

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.267	1.278
Avg. Vol. Expon. (N)		1.268	1.281
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.979	0.959
Z Discharge		0.979	0.960
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	200.00	
Inlet Press. @ Cyl Flg	PSIG	198.03	385.54
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	400.58	604.34
Disch. Line Pressure	PSIG		600.00
Ratio of Compression		1.952	1.547
Adiabatic Disch. Temp.	F	207.69	177.72
Est Actual Disch Temp	F	226.05	190.85
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	289.7	150.4
CAPACITY ACTUAL WET	MMSCFD	5.52	5.50
CAPACITY ACTUAL DRY	MMSCFD	5.48	5.48
TOTAL COMPRESSOR POWER	HP	406.46	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	238.7	153.1
Capacity Wet/ Cylinder	MMSCFD	5.52	5.50
HE Disch. Vol. Eff.	%	27.94	63.63
CE Disch. Vol. Eff.	%	50.35	63.22
HE Inlet Vol. Eff.	%	47.36	89.43
CE Inlet Vol. Eff.	%	85.34	88.86
Avg. Inlet Vol. Eff.	%	66.35	89.14
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	17261	5982
Internal Gas Load - C	LBF	-18929	-9726
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15757	25033
Combined Rod Load - C	LBF	-21367	-22435
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

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COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.267	1.279
Avg. Vol. Expon. (N)		1.269	1.282
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.978	0.958
Z Discharge		0.978	0.959
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	210.00	
Inlet Press. @ Cyl Flg	PSIG	207.94	401.97
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	417.64	604.34
Disch. Line Pressure	PSIG		600.00
Ratio of Compression		1.942	1.486
Adiabatic Disch. Temp.	F	207.10	172.35
Est Actual Disch Temp	F	225.29	185.41
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	291.3	152.0
CAPACITY ACTUAL WET	MMSCFD	5.82	5.80
CAPACITY ACTUAL DRY	MMSCFD	5.77	5.77
TOTAL COMPRESSOR POWER	HP	412.04	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	249.3	148.2
Capacity Wet/ Cylinder	MMSCFD	5.82	5.80
HE Disch. Vol. Eff.	%	28.40	66.32
CE Disch. Vol. Eff.	%	50.66	65.95
HE Inlet Vol. Eff.	%	47.92	90.31
CE Inlet Vol. Eff.	%	85.48	89.80
Avg. Inlet Vol. Eff.	%	66.70	90.06
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	17933	5524
Internal Gas Load - C	LBF	-19605	-9319
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15215	25470
Combined Rod Load - C	LBF	-21491	-22683
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	170.0	160.0

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AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.268	1.281
Avg. Vol. Expon. (N)		1.269	1.283
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.977	0.956
Z Discharge		0.977	0.957
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	220.00	
Inlet Press. @ Cyl Flg	PSIG	217.85	418.39
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	434.67	604.34
Disch. Line Pressure	PSIG		600.00
Ratio of Compression		1.932	1.429
Adiabatic Disch. Temp.	F	206.55	167.19
Est Actual Disch Temp	F	224.58	180.19
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	292.7	153.4
CAPACITY ACTUAL WET	MMSCFD	6.11	6.09
CAPACITY ACTUAL DRY	MMSCFD	6.07	6.07
TOTAL COMPRESSOR POWER	HP	416.94	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	259.8	142.6
Capacity Wet/ Cylinder	MMSCFD	6.11	6.09
HE Disch. Vol. Eff.	%	28.82	68.99
CE Disch. Vol. Eff.	%	50.95	68.65
HE Inlet Vol. Eff.	%	48.43	91.14
CE Inlet Vol. Eff.	%	85.61	90.69
Avg. Inlet Vol. Eff.	%	67.02	90.91
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	18544	5065
Internal Gas Load - C	LBF	-20280	-8911
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14676	25906
Combined Rod Load - C	LBF	-21616	-22787
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	170.0	160.0

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AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.268	1.282
Avg. Vol. Expon. (N)		1.270	1.285
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.976	0.954
Z Discharge		0.976	0.955
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	230.00	
Inlet Press. @ Cyl Flg	PSIG	227.76	434.70
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	451.60	604.34
Disch. Line Pressure	PSIG		600.00
Ratio of Compression		1.923	1.377
Adiabatic Disch. Temp.	F	206.03	162.27
Est Actual Disch Temp	F	223.91	175.18
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	294.1	154.7
CAPACITY ACTUAL WET	MMSCFD	6.41	6.39
CAPACITY ACTUAL DRY	MMSCFD	6.36	6.36
TOTAL COMPRESSOR POWER	HP	421.19	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	270.2	136.4
Capacity Wet/ Cylinder	MMSCFD	6.41	6.39
HE Disch. Vol. Eff.	%	29.23	71.63
CE Disch. Vol. Eff.	%	51.23	71.32
HE Inlet Vol. Eff.	%	48.93	91.91
CE Inlet Vol. Eff.	%	85.74	91.51
Avg. Inlet Vol. Eff.	%	67.33	91.71
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	19147	4608
Internal Gas Load - C	LBF	-20946	-8503
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14699	26159
Combined Rod Load - C	LBF	-21740	-23035
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	155.0

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AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.269	1.283
Avg. Vol. Expon. (N)		1.271	1.286
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.975	0.953
Z Discharge		0.975	0.953
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	240.00	
Inlet Press. @ Cyl Flg	PSIG	237.66	451.09
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	468.60	604.34
Disch. Line Pressure	PSIG		600.00
Ratio of Compression		1.915	1.329
Adiabatic Disch. Temp.	F	205.57	157.52
Est Actual Disch Temp	F	223.30	170.30
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	295.4	156.0
CAPACITY ACTUAL WET	MMSCFD	6.71	6.69
CAPACITY ACTUAL DRY	MMSCFD	6.66	6.66
TOTAL COMPRESSOR POWER	HP	424.80	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	280.7	129.5
Capacity Wet/ Cylinder	MMSCFD	6.71	6.69
HE Disch. Vol. Eff.	%	29.61	74.25
CE Disch. Vol. Eff.	%	51.48	73.97
HE Inlet Vol. Eff.	%	49.37	92.64
CE Inlet Vol. Eff.	%	85.85	92.29
Avg. Inlet Vol. Eff.	%	67.61	92.46
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	19757	4146
Internal Gas Load - C	LBF	-21710	-8091
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15486	26434
Combined Rod Load - C	LBF	-21865	-23126
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

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COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.269	1.284
Avg. Vol. Expon. (N)		1.271	1.287
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.974	0.951
Z Discharge		0.974	0.952
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	250.00	
Inlet Press. @ Cyl Flg	PSIG	247.57	467.42
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	485.54	604.34
Disch. Line Pressure	PSIG		600.00
Ratio of Compression		1.907	1.284
Adiabatic Disch. Temp.	F	205.13	152.95
Est Actual Disch Temp	F	222.73	165.59
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	296.6	157.2
CAPACITY ACTUAL WET	MMSCFD	7.01	6.99
CAPACITY ACTUAL DRY	MMSCFD	6.96	6.96
TOTAL COMPRESSOR POWER	HP	427.78	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	291.1	122.1
Capacity Wet/ Cylinder	MMSCFD	7.01	6.99
HE Disch. Vol. Eff.	%	29.97	76.84
CE Disch. Vol. Eff.	%	51.73	76.60
HE Inlet Vol. Eff.	%	49.80	93.32
CE Inlet Vol. Eff.	%	85.96	93.02
Avg. Inlet Vol. Eff.	%	67.88	93.17
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	20361	3683
Internal Gas Load - C	LBF	-22575	-7677
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16276	26857
Combined Rod Load - C	LBF	-21990	-23217
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	170.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.270	1.285
Avg. Vol. Expon. (N)		1.272	1.288
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.973	0.950
Z Discharge		0.973	0.950
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	260.00	
Inlet Press. @ Cyl Flg	PSIG	257.48	483.57
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	502.30	604.34
Disch. Line Pressure	PSIG		600.00
Ratio of Compression		1.899	1.242
Adiabatic Disch. Temp.	F	204.69	148.59
Est Actual Disch Temp	F	222.15	161.06
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	297.8	158.3
CAPACITY ACTUAL WET	MMSCFD	7.31	7.28
CAPACITY ACTUAL DRY	MMSCFD	7.26	7.26
TOTAL COMPRESSOR POWER	HP	430.16	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	301.5	114.1
Capacity Wet/ Cylinder	MMSCFD	7.31	7.28
HE Disch. Vol. Eff.	%	30.33	79.39
CE Disch. Vol. Eff.	%	51.98	79.17
HE Inlet Vol. Eff.	%	50.23	93.97
CE Inlet Vol. Eff.	%	86.07	93.71
Avg. Inlet Vol. Eff.	%	68.15	93.84
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	20952	3221
Internal Gas Load - C	LBF	-23442	-7264
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17075	27134
Combined Rod Load - C	LBF	-22114	-23381
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.270	1.286
Avg. Vol. Expon. (N)		1.273	1.289
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.972	0.948
Z Discharge		0.972	0.948
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	270.00	
Inlet Press. @ Cyl Flg	PSIG	267.39	499.89
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	519.23	604.34
Disch. Line Pressure	PSIG		600.00
Ratio of Compression		1.893	1.203
Adiabatic Disch. Temp.	F	204.33	144.33
Est Actual Disch Temp	F	221.66	156.58
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	298.8	159.4
CAPACITY ACTUAL WET	MMSCFD	7.61	7.59
CAPACITY ACTUAL DRY	MMSCFD	7.56	7.56
TOTAL COMPRESSOR POWER	HP	431.88	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	311.9	105.4
Capacity Wet/ Cylinder	MMSCFD	7.61	7.59
HE Disch. Vol. Eff.	%	30.65	81.95
CE Disch. Vol. Eff.	%	52.20	81.76
HE Inlet Vol. Eff.	%	50.60	94.59
CE Inlet Vol. Eff.	%	86.17	94.37
Avg. Inlet Vol. Eff.	%	68.39	94.48
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	21558	2750
Internal Gas Load - C	LBF	-24185	-6841
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17870	27179
Combined Rod Load - C	LBF	-22239	-23461
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.271	1.287
Avg. Vol. Expon. (N)		1.274	1.290
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.970	0.946
Z Discharge		0.972	0.947
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	280.00	
Inlet Press. @ Cyl Flg	PSIG	277.30	516.12
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	536.08	604.34
Disch. Line Pressure	PSIG		600.00
Ratio of Compression		1.886	1.166
Adiabatic Disch. Temp.	F	203.97	140.23
Est Actual Disch Temp	F	221.18	152.22
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	299.9	160.4
CAPACITY ACTUAL WET	MMSCFD	7.91	7.89
CAPACITY ACTUAL DRY	MMSCFD	7.86	7.86
TOTAL COMPRESSOR POWER	HP	432.98	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	322.3	96.1
Capacity Wet/ Cylinder	MMSCFD	7.91	7.89
HE Disch. Vol. Eff.	%	30.97	84.48
CE Disch. Vol. Eff.	%	52.41	84.33
HE Inlet Vol. Eff.	%	50.97	95.18
CE Inlet Vol. Eff.	%	86.26	95.00
Avg. Inlet Vol. Eff.	%	68.62	95.09
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	22223	2277
Internal Gas Load - C	LBF	-24863	-6413
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	18670	27592
Combined Rod Load - C	LBF	-22365	-23575
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.271	1.288
Avg. Vol. Expon. (N)		1.274	1.291
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.969	0.945
Z Discharge		0.971	0.945
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	290.00	
Inlet Press. @ Cyl Flg	PSIG	287.21	532.25
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	552.81	604.34
Disch. Line Pressure	PSIG		600.00
Ratio of Compression		1.880	1.132
Adiabatic Disch. Temp.	F	203.61	136.28
Est Actual Disch Temp	F	220.70	147.96
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	300.9	161.4
CAPACITY ACTUAL WET	MMSCFD	8.21	8.19
CAPACITY ACTUAL DRY	MMSCFD	8.17	8.17
TOTAL COMPRESSOR POWER	HP	433.44	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	332.6	86.2
Capacity Wet/ Cylinder	MMSCFD	8.21	8.19
HE Disch. Vol. Eff.	%	31.28	86.99
CE Disch. Vol. Eff.	%	52.63	86.86
HE Inlet Vol. Eff.	%	51.33	95.74
CE Inlet Vol. Eff.	%	86.36	95.60
Avg. Inlet Vol. Eff.	%	68.84	95.67
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	22899	1799
Internal Gas Load - C	LBF	-25531	-5980
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	19476	27839
Combined Rod Load - C	LBF	-22490	-23646
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	155.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.272	1.289
Avg. Vol. Expon. (N)		1.275	1.292
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.968	0.943
Z Discharge		0.970	0.943
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	300.00	
Inlet Press. @ Cyl Flg	PSIG	297.11	548.38
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	569.55	604.34
Disch. Line Pressure	PSIG		600.00
Ratio of Compression		1.874	1.099
Adiabatic Disch. Temp.	F	203.29	132.45
Est Actual Disch Temp	F	220.26	143.74
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	301.8	162.4
CAPACITY ACTUAL WET	MMSCFD	8.52	8.50
CAPACITY ACTUAL DRY	MMSCFD	8.47	8.47
TOTAL COMPRESSOR POWER	HP	433.19	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	343.0	75.6
Capacity Wet/ Cylinder	MMSCFD	8.52	8.50
HE Disch. Vol. Eff.	%	31.58	89.48
CE Disch. Vol. Eff.	%	52.83	89.38
HE Inlet Vol. Eff.	%	51.67	96.29
CE Inlet Vol. Eff.	%	86.44	96.18
Avg. Inlet Vol. Eff.	%	69.06	96.24
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	23573	1311
Internal Gas Load - C	LBF	-26201	-5535
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	20285	27857
Combined Rod Load - C	LBF	-22615	-23717
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.267	1.278
Avg. Vol. Expon. (N)		1.268	1.282
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.979	0.959
Z Discharge		0.979	0.960
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	200.00	
Inlet Press. @ Cyl Flg	PSIG	198.03	386.28
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	401.36	614.41
Disch. Line Pressure	PSIG		610.00
Ratio of Compression		1.956	1.569
Adiabatic Disch. Temp.	F	207.95	179.68
Est Actual Disch Temp	F	226.32	192.82
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	289.2	149.9
CAPACITY ACTUAL WET	MMSCFD	5.51	5.49
CAPACITY ACTUAL DRY	MMSCFD	5.47	5.47
TOTAL COMPRESSOR POWER	HP	410.72	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	238.9	157.2
Capacity Wet/ Cylinder	MMSCFD	5.51	5.49
HE Disch. Vol. Eff.	%	27.80	62.71
CE Disch. Vol. Eff.	%	50.25	62.29
HE Inlet Vol. Eff.	%	47.18	89.11
CE Inlet Vol. Eff.	%	85.29	88.52
Avg. Inlet Vol. Eff.	%	66.24	88.82
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	17294	6238
Internal Gas Load - C	LBF	-18995	-10027
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15702	24914
Combined Rod Load - C	LBF	-21367	-22349
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.267	1.279
Avg. Vol. Expon. (N)		1.269	1.283
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.978	0.958
Z Discharge		0.978	0.959
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	210.00	
Inlet Press. @ Cyl Flg	PSIG	207.94	402.71
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	418.40	614.41
Disch. Line Pressure	PSIG		610.00
Ratio of Compression		1.945	1.507
Adiabatic Disch. Temp.	F	207.34	174.31
Est Actual Disch Temp	F	225.54	187.40
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	290.8	151.4
CAPACITY ACTUAL WET	MMSCFD	5.81	5.79
CAPACITY ACTUAL DRY	MMSCFD	5.76	5.76
TOTAL COMPRESSOR POWER	HP	416.55	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	249.5	152.5
Capacity Wet/ Cylinder	MMSCFD	5.81	5.79
HE Disch. Vol. Eff.	%	28.26	65.37
CE Disch. Vol. Eff.	%	50.56	64.98
HE Inlet Vol. Eff.	%	47.75	90.00
CE Inlet Vol. Eff.	%	85.44	89.47
Avg. Inlet Vol. Eff.	%	66.59	89.74
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	17993	5780
Internal Gas Load - C	LBF	-19670	-9620
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15161	25288
Combined Rod Load - C	LBF	-21491	-22688
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	170.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.268	1.280
Avg. Vol. Expon. (N)		1.269	1.284
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.977	0.956
Z Discharge		0.977	0.957
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	220.00	
Inlet Press. @ Cyl Flg	PSIG	217.85	419.12
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	435.43	614.41
Disch. Line Pressure	PSIG		610.00
Ratio of Compression		1.936	1.450
Adiabatic Disch. Temp.	F	206.78	169.16
Est Actual Disch Temp	F	224.82	182.19
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	292.3	152.9
CAPACITY ACTUAL WET	MMSCFD	6.10	6.08
CAPACITY ACTUAL DRY	MMSCFD	6.06	6.06
TOTAL COMPRESSOR POWER	HP	421.70	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	260.0	147.1
Capacity Wet/ Cylinder	MMSCFD	6.10	6.08
HE Disch. Vol. Eff.	%	28.69	68.00
CE Disch. Vol. Eff.	%	50.86	67.65
HE Inlet Vol. Eff.	%	48.27	90.83
CE Inlet Vol. Eff.	%	85.57	90.36
Avg. Inlet Vol. Eff.	%	66.92	90.60
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	18603	5322
Internal Gas Load - C	LBF	-20344	-9213
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14622	25724
Combined Rod Load - C	LBF	-21616	-22793
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	170.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.268	1.282
Avg. Vol. Expon. (N)		1.270	1.285
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.976	0.954
Z Discharge		0.976	0.955
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	230.00	
Inlet Press. @ Cyl Flg	PSIG	227.76	435.49
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	452.41	614.41
Disch. Line Pressure	PSIG		610.00
Ratio of Compression		1.927	1.397
Adiabatic Disch. Temp.	F	206.27	164.23
Est Actual Disch Temp	F	224.15	177.17
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	293.7	154.2
CAPACITY ACTUAL WET	MMSCFD	6.40	6.38
CAPACITY ACTUAL DRY	MMSCFD	6.35	6.35
TOTAL COMPRESSOR POWER	HP	426.20	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	270.4	141.1
Capacity Wet/ Cylinder	MMSCFD	6.40	6.38
HE Disch. Vol. Eff.	%	29.09	70.60
CE Disch. Vol. Eff.	%	51.14	70.28
HE Inlet Vol. Eff.	%	48.76	91.61
CE Inlet Vol. Eff.	%	85.70	91.20
Avg. Inlet Vol. Eff.	%	67.23	91.40
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	19210	4864
Internal Gas Load - C	LBF	-21015	-8804
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14670	26159
Combined Rod Load - C	LBF	-21740	-22939
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.269	1.283
Avg. Vol. Expon. (N)		1.271	1.286
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.975	0.953
Z Discharge		0.975	0.953
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	240.00	
Inlet Press. @ Cyl Flg	PSIG	237.66	451.87
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	469.41	614.41
Disch. Line Pressure	PSIG		610.00
Ratio of Compression		1.918	1.348
Adiabatic Disch. Temp.	F	205.80	159.48
Est Actual Disch Temp	F	223.54	172.32
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	295.0	155.5
CAPACITY ACTUAL WET	MMSCFD	6.70	6.68
CAPACITY ACTUAL DRY	MMSCFD	6.65	6.65
TOTAL COMPRESSOR POWER	HP	430.07	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	280.9	134.5
Capacity Wet/ Cylinder	MMSCFD	6.70	6.68
HE Disch. Vol. Eff.	%	29.47	73.19
CE Disch. Vol. Eff.	%	51.39	72.90
HE Inlet Vol. Eff.	%	49.21	92.35
CE Inlet Vol. Eff.	%	85.82	91.98
Avg. Inlet Vol. Eff.	%	67.51	92.16
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	19819	4403
Internal Gas Load - C	LBF	-21710	-8394
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15456	26229
Combined Rod Load - C	LBF	-21865	-23131
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	155.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.269	1.284
Avg. Vol. Expon. (N)		1.271	1.287
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.974	0.951
Z Discharge		0.974	0.952
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	250.00	
Inlet Press. @ Cyl Flg	PSIG	247.57	468.19
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	486.34	614.41
Disch. Line Pressure	PSIG		610.00
Ratio of Compression		1.910	1.303
Adiabatic Disch. Temp.	F	205.36	154.91
Est Actual Disch Temp	F	222.96	167.62
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	296.2	156.7
CAPACITY ACTUAL WET	MMSCFD	7.00	6.98
CAPACITY ACTUAL DRY	MMSCFD	6.95	6.95
TOTAL COMPRESSOR POWER	HP	433.31	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	291.4	127.3
Capacity Wet/ Cylinder	MMSCFD	7.00	6.98
HE Disch. Vol. Eff.	%	29.84	75.75
CE Disch. Vol. Eff.	%	51.64	75.49
HE Inlet Vol. Eff.	%	49.65	93.04
CE Inlet Vol. Eff.	%	85.93	92.72
Avg. Inlet Vol. Eff.	%	67.79	92.88
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	20424	3941
Internal Gas Load - C	LBF	-22576	-7981
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16247	26652
Combined Rod Load - C	LBF	-21990	-23222
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.270	1.285
Avg. Vol. Expon. (N)		1.272	1.288
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.973	0.949
Z Discharge		0.973	0.950
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	260.00	
Inlet Press. @ Cyl Flg	PSIG	257.48	484.36
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	503.12	614.41
Disch. Line Pressure	PSIG		610.00
Ratio of Compression		1.902	1.261
Adiabatic Disch. Temp.	F	204.91	150.54
Est Actual Disch Temp	F	222.38	163.10
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	297.4	157.8
CAPACITY ACTUAL WET	MMSCFD	7.30	7.27
CAPACITY ACTUAL DRY	MMSCFD	7.25	7.25
TOTAL COMPRESSOR POWER	HP	435.97	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	301.7	119.6
Capacity Wet/ Cylinder	MMSCFD	7.30	7.27
HE Disch. Vol. Eff.	%	30.21	78.27
CE Disch. Vol. Eff.	%	51.89	78.04
HE Inlet Vol. Eff.	%	50.08	93.69
CE Inlet Vol. Eff.	%	86.04	93.41
Avg. Inlet Vol. Eff.	%	68.06	93.55
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	21016	3481
Internal Gas Load - C	LBF	-23443	-7569
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17045	27072
Combined Rod Load - C	LBF	-22115	-23386
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.270	1.286
Avg. Vol. Expon. (N)		1.273	1.289
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.972	0.948
Z Discharge		0.972	0.948
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	270.00	
Inlet Press. @ Cyl Flg	PSIG	267.39	500.69
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	520.07	614.41
Disch. Line Pressure	PSIG		610.00
Ratio of Compression		1.896	1.221
Adiabatic Disch. Temp.	F	204.54	146.28
Est Actual Disch Temp	F	221.88	158.64
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	298.4	158.9
CAPACITY ACTUAL WET	MMSCFD	7.60	7.58
CAPACITY ACTUAL DRY	MMSCFD	7.55	7.55
TOTAL COMPRESSOR POWER	HP	437.97	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	312.2	111.2
Capacity Wet/ Cylinder	MMSCFD	7.60	7.58
HE Disch. Vol. Eff.	%	30.53	80.80
CE Disch. Vol. Eff.	%	52.11	80.59
HE Inlet Vol. Eff.	%	50.46	94.31
CE Inlet Vol. Eff.	%	86.13	94.08
Avg. Inlet Vol. Eff.	%	68.30	94.20
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	21622	3012
Internal Gas Load - C	LBF	-24256	-7149
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17840	27093
Combined Rod Load - C	LBF	-22240	-23466
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.271	1.287
Avg. Vol. Expon. (N)		1.274	1.290
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.970	0.946
Z Discharge		0.972	0.946
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	280.00	
Inlet Press. @ Cyl Flg	PSIG	277.30	516.80
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	536.78	614.41
Disch. Line Pressure	PSIG		610.00
Ratio of Compression		1.889	1.184
Adiabatic Disch. Temp.	F	204.15	142.21
Est Actual Disch Temp	F	221.36	154.34
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	299.5	159.9
CAPACITY ACTUAL WET	MMSCFD	7.90	7.88
CAPACITY ACTUAL DRY	MMSCFD	7.85	7.85
TOTAL COMPRESSOR POWER	HP	439.40	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	322.5	102.2
Capacity Wet/ Cylinder	MMSCFD	7.90	7.88
HE Disch. Vol. Eff.	%	30.86	83.27
CE Disch. Vol. Eff.	%	52.34	83.10
HE Inlet Vol. Eff.	%	50.85	94.90
CE Inlet Vol. Eff.	%	86.23	94.71
Avg. Inlet Vol. Eff.	%	68.54	94.80
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	22252	2545
Internal Gas Load - C	LBF	-24923	-6728
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	18644	27361
Combined Rod Load - C	LBF	-22365	-23545
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.271	1.288
Avg. Vol. Expon. (N)		1.274	1.291
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.969	0.945
Z Discharge		0.971	0.945
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	290.00	
Inlet Press. @ Cyl Flg	PSIG	287.21	533.11
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	553.70	614.41
Disch. Line Pressure	PSIG		610.00
Ratio of Compression		1.883	1.148
Adiabatic Disch. Temp.	F	203.83	138.22
Est Actual Disch Temp	F	220.93	150.06
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	300.5	160.9
CAPACITY ACTUAL WET	MMSCFD	8.20	8.18
CAPACITY ACTUAL DRY	MMSCFD	8.16	8.16
TOTAL COMPRESSOR POWER	HP	440.15	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	333.0	92.6
Capacity Wet/ Cylinder	MMSCFD	8.20	8.18
HE Disch. Vol. Eff.	%	31.15	85.77
CE Disch. Vol. Eff.	%	52.54	85.62
HE Inlet Vol. Eff.	%	51.18	95.47
CE Inlet Vol. Eff.	%	86.32	95.31
Avg. Inlet Vol. Eff.	%	68.75	95.39
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	22936	2065
Internal Gas Load - C	LBF	-25608	-6294
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	19444	27776
Combined Rod Load - C	LBF	-22490	-23650
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	155.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.272	1.289
Avg. Vol. Expon. (N)		1.275	1.292
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.968	0.943
Z Discharge		0.970	0.943
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	300.00	
Inlet Press. @ Cyl Flg	PSIG	297.11	549.26
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	570.46	614.41
Disch. Line Pressure	PSIG		610.00
Ratio of Compression		1.877	1.116
Adiabatic Disch. Temp.	F	203.51	134.39
Est Actual Disch Temp	F	220.49	145.89
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	301.4	161.9
CAPACITY ACTUAL WET	MMSCFD	8.51	8.49
CAPACITY ACTUAL DRY	MMSCFD	8.46	8.46
TOTAL COMPRESSOR POWER	HP	440.26	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	343.3	82.3
Capacity Wet/ Cylinder	MMSCFD	8.51	8.49
HE Disch. Vol. Eff.	%	31.45	88.23
CE Disch. Vol. Eff.	%	52.74	88.11
HE Inlet Vol. Eff.	%	51.53	96.02
CE Inlet Vol. Eff.	%	86.41	95.90
Avg. Inlet Vol. Eff.	%	68.97	95.96
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	23614	1582
Internal Gas Load - C	LBF	-26279	-5855
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	20251	27790
Combined Rod Load - C	LBF	-22615	-23721
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	155.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.267	1.278
Avg. Vol. Expon. (N)		1.268	1.282
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.979	0.959
Z Discharge		0.979	0.960
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	200.00	
Inlet Press. @ Cyl Flg	PSIG	198.03	387.02
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	402.13	624.48
Disch. Line Pressure	PSIG		620.00
Ratio of Compression		1.959	1.591
Adiabatic Disch. Temp.	F	208.20	181.62
Est Actual Disch Temp	F	226.58	194.77
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	288.7	149.3
CAPACITY ACTUAL WET	MMSCFD	5.50	5.48
CAPACITY ACTUAL DRY	MMSCFD	5.46	5.46
TOTAL COMPRESSOR POWER	HP	414.90	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	239.1	161.1
Capacity Wet/ Cylinder	MMSCFD	5.50	5.48
HE Disch. Vol. Eff.	%	27.65	61.81
CE Disch. Vol. Eff.	%	50.15	61.38
HE Inlet Vol. Eff.	%	47.00	88.80
CE Inlet Vol. Eff.	%	85.25	88.19
Avg. Inlet Vol. Eff.	%	66.13	88.50
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	17327	6493
Internal Gas Load - C	LBF	-19061	-10327
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15648	24765
Combined Rod Load - C	LBF	-21367	-22355
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.267	1.279
Avg. Vol. Expon. (N)		1.269	1.283
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.978	0.958
Z Discharge		0.978	0.959
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	210.00	
Inlet Press. @ Cyl Flg	PSIG	207.94	403.50
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	419.22	624.48
Disch. Line Pressure	PSIG		620.00
Ratio of Compression		1.949	1.528
Adiabatic Disch. Temp.	F	207.60	176.23
Est Actual Disch Temp	F	225.81	189.34
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	290.3	150.9
CAPACITY ACTUAL WET	MMSCFD	5.80	5.78
CAPACITY ACTUAL DRY	MMSCFD	5.75	5.75
TOTAL COMPRESSOR POWER	HP	420.97	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	249.7	156.7
Capacity Wet/ Cylinder	MMSCFD	5.80	5.78
HE Disch. Vol. Eff.	%	28.11	64.44
CE Disch. Vol. Eff.	%	50.46	64.05
HE Inlet Vol. Eff.	%	47.56	89.70
CE Inlet Vol. Eff.	%	85.39	89.15
Avg. Inlet Vol. Eff.	%	66.48	89.43
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	18033	6035
Internal Gas Load - C	LBF	-19740	-9919
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15103	25108
Combined Rod Load - C	LBF	-21491	-22674
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	170.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.268	1.280
Avg. Vol. Expon. (N)		1.269	1.284
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.977	0.956
Z Discharge		0.977	0.957
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	220.00	
Inlet Press. @ Cyl Flg	PSIG	217.85	419.84
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	436.17	624.48
Disch. Line Pressure	PSIG		620.00
Ratio of Compression		1.939	1.471
Adiabatic Disch. Temp.	F	207.01	171.11
Est Actual Disch Temp	F	225.06	184.16
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	291.9	152.3
CAPACITY ACTUAL WET	MMSCFD	6.09	6.07
CAPACITY ACTUAL DRY	MMSCFD	6.05	6.05
TOTAL COMPRESSOR POWER	HP	426.36	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	260.2	151.6
Capacity Wet/ Cylinder	MMSCFD	6.09	6.07
HE Disch. Vol. Eff.	%	28.56	67.03
CE Disch. Vol. Eff.	%	50.77	66.67
HE Inlet Vol. Eff.	%	48.11	90.54
CE Inlet Vol. Eff.	%	85.53	90.04
Avg. Inlet Vol. Eff.	%	66.82	90.29
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	18661	5579
Internal Gas Load - C	LBF	-20407	-9514
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14569	25542
Combined Rod Load - C	LBF	-21616	-22798
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	170.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.268	1.281
Avg. Vol. Expon. (N)		1.270	1.285
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.976	0.954
Z Discharge		0.976	0.955
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	230.00	
Inlet Press. @ Cyl Flg	PSIG	227.76	436.26
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	453.22	624.48
Disch. Line Pressure	PSIG		620.00
Ratio of Compression		1.930	1.417
Adiabatic Disch. Temp.	F	206.50	166.16
Est Actual Disch Temp	F	224.40	179.14
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	293.2	153.7
CAPACITY ACTUAL WET	MMSCFD	6.39	6.37
CAPACITY ACTUAL DRY	MMSCFD	6.34	6.34
TOTAL COMPRESSOR POWER	HP	431.11	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	270.7	145.8
Capacity Wet/ Cylinder	MMSCFD	6.39	6.37
HE Disch. Vol. Eff.	%	28.96	69.61
CE Disch. Vol. Eff.	%	51.04	69.28
HE Inlet Vol. Eff.	%	48.60	91.32
CE Inlet Vol. Eff.	%	85.66	90.89
Avg. Inlet Vol. Eff.	%	67.13	91.10
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	19273	5120
Internal Gas Load - C	LBF	-21083	-9106
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14640	25979
Combined Rod Load - C	LBF	-21740	-22902
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.269	1.283
Avg. Vol. Expon. (N)		1.271	1.286
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.975	0.953
Z Discharge		0.975	0.953
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	240.00	
Inlet Press. @ Cyl Flg	PSIG	237.66	452.64
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	470.21	624.48
Disch. Line Pressure	PSIG		620.00
Ratio of Compression		1.921	1.368
Adiabatic Disch. Temp.	F	206.03	161.41
Est Actual Disch Temp	F	223.78	174.29
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	294.5	155.0
CAPACITY ACTUAL WET	MMSCFD	6.69	6.67
CAPACITY ACTUAL DRY	MMSCFD	6.64	6.64
TOTAL COMPRESSOR POWER	HP	435.23	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	281.2	139.5
Capacity Wet/ Cylinder	MMSCFD	6.69	6.67
HE Disch. Vol. Eff.	%	29.34	72.16
CE Disch. Vol. Eff.	%	51.30	71.86
HE Inlet Vol. Eff.	%	49.06	92.06
CE Inlet Vol. Eff.	%	85.78	91.68
Avg. Inlet Vol. Eff.	%	67.42	91.87
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	19881	4660
Internal Gas Load - C	LBF	-21756	-8696
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15427	26130
Combined Rod Load - C	LBF	-21865	-23136
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.269	1.284
Avg. Vol. Expon. (N)		1.271	1.287
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.974	0.951
Z Discharge		0.974	0.952
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	250.00	
Inlet Press. @ Cyl Flg	PSIG	247.57	468.96
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	487.14	624.48
Disch. Line Pressure	PSIG		620.00
Ratio of Compression		1.913	1.322
Adiabatic Disch. Temp.	F	205.58	156.84
Est Actual Disch Temp	F	223.19	169.62
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	295.8	156.2
CAPACITY ACTUAL WET	MMSCFD	6.99	6.97
CAPACITY ACTUAL DRY	MMSCFD	6.94	6.94
TOTAL COMPRESSOR POWER	HP	438.73	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	291.6	132.5
Capacity Wet/ Cylinder	MMSCFD	6.99	6.97
HE Disch. Vol. Eff.	%	29.71	74.69
CE Disch. Vol. Eff.	%	51.56	74.42
HE Inlet Vol. Eff.	%	49.50	92.76
CE Inlet Vol. Eff.	%	85.89	92.42
Avg. Inlet Vol. Eff.	%	67.69	92.59
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	20485	4200
Internal Gas Load - C	LBF	-22576	-8285
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16218	26447
Combined Rod Load - C	LBF	-21990	-23227
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.270	1.285
Avg. Vol. Expon. (N)		1.272	1.288
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.973	0.949
Z Discharge		0.973	0.950
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	260.00	
Inlet Press. @ Cyl Flg	PSIG	257.48	485.15
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	503.94	624.48
Disch. Line Pressure	PSIG		620.00
Ratio of Compression		1.906	1.279
Adiabatic Disch. Temp.	F	205.13	152.47
Est Actual Disch Temp	F	222.60	165.11
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	297.0	157.4
CAPACITY ACTUAL WET	MMSCFD	7.29	7.26
CAPACITY ACTUAL DRY	MMSCFD	7.24	7.24
TOTAL COMPRESSOR POWER	HP	441.65	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	302.0	125.0
Capacity Wet/ Cylinder	MMSCFD	7.29	7.26
HE Disch. Vol. Eff.	%	30.08	77.18
CE Disch. Vol. Eff.	%	51.81	76.93
HE Inlet Vol. Eff.	%	49.93	93.41
CE Inlet Vol. Eff.	%	86.00	93.12
Avg. Inlet Vol. Eff.	%	67.97	93.26
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	21080	3740
Internal Gas Load - C	LBF	-23443	-7874
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17016	26867
Combined Rod Load - C	LBF	-22115	-23317
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
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DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.270	1.286
Avg. Vol. Expon. (N)		1.273	1.289
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.972	0.948
Z Discharge		0.972	0.948
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	270.00	
Inlet Press. @ Cyl Flg	PSIG	267.39	501.47
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	520.88	624.48
Disch. Line Pressure	PSIG		620.00
Ratio of Compression		1.899	1.238
Adiabatic Disch. Temp.	F	204.75	148.21
Est Actual Disch Temp	F	222.10	160.67
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	298.0	158.4
CAPACITY ACTUAL WET	MMSCFD	7.59	7.57
CAPACITY ACTUAL DRY	MMSCFD	7.54	7.54
TOTAL COMPRESSOR POWER	HP	443.94	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	312.5	116.9
Capacity Wet/ Cylinder	MMSCFD	7.59	7.57
HE Disch. Vol. Eff.	%	30.41	79.67
CE Disch. Vol. Eff.	%	52.03	79.46
HE Inlet Vol. Eff.	%	50.32	94.04
CE Inlet Vol. Eff.	%	86.10	93.79
Avg. Inlet Vol. Eff.	%	68.21	93.91
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	21685	3273
Internal Gas Load - C	LBF	-24312	-7456
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17810	27092
Combined Rod Load - C	LBF	-22240	-23471
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.271	1.287
Avg. Vol. Expon. (N)		1.274	1.290
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.970	0.946
Z Discharge		0.972	0.946
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	280.00	
Inlet Press. @ Cyl Flg	PSIG	277.30	517.75
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	537.76	624.48
Disch. Line Pressure	PSIG		620.00
Ratio of Compression		1.892	1.200
Adiabatic Disch. Temp.	F	204.39	144.10
Est Actual Disch Temp	F	221.61	156.35
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	299.1	159.5
CAPACITY ACTUAL WET	MMSCFD	7.89	7.87
CAPACITY ACTUAL DRY	MMSCFD	7.85	7.84
TOTAL COMPRESSOR POWER	HP	445.63	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	322.9	108.1
Capacity Wet/ Cylinder	MMSCFD	7.89	7.87
HE Disch. Vol. Eff.	%	30.72	82.14
CE Disch. Vol. Eff.	%	52.25	81.95
HE Inlet Vol. Eff.	%	50.68	94.64
CE Inlet Vol. Eff.	%	86.19	94.42
Avg. Inlet Vol. Eff.	%	68.44	94.53
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	22292	2804
Internal Gas Load - C	LBF	-25006	-7034
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	18609	27137
Combined Rod Load - C	LBF	-22365	-23551
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.271	1.288
Avg. Vol. Expon. (N)		1.274	1.291
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.969	0.945
Z Discharge		0.971	0.945
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	290.00	
Inlet Press. @ Cyl Flg	PSIG	287.21	533.88
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	554.50	624.48
Disch. Line Pressure	PSIG		620.00
Ratio of Compression		1.885	1.165
Adiabatic Disch. Temp.	F	204.03	140.15
Est Actual Disch Temp	F	221.13	152.15
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	300.1	160.5
CAPACITY ACTUAL WET	MMSCFD	8.19	8.17
CAPACITY ACTUAL DRY	MMSCFD	8.15	8.15
TOTAL COMPRESSOR POWER	HP	446.72	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	333.2	98.9
Capacity Wet/ Cylinder	MMSCFD	8.19	8.17
HE Disch. Vol. Eff.	%	31.04	84.57
CE Disch. Vol. Eff.	%	52.46	84.42
HE Inlet Vol. Eff.	%	51.05	95.20
CE Inlet Vol. Eff.	%	86.29	95.03
Avg. Inlet Vol. Eff.	%	68.67	95.11
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	22969	2332
Internal Gas Load - C	LBF	-25676	-6609
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	19415	27548
Combined Rod Load - C	LBF	-22490	-23654
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.272	1.289
Avg. Vol. Expon. (N)		1.275	1.292
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.968	0.943
Z Discharge		0.970	0.943
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	300.00	
Inlet Press. @ Cyl Flg	PSIG	297.11	550.12
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	571.36	624.48
Disch. Line Pressure	PSIG		620.00
Ratio of Compression		1.880	1.132
Adiabatic Disch. Temp.	F	203.72	136.30
Est Actual Disch Temp	F	220.70	147.98
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	301.0	161.4
CAPACITY ACTUAL WET	MMSCFD	8.50	8.48
CAPACITY ACTUAL DRY	MMSCFD	8.45	8.45
TOTAL COMPRESSOR POWER	HP	447.15	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	343.6	88.9
Capacity Wet/ Cylinder	MMSCFD	8.50	8.48
HE Disch. Vol. Eff.	%	31.33	87.01
CE Disch. Vol. Eff.	%	52.66	86.88
HE Inlet Vol. Eff.	%	51.38	95.75
CE Inlet Vol. Eff.	%	86.37	95.61
Avg. Inlet Vol. Eff.	%	68.88	95.68
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	23651	1851
Internal Gas Load - C	LBF	-26355	-6172
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	20219	27788
Combined Rod Load - C	LBF	-22616	-23725
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	155.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.267	1.278
Avg. Vol. Expon. (N)		1.268	1.282
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.979	0.959
Z Discharge		0.979	0.960
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	200.00	
Inlet Press. @ Cyl Flg	PSIG	198.03	387.76
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	402.89	634.55
Disch. Line Pressure	PSIG		630.00
Ratio of Compression		1.963	1.613
Adiabatic Disch. Temp.	F	208.45	183.52
Est Actual Disch Temp	F	226.84	196.69
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	288.3	148.8
CAPACITY ACTUAL WET	MMSCFD	5.49	5.47
CAPACITY ACTUAL DRY	MMSCFD	5.45	5.45
TOTAL COMPRESSOR POWER	HP	419.00	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	239.3	165.1
Capacity Wet/ Cylinder	MMSCFD	5.49	5.47
HE Disch. Vol. Eff.	%	27.51	60.94
CE Disch. Vol. Eff.	%	50.05	60.50
HE Inlet Vol. Eff.	%	46.83	88.49
CE Inlet Vol. Eff.	%	85.21	87.86
Avg. Inlet Vol. Eff.	%	66.02	88.18
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	17359	6749
Internal Gas Load - C	LBF	-19126	-10627
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15594	24607
Combined Rod Load - C	LBF	-21367	-22361
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.267	1.279
Avg. Vol. Expon. (N)		1.269	1.283
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.978	0.958
Z Discharge		0.978	0.959
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	210.00	
Inlet Press. @ Cyl Flg	PSIG	207.94	404.17
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	419.91	634.55
Disch. Line Pressure	PSIG		630.00
Ratio of Compression		1.952	1.550
Adiabatic Disch. Temp.	F	207.82	178.16
Est Actual Disch Temp	F	226.04	191.29
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	289.9	150.4
CAPACITY ACTUAL WET	MMSCFD	5.79	5.77
CAPACITY ACTUAL DRY	MMSCFD	5.74	5.74
TOTAL COMPRESSOR POWER	HP	425.30	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	249.9	160.8
Capacity Wet/ Cylinder	MMSCFD	5.79	5.77
HE Disch. Vol. Eff.	%	27.98	63.53
CE Disch. Vol. Eff.	%	50.38	63.12
HE Inlet Vol. Eff.	%	47.41	89.40
CE Inlet Vol. Eff.	%	85.36	88.83
Avg. Inlet Vol. Eff.	%	66.38	89.11
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	18062	6293
Internal Gas Load - C	LBF	-19799	-10222
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15054	24925
Combined Rod Load - C	LBF	-21492	-22533
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	170.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
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DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.268	1.280
Avg. Vol. Expon. (N)		1.269	1.284
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.977	0.956
Z Discharge		0.977	0.957
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	220.00	
Inlet Press. @ Cyl Flg	PSIG	217.85	420.62
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	436.98	634.55
Disch. Line Pressure	PSIG		630.00
Ratio of Compression		1.942	1.491
Adiabatic Disch. Temp.	F	207.26	173.01
Est Actual Disch Temp	F	225.32	186.08
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	291.4	151.8
CAPACITY ACTUAL WET	MMSCFD	6.08	6.06
CAPACITY ACTUAL DRY	MMSCFD	6.04	6.04
TOTAL COMPRESSOR POWER	HP	430.94	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	260.4	155.9
Capacity Wet/ Cylinder	MMSCFD	6.08	6.06
HE Disch. Vol. Eff.	%	28.41	66.10
CE Disch. Vol. Eff.	%	50.67	65.73
HE Inlet Vol. Eff.	%	47.94	90.24
CE Inlet Vol. Eff.	%	85.49	89.73
Avg. Inlet Vol. Eff.	%	66.72	89.99
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	18724	5834
Internal Gas Load - C	LBF	-20476	-9815
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14513	25362
Combined Rod Load - C	LBF	-21616	-22804
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.268	1.281
Avg. Vol. Expon. (N)		1.270	1.285
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.976	0.954
Z Discharge		0.976	0.955
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	230.00	
Inlet Press. @ Cyl Flg	PSIG	227.76	437.03
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	454.02	634.55
Disch. Line Pressure	PSIG		630.00
Ratio of Compression		1.933	1.437
Adiabatic Disch. Temp.	F	206.74	168.06
Est Actual Disch Temp	F	224.64	181.07
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	292.8	153.2
CAPACITY ACTUAL WET	MMSCFD	6.38	6.36
CAPACITY ACTUAL DRY	MMSCFD	6.34	6.34
TOTAL COMPRESSOR POWER	HP	435.93	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	270.9	150.4
Capacity Wet/ Cylinder	MMSCFD	6.38	6.36
HE Disch. Vol. Eff.	%	28.82	68.65
CE Disch. Vol. Eff.	%	50.95	68.30
HE Inlet Vol. Eff.	%	48.43	91.03
CE Inlet Vol. Eff.	%	85.62	90.58
Avg. Inlet Vol. Eff.	%	67.03	90.81
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	19335	5376
Internal Gas Load - C	LBF	-21151	-9407
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14611	25799
Combined Rod Load - C	LBF	-21741	-22908
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.269	1.282
Avg. Vol. Expon. (N)		1.271	1.286
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.975	0.953
Z Discharge		0.975	0.953
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	240.00	
Inlet Press. @ Cyl Flg	PSIG	237.66	453.41
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	471.00	634.55
Disch. Line Pressure	PSIG		630.00
Ratio of Compression		1.925	1.387
Adiabatic Disch. Temp.	F	206.25	163.31
Est Actual Disch Temp	F	224.01	176.24
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	294.1	154.5
CAPACITY ACTUAL WET	MMSCFD	6.68	6.66
CAPACITY ACTUAL DRY	MMSCFD	6.63	6.63
TOTAL COMPRESSOR POWER	HP	440.29	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	281.4	144.3
Capacity Wet/ Cylinder	MMSCFD	6.68	6.66
HE Disch. Vol. Eff.	%	29.21	71.17
CE Disch. Vol. Eff.	%	51.22	70.85
HE Inlet Vol. Eff.	%	48.90	91.78
CE Inlet Vol. Eff.	%	85.74	91.37
Avg. Inlet Vol. Eff.	%	67.32	91.58
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	19943	4917
Internal Gas Load - C	LBF	-21823	-8998
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15398	26130
Combined Rod Load - C	LBF	-21865	-23128
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.269	1.284
Avg. Vol. Expon. (N)		1.271	1.287
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.974	0.951
Z Discharge		0.974	0.952
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	250.00	
Inlet Press. @ Cyl Flg	PSIG	247.57	469.72
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	487.93	634.55
Disch. Line Pressure	PSIG		630.00
Ratio of Compression		1.916	1.340
Adiabatic Disch. Temp.	F	205.79	158.75
Est Actual Disch Temp	F	223.41	171.58
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	295.3	155.7
CAPACITY ACTUAL WET	MMSCFD	6.98	6.95
CAPACITY ACTUAL DRY	MMSCFD	6.93	6.93
TOTAL COMPRESSOR POWER	HP	444.05	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	291.8	137.6
Capacity Wet/ Cylinder	MMSCFD	6.98	6.95
HE Disch. Vol. Eff.	%	29.59	73.66
CE Disch. Vol. Eff.	%	51.47	73.37
HE Inlet Vol. Eff.	%	49.35	92.48
CE Inlet Vol. Eff.	%	85.86	92.12
Avg. Inlet Vol. Eff.	%	67.60	92.30
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	20546	4458
Internal Gas Load - C	LBF	-22576	-8589
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16189	26242
Combined Rod Load - C	LBF	-21990	-23232
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	155.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.270	1.285
Avg. Vol. Expon. (N)		1.272	1.288
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.973	0.949
Z Discharge		0.973	0.950
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	260.00	
Inlet Press. @ Cyl Flg	PSIG	257.48	486.02
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	504.84	634.55
Disch. Line Pressure	PSIG		630.00
Ratio of Compression		1.909	1.297
Adiabatic Disch. Temp.	F	205.37	154.35
Est Actual Disch Temp	F	222.85	167.05
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	296.5	156.9
CAPACITY ACTUAL WET	MMSCFD	7.28	7.25
CAPACITY ACTUAL DRY	MMSCFD	7.23	7.23
TOTAL COMPRESSOR POWER	HP	447.21	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	302.3	130.3
Capacity Wet/ Cylinder	MMSCFD	7.28	7.25
HE Disch. Vol. Eff.	%	29.94	76.13
CE Disch. Vol. Eff.	%	51.71	75.88
HE Inlet Vol. Eff.	%	49.77	93.14
CE Inlet Vol. Eff.	%	85.96	92.83
Avg. Inlet Vol. Eff.	%	67.87	92.98
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	21150	3996
Internal Gas Load - C	LBF	-23444	-8176
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16983	26665
Combined Rod Load - C	LBF	-22115	-23323
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.270	1.286
Avg. Vol. Expon. (N)		1.273	1.289
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.972	0.948
Z Discharge		0.972	0.948
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	270.00	
Inlet Press. @ Cyl Flg	PSIG	267.39	502.24
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	521.68	634.55
Disch. Line Pressure	PSIG		630.00
Ratio of Compression		1.901	1.256
Adiabatic Disch. Temp.	F	204.96	150.11
Est Actual Disch Temp	F	222.31	162.66
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	297.7	158.0
CAPACITY ACTUAL WET	MMSCFD	7.58	7.55
CAPACITY ACTUAL DRY	MMSCFD	7.53	7.53
TOTAL COMPRESSOR POWER	HP	449.78	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	312.7	122.5
Capacity Wet/ Cylinder	MMSCFD	7.58	7.55
HE Disch. Vol. Eff.	%	30.28	78.58
CE Disch. Vol. Eff.	%	51.95	78.35
HE Inlet Vol. Eff.	%	50.17	93.77
CE Inlet Vol. Eff.	%	86.07	93.50
Avg. Inlet Vol. Eff.	%	68.12	93.63
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	21747	3534
Internal Gas Load - C	LBF	-24312	-7763
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17781	27086
Combined Rod Load - C	LBF	-22240	-23475
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
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DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.271	1.287
Avg. Vol. Expon. (N)		1.274	1.290
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.970	0.946
Z Discharge		0.972	0.946
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	280.00	
Inlet Press. @ Cyl Flg	PSIG	277.30	518.55
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	538.60	634.55
Disch. Line Pressure	PSIG		630.00
Ratio of Compression		1.895	1.218
Adiabatic Disch. Temp.	F	204.60	146.00
Est Actual Disch Temp	F	221.83	158.35
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	298.7	159.0
CAPACITY ACTUAL WET	MMSCFD	7.88	7.86
CAPACITY ACTUAL DRY	MMSCFD	7.83	7.83
TOTAL COMPRESSOR POWER	HP	451.74	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	323.1	114.0
Capacity Wet/ Cylinder	MMSCFD	7.88	7.86
HE Disch. Vol. Eff.	%	30.60	81.02
CE Disch. Vol. Eff.	%	52.16	80.82
HE Inlet Vol. Eff.	%	50.54	94.37
CE Inlet Vol. Eff.	%	86.16	94.14
Avg. Inlet Vol. Eff.	%	68.35	94.25
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	22351	3065
Internal Gas Load - C	LBF	-25078	-7342
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	18579	27051
Combined Rod Load - C	LBF	-22365	-23555
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.271	1.288
Avg. Vol. Expon. (N)		1.274	1.291
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.969	0.944
Z Discharge		0.971	0.945
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	290.00	
Inlet Press. @ Cyl Flg	PSIG	287.21	534.61
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	555.26	634.55
Disch. Line Pressure	PSIG		630.00
Ratio of Compression		1.888	1.182
Adiabatic Disch. Temp.	F	204.21	142.07
Est Actual Disch Temp	F	221.32	154.20
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	299.8	160.0
CAPACITY ACTUAL WET	MMSCFD	8.18	8.16
CAPACITY ACTUAL DRY	MMSCFD	8.14	8.13
TOTAL COMPRESSOR POWER	HP	453.15	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	333.5	105.0
Capacity Wet/ Cylinder	MMSCFD	8.18	8.16
HE Disch. Vol. Eff.	%	30.93	83.41
CE Disch. Vol. Eff.	%	52.39	83.24
HE Inlet Vol. Eff.	%	50.93	94.93
CE Inlet Vol. Eff.	%	86.26	94.74
Avg. Inlet Vol. Eff.	%	68.59	94.84
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	23000	2599
Internal Gas Load - C	LBF	-25740	-6922
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	19388	27318
Combined Rod Load - C	LBF	-22490	-23634
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.272	1.289
Avg. Vol. Expon. (N)		1.275	1.292
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.968	0.943
Z Discharge		0.970	0.943
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	300.00	
Inlet Press. @ Cyl Flg	PSIG	297.11	550.89
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	572.15	634.55
Disch. Line Pressure	PSIG		630.00
Ratio of Compression		1.882	1.148
Adiabatic Disch. Temp.	F	203.91	138.20
Est Actual Disch Temp	F	220.90	150.05
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	300.7	161.0
CAPACITY ACTUAL WET	MMSCFD	8.49	8.47
CAPACITY ACTUAL DRY	MMSCFD	8.44	8.44
TOTAL COMPRESSOR POWER	HP	453.89	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	343.9	95.4
Capacity Wet/ Cylinder	MMSCFD	8.49	8.47
HE Disch. Vol. Eff.	%	31.22	85.82
CE Disch. Vol. Eff.	%	52.58	85.68
HE Inlet Vol. Eff.	%	51.26	95.49
CE Inlet Vol. Eff.	%	86.34	95.33
Avg. Inlet Vol. Eff.	%	68.80	95.41
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	23684	2120
Internal Gas Load - C	LBF	-26423	-6489
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	20190	27732
Combined Rod Load - C	LBF	-22616	-23729
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	155.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.267	1.278
Avg. Vol. Expon. (N)		1.268	1.282
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.979	0.959
Z Discharge		0.979	0.960
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	200.00	
Inlet Press. @ Cyl Flg	PSIG	198.03	388.49
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	403.65	644.62
Disch. Line Pressure	PSIG		640.00
Ratio of Compression		1.967	1.635
Adiabatic Disch. Temp.	F	208.70	185.40
Est Actual Disch Temp	F	227.10	198.59
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	287.8	148.3
CAPACITY ACTUAL WET	MMSCFD	5.48	5.46
CAPACITY ACTUAL DRY	MMSCFD	5.44	5.44
TOTAL COMPRESSOR POWER	HP	423.03	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	239.5	168.9
Capacity Wet/ Cylinder	MMSCFD	5.48	5.46
HE Disch. Vol. Eff.	%	27.36	60.09
CE Disch. Vol. Eff.	%	49.96	59.64
HE Inlet Vol. Eff.	%	46.65	88.19
CE Inlet Vol. Eff.	%	85.16	87.53
Avg. Inlet Vol. Eff.	%	65.91	87.86
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	17391	7004
Internal Gas Load - C	LBF	-19191	-10928
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15540	24449
Combined Rod Load - C	LBF	-21367	-22367
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	170.0	165.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.267	1.279
Avg. Vol. Expon. (N)		1.269	1.283
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.978	0.958
Z Discharge		0.978	0.959
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	210.00	
Inlet Press. @ Cyl Flg	PSIG	207.94	404.95
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	420.72	644.62
Disch. Line Pressure	PSIG		640.00
Ratio of Compression		1.956	1.571
Adiabatic Disch. Temp.	F	208.07	180.03
Est Actual Disch Temp	F	226.30	193.17
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	289.4	149.8
CAPACITY ACTUAL WET	MMSCFD	5.78	5.76
CAPACITY ACTUAL DRY	MMSCFD	5.73	5.73
TOTAL COMPRESSOR POWER	HP	429.56	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	250.1	164.9
Capacity Wet/ Cylinder	MMSCFD	5.78	5.76
HE Disch. Vol. Eff.	%	27.83	62.65
CE Disch. Vol. Eff.	%	50.28	62.24
HE Inlet Vol. Eff.	%	47.23	89.10
CE Inlet Vol. Eff.	%	85.31	88.51
Avg. Inlet Vol. Eff.	%	66.27	88.80
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	18096	6547
Internal Gas Load - C	LBF	-19868	-10521
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14997	24900
Combined Rod Load - C	LBF	-21492	-22488
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	170.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.268	1.280
Avg. Vol. Expon. (N)		1.269	1.284
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.977	0.956
Z Discharge		0.977	0.957
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	220.00	
Inlet Press. @ Cyl Flg	PSIG	217.85	421.39
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	437.78	644.62
Disch. Line Pressure	PSIG		640.00
Ratio of Compression		1.946	1.512
Adiabatic Disch. Temp.	F	207.50	174.88
Est Actual Disch Temp	F	225.57	187.98
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	290.9	151.3
CAPACITY ACTUAL WET	MMSCFD	6.07	6.05
CAPACITY ACTUAL DRY	MMSCFD	6.03	6.03
TOTAL COMPRESSOR POWER	HP	435.43	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	260.6	160.2
Capacity Wet/ Cylinder	MMSCFD	6.07	6.05
HE Disch. Vol. Eff.	%	28.27	65.19
CE Disch. Vol. Eff.	%	50.58	64.81
HE Inlet Vol. Eff.	%	47.77	89.95
CE Inlet Vol. Eff.	%	85.45	89.42
Avg. Inlet Vol. Eff.	%	66.61	89.68
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	18786	6089
Internal Gas Load - C	LBF	-20544	-10115
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14456	25182
Combined Rod Load - C	LBF	-21616	-22809
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
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DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.268	1.281
Avg. Vol. Expon. (N)		1.270	1.285
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.976	0.954
Z Discharge		0.976	0.955
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	230.00	
Inlet Press. @ Cyl Flg	PSIG	227.76	437.80
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	454.81	644.62
Disch. Line Pressure	PSIG		640.00
Ratio of Compression		1.936	1.457
Adiabatic Disch. Temp.	F	206.97	169.94
Est Actual Disch Temp	F	224.88	182.98
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	292.3	152.7
CAPACITY ACTUAL WET	MMSCFD	6.37	6.35
CAPACITY ACTUAL DRY	MMSCFD	6.33	6.33
TOTAL COMPRESSOR POWER	HP	440.66	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	271.1	154.9
Capacity Wet/ Cylinder	MMSCFD	6.37	6.35
HE Disch. Vol. Eff.	%	28.69	67.71
CE Disch. Vol. Eff.	%	50.86	67.35
HE Inlet Vol. Eff.	%	48.27	90.75
CE Inlet Vol. Eff.	%	85.58	90.27
Avg. Inlet Vol. Eff.	%	66.93	90.51
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	19396	5632
Internal Gas Load - C	LBF	-21218	-9708
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14585	25618
Combined Rod Load - C	LBF	-21741	-22914
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.269	1.282
Avg. Vol. Expon. (N)		1.271	1.286
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.975	0.953
Z Discharge		0.975	0.953
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	240.00	
Inlet Press. @ Cyl Flg	PSIG	237.66	454.16
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	471.79	644.62
Disch. Line Pressure	PSIG		640.00
Ratio of Compression		1.928	1.406
Adiabatic Disch. Temp.	F	206.48	165.19
Est Actual Disch Temp	F	224.24	178.16
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	293.7	154.0
CAPACITY ACTUAL WET	MMSCFD	6.67	6.65
CAPACITY ACTUAL DRY	MMSCFD	6.62	6.62
TOTAL COMPRESSOR POWER	HP	445.26	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	281.6	149.0
Capacity Wet/ Cylinder	MMSCFD	6.67	6.65
HE Disch. Vol. Eff.	%	29.08	70.20
CE Disch. Vol. Eff.	%	51.13	69.87
HE Inlet Vol. Eff.	%	48.75	91.50
CE Inlet Vol. Eff.	%	85.70	91.07
Avg. Inlet Vol. Eff.	%	67.23	91.28
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	20004	5174
Internal Gas Load - C	LBF	-21889	-9300
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15369	26053
Combined Rod Load - C	LBF	-21865	-23018
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.269	1.283
Avg. Vol. Expon. (N)		1.271	1.287
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.974	0.951
Z Discharge		0.974	0.952
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	250.00	
Inlet Press. @ Cyl Flg	PSIG	247.57	470.47
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	488.70	644.62
Disch. Line Pressure	PSIG		640.00
Ratio of Compression		1.919	1.359
Adiabatic Disch. Temp.	F	206.01	160.63
Est Actual Disch Temp	F	223.63	173.51
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	294.9	155.2
CAPACITY ACTUAL WET	MMSCFD	6.97	6.94
CAPACITY ACTUAL DRY	MMSCFD	6.92	6.92
TOTAL COMPRESSOR POWER	HP	449.27	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	292.1	142.6
Capacity Wet/ Cylinder	MMSCFD	6.97	6.94
HE Disch. Vol. Eff.	%	29.46	72.65
CE Disch. Vol. Eff.	%	51.39	72.36
HE Inlet Vol. Eff.	%	49.20	92.20
CE Inlet Vol. Eff.	%	85.82	91.82
Avg. Inlet Vol. Eff.	%	67.51	92.01
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	20607	4716
Internal Gas Load - C	LBF	-22577	-8892
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16161	26101
Combined Rod Load - C	LBF	-21990	-23237
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.270	1.285
Avg. Vol. Expon. (N)		1.272	1.288
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.973	0.949
Z Discharge		0.973	0.950
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	260.00	
Inlet Press. @ Cyl Flg	PSIG	257.48	486.84
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	505.69	644.62
Disch. Line Pressure	PSIG		640.00
Ratio of Compression		1.912	1.315
Adiabatic Disch. Temp.	F	205.59	156.21
Est Actual Disch Temp	F	223.08	168.98
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	296.1	156.4
CAPACITY ACTUAL WET	MMSCFD	7.27	7.25
CAPACITY ACTUAL DRY	MMSCFD	7.22	7.22
TOTAL COMPRESSOR POWER	HP	452.67	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	302.6	135.5
Capacity Wet/ Cylinder	MMSCFD	7.27	7.25
HE Disch. Vol. Eff.	%	29.81	75.11
CE Disch. Vol. Eff.	%	51.62	74.84
HE Inlet Vol. Eff.	%	49.61	92.87
CE Inlet Vol. Eff.	%	85.93	92.54
Avg. Inlet Vol. Eff.	%	67.77	92.71
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	21215	4253
Internal Gas Load - C	LBF	-23444	-8479
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16952	26462
Combined Rod Load - C	LBF	-22115	-23328
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	155.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.270	1.286
Avg. Vol. Expon. (N)		1.273	1.289
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.972	0.948
Z Discharge		0.972	0.948
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	270.00	
Inlet Press. @ Cyl Flg	PSIG	267.39	502.94
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	522.40	644.62
Disch. Line Pressure	PSIG		640.00
Ratio of Compression		1.904	1.274
Adiabatic Disch. Temp.	F	205.14	152.01
Est Actual Disch Temp	F	222.50	164.64
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	297.3	157.5
CAPACITY ACTUAL WET	MMSCFD	7.57	7.54
CAPACITY ACTUAL DRY	MMSCFD	7.52	7.52
TOTAL COMPRESSOR POWER	HP	455.52	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	312.9	128.0
Capacity Wet/ Cylinder	MMSCFD	7.57	7.54
HE Disch. Vol. Eff.	%	30.18	77.50
CE Disch. Vol. Eff.	%	51.88	77.26
HE Inlet Vol. Eff.	%	50.05	93.50
CE Inlet Vol. Eff.	%	86.04	93.21
Avg. Inlet Vol. Eff.	%	68.04	93.35
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	21802	3796
Internal Gas Load - C	LBF	-24313	-8070
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17755	26879
Combined Rod Load - C	LBF	-22240	-23418
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.271	1.287
Avg. Vol. Expon. (N)		1.274	1.290
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.970	0.946
Z Discharge		0.972	0.946
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	280.00	
Inlet Press. @ Cyl Flg	PSIG	277.30	519.31
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	539.39	644.62
Disch. Line Pressure	PSIG		640.00
Ratio of Compression		1.898	1.235
Adiabatic Disch. Temp.	F	204.80	147.88
Est Actual Disch Temp	F	222.03	160.33
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	298.3	158.6
CAPACITY ACTUAL WET	MMSCFD	7.87	7.85
CAPACITY ACTUAL DRY	MMSCFD	7.82	7.82
TOTAL COMPRESSOR POWER	HP	457.74	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	323.4	119.7
Capacity Wet/ Cylinder	MMSCFD	7.87	7.85
HE Disch. Vol. Eff.	%	30.48	79.92
CE Disch. Vol. Eff.	%	52.08	79.71
HE Inlet Vol. Eff.	%	50.41	94.10
CE Inlet Vol. Eff.	%	86.13	93.85
Avg. Inlet Vol. Eff.	%	68.27	93.98
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	22412	3327
Internal Gas Load - C	LBF	-25145	-7650
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	18550	27051
Combined Rod Load - C	LBF	-22365	-23560
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
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DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.271	1.288
Avg. Vol. Expon. (N)		1.274	1.292
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.969	0.944
Z Discharge		0.971	0.945
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	290.00	
Inlet Press. @ Cyl Flg	PSIG	287.21	535.53
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	556.21	644.62
Disch. Line Pressure	PSIG		640.00
Ratio of Compression		1.891	1.198
Adiabatic Disch. Temp.	F	204.44	143.91
Est Actual Disch Temp	F	221.56	156.15
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	299.3	159.6
CAPACITY ACTUAL WET	MMSCFD	8.17	8.15
CAPACITY ACTUAL DRY	MMSCFD	8.13	8.13
TOTAL COMPRESSOR POWER	HP	459.40	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	333.8	111.0
Capacity Wet/ Cylinder	MMSCFD	8.17	8.15
HE Disch. Vol. Eff.	%	30.80	82.30
CE Disch. Vol. Eff.	%	52.30	82.12
HE Inlet Vol. Eff.	%	50.77	94.68
CE Inlet Vol. Eff.	%	86.22	94.47
Avg. Inlet Vol. Eff.	%	68.50	94.57
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	23040	2859
Internal Gas Load - C	LBF	-25822	-7229
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	19353	27094
Combined Rod Load - C	LBF	-22491	-23640
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.272	1.289
Avg. Vol. Expon. (N)		1.275	1.293
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.968	0.943
Z Discharge		0.970	0.943
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	300.00	
Inlet Press. @ Cyl Flg	PSIG	297.11	551.80
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	573.09	644.62
Disch. Line Pressure	PSIG		640.00
Ratio of Compression		1.885	1.164
Adiabatic Disch. Temp.	F	204.13	140.05
Est Actual Disch Temp	F	221.13	152.04
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	300.3	160.5
CAPACITY ACTUAL WET	MMSCFD	8.48	8.46
CAPACITY ACTUAL DRY	MMSCFD	8.43	8.43
TOTAL COMPRESSOR POWER	HP	460.44	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	344.2	101.6
Capacity Wet/ Cylinder	MMSCFD	8.48	8.46
HE Disch. Vol. Eff.	%	31.09	84.68
CE Disch. Vol. Eff.	%	52.50	84.52
HE Inlet Vol. Eff.	%	51.11	95.23
CE Inlet Vol. Eff.	%	86.31	95.05
Avg. Inlet Vol. Eff.	%	68.71	95.14
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	23723	2384
Internal Gas Load - C	LBF	-26503	-6800
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	20156	27508
Combined Rod Load - C	LBF	-22616	-23734
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.267	1.278
Avg. Vol. Expon. (N)		1.268	1.282
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.979	0.959
Z Discharge		0.979	0.960
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	200.00	
Inlet Press. @ Cyl Flg	PSIG	198.03	389.22
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	404.40	654.69
Disch. Line Pressure	PSIG		650.00
Ratio of Compression		1.970	1.657
Adiabatic Disch. Temp.	F	208.95	187.26
Est Actual Disch Temp	F	227.36	200.45
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	287.3	147.7
CAPACITY ACTUAL WET	MMSCFD	5.48	5.45
CAPACITY ACTUAL DRY	MMSCFD	5.43	5.43
TOTAL COMPRESSOR POWER	HP	426.98	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	239.7	172.7
Capacity Wet/ Cylinder	MMSCFD	5.48	5.45
HE Disch. Vol. Eff.	%	27.22	59.27
CE Disch. Vol. Eff.	%	49.86	58.81
HE Inlet Vol. Eff.	%	46.47	87.88
CE Inlet Vol. Eff.	%	85.12	87.21
Avg. Inlet Vol. Eff.	%	65.80	87.55
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	17423	7260
Internal Gas Load - C	LBF	-19255	-11228
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15486	24291
Combined Rod Load - C	LBF	-21368	-22374
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	170.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.267	1.279
Avg. Vol. Expon. (N)		1.269	1.283
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.978	0.957
Z Discharge		0.978	0.959
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	210.00	
Inlet Press. @ Cyl Flg	PSIG	207.94	405.72
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	421.53	654.69
Disch. Line Pressure	PSIG		650.00
Ratio of Compression		1.959	1.592
Adiabatic Disch. Temp.	F	208.33	181.87
Est Actual Disch Temp	F	226.57	195.03
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	288.9	149.3
CAPACITY ACTUAL WET	MMSCFD	5.77	5.75
CAPACITY ACTUAL DRY	MMSCFD	5.73	5.73
TOTAL COMPRESSOR POWER	HP	433.74	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	250.3	168.8
Capacity Wet/ Cylinder	MMSCFD	5.77	5.75
HE Disch. Vol. Eff.	%	27.69	61.81
CE Disch. Vol. Eff.	%	50.18	61.38
HE Inlet Vol. Eff.	%	47.05	88.80
CE Inlet Vol. Eff.	%	85.27	88.19
Avg. Inlet Vol. Eff.	%	66.16	88.50
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	18130	6802
Internal Gas Load - C	LBF	-19936	-10821
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14940	24744
Combined Rod Load - C	LBF	-21492	-22494
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	170.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.268	1.280
Avg. Vol. Expon. (N)		1.269	1.284
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.977	0.956
Z Discharge		0.977	0.957
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	220.00	
Inlet Press. @ Cyl Flg	PSIG	217.85	422.15
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	438.58	654.69
Disch. Line Pressure	PSIG		650.00
Ratio of Compression		1.949	1.532
Adiabatic Disch. Temp.	F	207.74	176.72
Est Actual Disch Temp	F	225.82	189.84
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	290.4	150.8
CAPACITY ACTUAL WET	MMSCFD	6.06	6.04
CAPACITY ACTUAL DRY	MMSCFD	6.02	6.02
TOTAL COMPRESSOR POWER	HP	439.84	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	260.8	164.4
Capacity Wet/ Cylinder	MMSCFD	6.06	6.04
HE Disch. Vol. Eff.	%	28.13	64.31
CE Disch. Vol. Eff.	%	50.48	63.92
HE Inlet Vol. Eff.	%	47.60	89.66
CE Inlet Vol. Eff.	%	85.41	89.11
Avg. Inlet Vol. Eff.	%	66.51	89.39
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	18835	6345
Internal Gas Load - C	LBF	-20611	-10415
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14400	25001
Combined Rod Load - C	LBF	-21616	-22772
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.268	1.281
Avg. Vol. Expon. (N)		1.270	1.285
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.976	0.954
Z Discharge		0.976	0.955
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	230.00	
Inlet Press. @ Cyl Flg	PSIG	227.76	438.56
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	455.59	654.69
Disch. Line Pressure	PSIG		650.00
Ratio of Compression		1.940	1.477
Adiabatic Disch. Temp.	F	207.20	171.79
Est Actual Disch Temp	F	225.12	184.85
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	291.9	152.2
CAPACITY ACTUAL WET	MMSCFD	6.36	6.34
CAPACITY ACTUAL DRY	MMSCFD	6.32	6.32
TOTAL COMPRESSOR POWER	HP	445.30	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	271.4	159.3
Capacity Wet/ Cylinder	MMSCFD	6.36	6.34
HE Disch. Vol. Eff.	%	28.55	66.80
CE Disch. Vol. Eff.	%	50.77	66.43
HE Inlet Vol. Eff.	%	48.11	90.46
CE Inlet Vol. Eff.	%	85.54	89.97
Avg. Inlet Vol. Eff.	%	66.83	90.22
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	19457	5888
Internal Gas Load - C	LBF	-21285	-10008
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14618	25437
Combined Rod Load - C	LBF	-21741	-22919
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
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DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.269	1.282
Avg. Vol. Expon. (N)		1.271	1.287
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.975	0.952
Z Discharge		0.975	0.953
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	240.00	
Inlet Press. @ Cyl Flg	PSIG	237.66	454.91
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	472.57	654.69
Disch. Line Pressure	PSIG		650.00
Ratio of Compression		1.931	1.425
Adiabatic Disch. Temp.	F	206.70	167.04
Est Actual Disch Temp	F	224.47	180.05
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	293.2	153.5
CAPACITY ACTUAL WET	MMSCFD	6.66	6.64
CAPACITY ACTUAL DRY	MMSCFD	6.61	6.61
TOTAL COMPRESSOR POWER	HP	450.14	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	281.9	153.7
Capacity Wet/ Cylinder	MMSCFD	6.66	6.64
HE Disch. Vol. Eff.	%	28.95	69.25
CE Disch. Vol. Eff.	%	51.04	68.91
HE Inlet Vol. Eff.	%	48.60	91.22
CE Inlet Vol. Eff.	%	85.67	90.77
Avg. Inlet Vol. Eff.	%	67.13	91.00
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	20064	5430
Internal Gas Load - C	LBF	-21955	-9602
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15341	25873
Combined Rod Load - C	LBF	-21866	-23024
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.269	1.283
Avg. Vol. Expon. (N)		1.271	1.288
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.974	0.951
Z Discharge		0.974	0.952
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	250.00	
Inlet Press. @ Cyl Flg	PSIG	247.57	471.21
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	489.48	654.69
Disch. Line Pressure	PSIG		650.00
Ratio of Compression		1.922	1.378
Adiabatic Disch. Temp.	F	206.22	162.49
Est Actual Disch Temp	F	223.85	175.41
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	294.5	154.8
CAPACITY ACTUAL WET	MMSCFD	6.96	6.93
CAPACITY ACTUAL DRY	MMSCFD	6.91	6.91
TOTAL COMPRESSOR POWER	HP	454.38	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	292.3	147.4
Capacity Wet/ Cylinder	MMSCFD	6.96	6.93
HE Disch. Vol. Eff.	%	29.34	71.68
CE Disch. Vol. Eff.	%	51.31	71.37
HE Inlet Vol. Eff.	%	49.06	91.93
CE Inlet Vol. Eff.	%	85.78	91.53
Avg. Inlet Vol. Eff.	%	67.42	91.73
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	20667	4973
Internal Gas Load - C	LBF	-22620	-9195
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16133	26101
Combined Rod Load - C	LBF	-21990	-23242
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.270	1.284
Avg. Vol. Expon. (N)		1.272	1.289
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.973	0.949
Z Discharge		0.973	0.950
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	260.00	
Inlet Press. @ Cyl Flg	PSIG	257.48	487.58
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	506.46	654.69
Disch. Line Pressure	PSIG		650.00
Ratio of Compression		1.915	1.333
Adiabatic Disch. Temp.	F	205.80	158.07
Est Actual Disch Temp	F	223.29	170.89
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	295.7	155.9
CAPACITY ACTUAL WET	MMSCFD	7.26	7.23
CAPACITY ACTUAL DRY	MMSCFD	7.21	7.21
TOTAL COMPRESSOR POWER	HP	458.03	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	302.8	140.6
Capacity Wet/ Cylinder	MMSCFD	7.26	7.23
HE Disch. Vol. Eff.	%	29.69	74.10
CE Disch. Vol. Eff.	%	51.54	73.82
HE Inlet Vol. Eff.	%	49.48	92.60
CE Inlet Vol. Eff.	%	85.89	92.25
Avg. Inlet Vol. Eff.	%	67.68	92.43
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	21275	4512
Internal Gas Load - C	LBF	-23444	-8783
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16924	26256
Combined Rod Load - C	LBF	-22115	-23333
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	155.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.270	1.286
Avg. Vol. Expon. (N)		1.273	1.290
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.972	0.948
Z Discharge		0.972	0.948
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	270.00	
Inlet Press. @ Cyl Flg	PSIG	267.39	503.86
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	523.35	654.69
Disch. Line Pressure	PSIG		650.00
Ratio of Compression		1.907	1.291
Adiabatic Disch. Temp.	F	205.39	153.82
Est Actual Disch Temp	F	222.76	166.52
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	296.8	157.0
CAPACITY ACTUAL WET	MMSCFD	7.56	7.54
CAPACITY ACTUAL DRY	MMSCFD	7.51	7.51
TOTAL COMPRESSOR POWER	HP	461.11	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	313.2	133.2
Capacity Wet/ Cylinder	MMSCFD	7.56	7.54
HE Disch. Vol. Eff.	%	30.03	76.49
CE Disch. Vol. Eff.	%	51.78	76.24
HE Inlet Vol. Eff.	%	49.88	93.24
CE Inlet Vol. Eff.	%	86.00	92.93
Avg. Inlet Vol. Eff.	%	67.94	93.08
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	21876	4051
Internal Gas Load - C	LBF	-24313	-8371
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17720	26679
Combined Rod Load - C	LBF	-22240	-23424
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.271	1.287
Avg. Vol. Expon. (N)		1.274	1.291
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.970	0.946
Z Discharge		0.972	0.946
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	280.00	
Inlet Press. @ Cyl Flg	PSIG	277.30	520.06
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	540.17	654.69
Disch. Line Pressure	PSIG		650.00
Ratio of Compression		1.900	1.252
Adiabatic Disch. Temp.	F	204.99	149.73
Est Actual Disch Temp	F	222.24	162.27
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	298.0	158.1
CAPACITY ACTUAL WET	MMSCFD	7.86	7.84
CAPACITY ACTUAL DRY	MMSCFD	7.81	7.81
TOTAL COMPRESSOR POWER	HP	463.62	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	323.7	125.3
Capacity Wet/ Cylinder	MMSCFD	7.86	7.84
HE Disch. Vol. Eff.	%	30.37	78.85
CE Disch. Vol. Eff.	%	52.01	78.63
HE Inlet Vol. Eff.	%	50.28	93.84
CE Inlet Vol. Eff.	%	86.10	93.57
Avg. Inlet Vol. Eff.	%	68.19	93.71
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	22472	3589
Internal Gas Load - C	LBF	-25184	-7958
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	18522	27050
Combined Rod Load - C	LBF	-22365	-23564
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.271	1.288
Avg. Vol. Expon. (N)		1.274	1.292
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.969	0.944
Z Discharge		0.971	0.945
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	290.00	
Inlet Press. @ Cyl Flg	PSIG	287.21	536.42
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	557.14	654.69
Disch. Line Pressure	PSIG		650.00
Ratio of Compression		1.894	1.215
Adiabatic Disch. Temp.	F	204.67	145.73
Est Actual Disch Temp	F	221.79	158.08
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	298.9	159.1
CAPACITY ACTUAL WET	MMSCFD	8.16	8.14
CAPACITY ACTUAL DRY	MMSCFD	8.12	8.12
TOTAL COMPRESSOR POWER	HP	465.52	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	334.1	116.8
Capacity Wet/ Cylinder	MMSCFD	8.16	8.14
HE Disch. Vol. Eff.	%	30.67	81.23
CE Disch. Vol. Eff.	%	52.21	81.03
HE Inlet Vol. Eff.	%	50.62	94.42
CE Inlet Vol. Eff.	%	86.18	94.19
Avg. Inlet Vol. Eff.	%	68.40	94.31
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	23081	3119
Internal Gas Load - C	LBF	-25901	-7535
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	19320	27010
Combined Rod Load - C	LBF	-22491	-23645
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.272	1.289
Avg. Vol. Expon. (N)		1.275	1.293
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.968	0.943
Z Discharge		0.970	0.943
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	300.00	
Inlet Press. @ Cyl Flg	PSIG	297.11	552.49
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	573.81	654.69
Disch. Line Pressure	PSIG		650.00
Ratio of Compression		1.887	1.180
Adiabatic Disch. Temp.	F	204.30	141.92
Est Actual Disch Temp	F	221.30	154.05
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	300.0	160.1
CAPACITY ACTUAL WET	MMSCFD	8.47	8.44
CAPACITY ACTUAL DRY	MMSCFD	8.42	8.42
TOTAL COMPRESSOR POWER	HP	466.90	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	344.5	107.8
Capacity Wet/ Cylinder	MMSCFD	8.47	8.44
HE Disch. Vol. Eff.	%	30.99	83.54
CE Disch. Vol. Eff.	%	52.43	83.38
HE Inlet Vol. Eff.	%	51.00	94.97
CE Inlet Vol. Eff.	%	86.28	94.78
Avg. Inlet Vol. Eff.	%	68.64	94.87
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	23752	2652
Internal Gas Load - C	LBF	-26565	-7115
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	20130	27278
Combined Rod Load - C	LBF	-22616	-23724
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.267	1.278
Avg. Vol. Expon. (N)		1.268	1.282
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.979	0.959
Z Discharge		0.979	0.961
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	200.00	
Inlet Press. @ Cyl Flg	PSIG	198.03	389.94
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	405.15	664.76
Disch. Line Pressure	PSIG		660.00
Ratio of Compression		1.974	1.679
Adiabatic Disch. Temp.	F	209.19	189.09
Est Actual Disch Temp	F	227.61	202.29
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	286.8	147.2
CAPACITY ACTUAL WET	MMSCFD	5.47	5.45
CAPACITY ACTUAL DRY	MMSCFD	5.42	5.42
TOTAL COMPRESSOR POWER	HP	430.86	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	239.9	176.4
Capacity Wet/ Cylinder	MMSCFD	5.47	5.45
HE Disch. Vol. Eff.	%	27.08	58.46
CE Disch. Vol. Eff.	%	49.77	58.00
HE Inlet Vol. Eff.	%	46.30	87.58
CE Inlet Vol. Eff.	%	85.08	86.88
Avg. Inlet Vol. Eff.	%	65.69	87.23
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	17455	7516
Internal Gas Load - C	LBF	-19319	-11529
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15433	24133
Combined Rod Load - C	LBF	-21368	-22380
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	170.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.267	1.279
Avg. Vol. Expon. (N)		1.269	1.283
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.978	0.957
Z Discharge		0.978	0.959
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	210.00	
Inlet Press. @ Cyl Flg	PSIG	207.94	406.37
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	422.20	664.76
Disch. Line Pressure	PSIG		660.00
Ratio of Compression		1.962	1.614
Adiabatic Disch. Temp.	F	208.54	183.72
Est Actual Disch Temp	F	226.79	196.90
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	288.5	148.8
CAPACITY ACTUAL WET	MMSCFD	5.76	5.74
CAPACITY ACTUAL DRY	MMSCFD	5.72	5.72
TOTAL COMPRESSOR POWER	HP	437.85	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	250.5	172.8
Capacity Wet/ Cylinder	MMSCFD	5.76	5.74
HE Disch. Vol. Eff.	%	27.57	60.96
CE Disch. Vol. Eff.	%	50.10	60.53
HE Inlet Vol. Eff.	%	46.90	88.51
CE Inlet Vol. Eff.	%	85.23	87.87
Avg. Inlet Vol. Eff.	%	66.07	88.19
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	18159	7059
Internal Gas Load - C	LBF	-19993	-11123
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14892	24584
Combined Rod Load - C	LBF	-21492	-22500
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	170.0	165.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.268	1.280
Avg. Vol. Expon. (N)		1.269	1.285
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.977	0.956
Z Discharge		0.977	0.957
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	220.00	
Inlet Press. @ Cyl Flg	PSIG	217.85	422.85
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	439.30	664.76
Disch. Line Pressure	PSIG		660.00
Ratio of Compression		1.952	1.553
Adiabatic Disch. Temp.	F	207.96	178.56
Est Actual Disch Temp	F	226.05	191.70
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	290.0	150.3
CAPACITY ACTUAL WET	MMSCFD	6.05	6.03
CAPACITY ACTUAL DRY	MMSCFD	6.01	6.01
TOTAL COMPRESSOR POWER	HP	444.17	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	261.0	168.5
Capacity Wet/ Cylinder	MMSCFD	6.05	6.03
HE Disch. Vol. Eff.	%	28.01	63.45
CE Disch. Vol. Eff.	%	50.40	63.04
HE Inlet Vol. Eff.	%	47.45	89.37
CE Inlet Vol. Eff.	%	85.37	88.80
Avg. Inlet Vol. Eff.	%	66.41	89.09
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	18865	6602
Internal Gas Load - C	LBF	-20673	-10716
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14349	24887
Combined Rod Load - C	LBF	-21617	-22633
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.268	1.281
Avg. Vol. Expon. (N)		1.270	1.286
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.976	0.954
Z Discharge		0.976	0.955
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	230.00	
Inlet Press. @ Cyl Flg	PSIG	227.76	439.31
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	456.37	664.76
Disch. Line Pressure	PSIG		660.00
Ratio of Compression		1.943	1.497
Adiabatic Disch. Temp.	F	207.43	173.61
Est Actual Disch Temp	F	225.36	186.70
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	291.4	151.7
CAPACITY ACTUAL WET	MMSCFD	6.35	6.33
CAPACITY ACTUAL DRY	MMSCFD	6.31	6.31
TOTAL COMPRESSOR POWER	HP	449.86	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	271.6	163.7
Capacity Wet/ Cylinder	MMSCFD	6.35	6.33
HE Disch. Vol. Eff.	%	28.42	65.91
CE Disch. Vol. Eff.	%	50.68	65.53
HE Inlet Vol. Eff.	%	47.95	90.18
CE Inlet Vol. Eff.	%	85.50	89.67
Avg. Inlet Vol. Eff.	%	66.73	89.93
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	19518	6143
Internal Gas Load - C	LBF	-21351	-10309
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14651	25257
Combined Rod Load - C	LBF	-21741	-22925
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.269	1.282
Avg. Vol. Expon. (N)		1.271	1.287
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.975	0.952
Z Discharge		0.975	0.953
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	240.00	
Inlet Press. @ Cyl Flg	PSIG	237.66	455.66
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	473.34	664.76
Disch. Line Pressure	PSIG		660.00
Ratio of Compression		1.934	1.445
Adiabatic Disch. Temp.	F	206.91	168.87
Est Actual Disch Temp	F	224.70	181.91
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	292.8	153.1
CAPACITY ACTUAL WET	MMSCFD	6.65	6.63
CAPACITY ACTUAL DRY	MMSCFD	6.60	6.60
TOTAL COMPRESSOR POWER	HP	454.93	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	282.1	158.2
Capacity Wet/ Cylinder	MMSCFD	6.65	6.63
HE Disch. Vol. Eff.	%	28.83	68.33
CE Disch. Vol. Eff.	%	50.96	67.98
HE Inlet Vol. Eff.	%	48.44	90.94
CE Inlet Vol. Eff.	%	85.63	90.48
Avg. Inlet Vol. Eff.	%	67.04	90.71
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	20124	5687
Internal Gas Load - C	LBF	-22020	-9903
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15343	25692
Combined Rod Load - C	LBF	-21866	-23029
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.269	1.283
Avg. Vol. Expon. (N)		1.271	1.288
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.974	0.951
Z Discharge		0.974	0.952
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	250.00	
Inlet Press. @ Cyl Flg	PSIG	247.57	472.02
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	490.31	664.76
Disch. Line Pressure	PSIG		660.00
Ratio of Compression		1.926	1.396
Adiabatic Disch. Temp.	F	206.45	164.30
Est Actual Disch Temp	F	224.09	177.26
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	294.1	154.3
CAPACITY ACTUAL WET	MMSCFD	6.95	6.93
CAPACITY ACTUAL DRY	MMSCFD	6.90	6.90
TOTAL COMPRESSOR POWER	HP	459.40	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	292.6	152.2
Capacity Wet/ Cylinder	MMSCFD	6.95	6.93
HE Disch. Vol. Eff.	%	29.21	70.74
CE Disch. Vol. Eff.	%	51.22	70.42
HE Inlet Vol. Eff.	%	48.90	91.66
CE Inlet Vol. Eff.	%	85.75	91.24
Avg. Inlet Vol. Eff.	%	67.32	91.45
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	20731	5229
Internal Gas Load - C	LBF	-22691	-9496
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16102	26100
Combined Rod Load - C	LBF	-21991	-23160
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.270	1.284
Avg. Vol. Expon. (N)		1.272	1.289
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.973	0.949
Z Discharge		0.973	0.950
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	260.00	
Inlet Press. @ Cyl Flg	PSIG	257.48	488.31
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	507.21	664.76
Disch. Line Pressure	PSIG		660.00
Ratio of Compression		1.918	1.351
Adiabatic Disch. Temp.	F	206.00	159.91
Est Actual Disch Temp	F	223.50	172.77
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	295.3	155.5
CAPACITY ACTUAL WET	MMSCFD	7.24	7.22
CAPACITY ACTUAL DRY	MMSCFD	7.20	7.20
TOTAL COMPRESSOR POWER	HP	463.30	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	303.0	145.6
Capacity Wet/ Cylinder	MMSCFD	7.25	7.22
HE Disch. Vol. Eff.	%	29.57	73.12
CE Disch. Vol. Eff.	%	51.47	72.83
HE Inlet Vol. Eff.	%	49.34	92.33
CE Inlet Vol. Eff.	%	85.86	91.96
Avg. Inlet Vol. Eff.	%	67.60	92.15
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	21333	4771
Internal Gas Load - C	LBF	-23445	-9087
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16896	26072
Combined Rod Load - C	LBF	-22115	-23338
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.270	1.285
Avg. Vol. Expon. (N)		1.273	1.290
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.972	0.947
Z Discharge		0.973	0.948
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	270.00	
Inlet Press. @ Cyl Flg	PSIG	267.39	504.66
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	524.18	664.76
Disch. Line Pressure	PSIG		660.00
Ratio of Compression		1.910	1.308
Adiabatic Disch. Temp.	F	205.60	155.64
Est Actual Disch Temp	F	222.98	168.39
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	296.4	156.6
CAPACITY ACTUAL WET	MMSCFD	7.55	7.53
CAPACITY ACTUAL DRY	MMSCFD	7.50	7.50
TOTAL COMPRESSOR POWER	HP	466.61	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	313.5	138.5
Capacity Wet/ Cylinder	MMSCFD	7.55	7.53
HE Disch. Vol. Eff.	%	29.91	75.49
CE Disch. Vol. Eff.	%	51.70	75.23
HE Inlet Vol. Eff.	%	49.74	92.97
CE Inlet Vol. Eff.	%	85.96	92.65
Avg. Inlet Vol. Eff.	%	67.85	92.81
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	21941	4309
Internal Gas Load - C	LBF	-24314	-8675
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17690	26475
Combined Rod Load - C	LBF	-22240	-23429
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	155.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.271	1.286
Avg. Vol. Expon. (N)		1.274	1.291
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.970	0.946
Z Discharge		0.972	0.946
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	280.00	
Inlet Press. @ Cyl Flg	PSIG	277.30	520.81
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	540.94	664.76
Disch. Line Pressure	PSIG		660.00
Ratio of Compression		1.903	1.269
Adiabatic Disch. Temp.	F	205.19	151.56
Est Actual Disch Temp	F	222.44	164.18
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	297.6	157.6
CAPACITY ACTUAL WET	MMSCFD	7.85	7.83
CAPACITY ACTUAL DRY	MMSCFD	7.80	7.80
TOTAL COMPRESSOR POWER	HP	469.38	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	323.9	130.8
Capacity Wet/ Cylinder	MMSCFD	7.85	7.83
HE Disch. Vol. Eff.	%	30.26	77.82
CE Disch. Vol. Eff.	%	51.93	77.58
HE Inlet Vol. Eff.	%	50.15	93.58
CE Inlet Vol. Eff.	%	86.06	93.29
Avg. Inlet Vol. Eff.	%	68.11	93.44
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	22532	3850
Internal Gas Load - C	LBF	-25184	-8264
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	18494	26894
Combined Rod Load - C	LBF	-22366	-23555
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.271	1.288
Avg. Vol. Expon. (N)		1.274	1.292
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.969	0.944
Z Discharge		0.971	0.945
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	290.00	
Inlet Press. @ Cyl Flg	PSIG	287.21	537.16
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	557.90	664.76
Disch. Line Pressure	PSIG		660.00
Ratio of Compression		1.897	1.231
Adiabatic Disch. Temp.	F	204.85	147.56
Est Actual Disch Temp	F	221.98	160.01
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	298.6	158.7
CAPACITY ACTUAL WET	MMSCFD	8.15	8.13
CAPACITY ACTUAL DRY	MMSCFD	8.11	8.11
TOTAL COMPRESSOR POWER	HP	471.55	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	334.4	122.6
Capacity Wet/ Cylinder	MMSCFD	8.15	8.13
HE Disch. Vol. Eff.	%	30.56	80.16
CE Disch. Vol. Eff.	%	52.14	79.95
HE Inlet Vol. Eff.	%	50.50	94.16
CE Inlet Vol. Eff.	%	86.15	93.92
Avg. Inlet Vol. Eff.	%	68.33	94.04
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	23140	3382
Internal Gas Load - C	LBF	-25966	-7844
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	19292	27009
Combined Rod Load - C	LBF	-22491	-23649
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.272	1.289
Avg. Vol. Expon. (N)		1.275	1.293
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.968	0.943
Z Discharge		0.970	0.943
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	300.00	
Inlet Press. @ Cyl Flg	PSIG	297.11	553.32
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	574.67	664.76
Disch. Line Pressure	PSIG		660.00
Ratio of Compression		1.890	1.196
Adiabatic Disch. Temp.	F	204.50	143.73
Est Actual Disch Temp	F	221.51	155.97
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	299.6	159.6
CAPACITY ACTUAL WET	MMSCFD	8.46	8.43
CAPACITY ACTUAL DRY	MMSCFD	8.41	8.41
TOTAL COMPRESSOR POWER	HP	473.19	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	344.8	113.8
Capacity Wet/ Cylinder	MMSCFD	8.46	8.43
HE Disch. Vol. Eff.	%	30.87	82.46
CE Disch. Vol. Eff.	%	52.35	82.28
HE Inlet Vol. Eff.	%	50.86	94.71
CE Inlet Vol. Eff.	%	86.25	94.51
Avg. Inlet Vol. Eff.	%	68.55	94.61
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	23788	2914
Internal Gas Load - C	LBF	-26638	-7424
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	20099	27051
Combined Rod Load - C	LBF	-22616	-23729
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.267	1.277
Avg. Vol. Expon. (N)		1.268	1.283
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.979	0.959
Z Discharge		0.979	0.961
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	200.00	
Inlet Press. @ Cyl Flg	PSIG	198.03	390.65
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	405.89	674.83
Disch. Line Pressure	PSIG		670.00
Ratio of Compression		1.977	1.701
Adiabatic Disch. Temp.	F	209.43	190.89
Est Actual Disch Temp	F	227.87	204.11
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	286.3	146.7
CAPACITY ACTUAL WET	MMSCFD	5.46	5.44
CAPACITY ACTUAL DRY	MMSCFD	5.41	5.41
TOTAL COMPRESSOR POWER	HP	434.68	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	240.1	180.0
Capacity Wet/ Cylinder	MMSCFD	5.46	5.44
HE Disch. Vol. Eff.	%	26.94	57.68
CE Disch. Vol. Eff.	%	49.67	57.21
HE Inlet Vol. Eff.	%	46.13	87.28
CE Inlet Vol. Eff.	%	85.04	86.56
Avg. Inlet Vol. Eff.	%	65.58	86.92
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	17502	7771
Internal Gas Load - C	LBF	-19383	-11829
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15381	23975
Combined Rod Load - C	LBF	-21368	-22316
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	170.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.267	1.279
Avg. Vol. Expon. (N)		1.269	1.284
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.978	0.957
Z Discharge		0.978	0.959
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	210.00	
Inlet Press. @ Cyl Flg	PSIG	207.94	407.13
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	422.99	674.83
Disch. Line Pressure	PSIG		670.00
Ratio of Compression		1.966	1.635
Adiabatic Disch. Temp.	F	208.79	185.52
Est Actual Disch Temp	F	227.05	198.70
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	288.0	148.3
CAPACITY ACTUAL WET	MMSCFD	5.75	5.73
CAPACITY ACTUAL DRY	MMSCFD	5.71	5.71
TOTAL COMPRESSOR POWER	HP	441.88	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	250.7	176.6
Capacity Wet/ Cylinder	MMSCFD	5.75	5.73
HE Disch. Vol. Eff.	%	27.42	60.16
CE Disch. Vol. Eff.	%	50.00	59.71
HE Inlet Vol. Eff.	%	46.73	88.22
CE Inlet Vol. Eff.	%	85.19	87.56
Avg. Inlet Vol. Eff.	%	65.96	87.89
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	18192	7314
Internal Gas Load - C	LBF	-20061	-11423
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14836	24427
Combined Rod Load - C	LBF	-21492	-22506
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	170.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.268	1.280
Avg. Vol. Expon. (N)		1.269	1.285
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.977	0.956
Z Discharge		0.977	0.957
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	220.00	
Inlet Press. @ Cyl Flg	PSIG	217.85	423.60
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	440.08	674.83
Disch. Line Pressure	PSIG		670.00
Ratio of Compression		1.956	1.573
Adiabatic Disch. Temp.	F	208.20	180.36
Est Actual Disch Temp	F	226.29	193.51
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	289.6	149.8
CAPACITY ACTUAL WET	MMSCFD	6.05	6.02
CAPACITY ACTUAL DRY	MMSCFD	6.00	6.00
TOTAL COMPRESSOR POWER	HP	448.43	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	261.2	172.6
Capacity Wet/ Cylinder	MMSCFD	6.05	6.02
HE Disch. Vol. Eff.	%	27.87	62.61
CE Disch. Vol. Eff.	%	50.31	62.19
HE Inlet Vol. Eff.	%	47.28	89.09
CE Inlet Vol. Eff.	%	85.33	88.50
Avg. Inlet Vol. Eff.	%	66.31	88.79
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	18898	6857
Internal Gas Load - C	LBF	-20740	-11017
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14295	24879
Combined Rod Load - C	LBF	-21617	-22627
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.268	1.281
Avg. Vol. Expon. (N)		1.270	1.286
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.976	0.954
Z Discharge		0.976	0.955
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	230.00	
Inlet Press. @ Cyl Flg	PSIG	227.76	440.05
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	457.15	674.83
Disch. Line Pressure	PSIG		670.00
Ratio of Compression		1.946	1.516
Adiabatic Disch. Temp.	F	207.66	175.41
Est Actual Disch Temp	F	225.59	188.52
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	291.0	151.2
CAPACITY ACTUAL WET	MMSCFD	6.34	6.32
CAPACITY ACTUAL DRY	MMSCFD	6.30	6.30
TOTAL COMPRESSOR POWER	HP	454.34	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	271.8	167.9
Capacity Wet/ Cylinder	MMSCFD	6.34	6.32
HE Disch. Vol. Eff.	%	28.29	65.04
CE Disch. Vol. Eff.	%	50.59	64.65
HE Inlet Vol. Eff.	%	47.80	89.90
CE Inlet Vol. Eff.	%	85.47	89.37
Avg. Inlet Vol. Eff.	%	66.63	89.64
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	19578	6399
Internal Gas Load - C	LBF	-21417	-10610
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14683	25076
Combined Rod Load - C	LBF	-21741	-22931
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.269	1.282
Avg. Vol. Expon. (N)		1.271	1.287
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.975	0.952
Z Discharge		0.975	0.953
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	240.00	
Inlet Press. @ Cyl Flg	PSIG	237.66	456.39
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	474.10	674.83
Disch. Line Pressure	PSIG		670.00
Ratio of Compression		1.937	1.464
Adiabatic Disch. Temp.	F	207.13	170.68
Est Actual Disch Temp	F	224.92	183.74
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	292.4	152.6
CAPACITY ACTUAL WET	MMSCFD	6.64	6.62
CAPACITY ACTUAL DRY	MMSCFD	6.59	6.59
TOTAL COMPRESSOR POWER	HP	459.63	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	282.3	162.7
Capacity Wet/ Cylinder	MMSCFD	6.64	6.62
HE Disch. Vol. Eff.	%	28.70	67.44
CE Disch. Vol. Eff.	%	50.87	67.08
HE Inlet Vol. Eff.	%	48.30	90.67
CE Inlet Vol. Eff.	%	85.59	90.18
Avg. Inlet Vol. Eff.	%	66.94	90.43
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	20183	5944
Internal Gas Load - C	LBF	-22085	-10205
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15375	25511
Combined Rod Load - C	LBF	-21866	-23035
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.269	1.283
Avg. Vol. Expon. (N)		1.271	1.288
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.974	0.951
Z Discharge		0.974	0.952
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	250.00	
Inlet Press. @ Cyl Flg	PSIG	247.57	472.82
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	491.14	674.83
Disch. Line Pressure	PSIG		670.00
Ratio of Compression		1.929	1.414
Adiabatic Disch. Temp.	F	206.67	166.09
Est Actual Disch Temp	F	224.32	179.09
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	293.7	153.8
CAPACITY ACTUAL WET	MMSCFD	6.94	6.92
CAPACITY ACTUAL DRY	MMSCFD	6.89	6.89
TOTAL COMPRESSOR POWER	HP	464.33	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	292.8	156.9
Capacity Wet/ Cylinder	MMSCFD	6.94	6.92
HE Disch. Vol. Eff.	%	29.08	69.82
CE Disch. Vol. Eff.	%	51.13	69.49
HE Inlet Vol. Eff.	%	48.74	91.39
CE Inlet Vol. Eff.	%	85.71	90.96
Avg. Inlet Vol. Eff.	%	67.23	91.17
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	20796	5485
Internal Gas Load - C	LBF	-22761	-9796
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16072	25948
Combined Rod Load - C	LBF	-21991	-23139
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
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DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.270	1.284
Avg. Vol. Expon. (N)		1.272	1.289
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.973	0.949
Z Discharge		0.973	0.950
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	260.00	
Inlet Press. @ Cyl Flg	PSIG	257.48	489.10
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	508.04	674.83
Disch. Line Pressure	PSIG		670.00
Ratio of Compression		1.921	1.369
Adiabatic Disch. Temp.	F	206.22	161.70
Est Actual Disch Temp	F	223.73	174.61
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	294.9	155.0
CAPACITY ACTUAL WET	MMSCFD	7.24	7.21
CAPACITY ACTUAL DRY	MMSCFD	7.19	7.19
TOTAL COMPRESSOR POWER	HP	468.46	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	303.3	150.6
Capacity Wet/ Cylinder	MMSCFD	7.24	7.21
HE Disch. Vol. Eff.	%	29.45	72.17
CE Disch. Vol. Eff.	%	51.38	71.87
HE Inlet Vol. Eff.	%	49.19	92.07
CE Inlet Vol. Eff.	%	85.82	91.68
Avg. Inlet Vol. Eff.	%	67.51	91.88
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	21397	5027
Internal Gas Load - C	LBF	-23445	-9389
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16866	26072
Combined Rod Load - C	LBF	-22116	-23343
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.270	1.285
Avg. Vol. Expon. (N)		1.273	1.290
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.972	0.947
Z Discharge		0.973	0.948
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	270.00	
Inlet Press. @ Cyl Flg	PSIG	267.39	505.45
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	525.00	674.83
Disch. Line Pressure	PSIG		670.00
Ratio of Compression		1.913	1.326
Adiabatic Disch. Temp.	F	205.81	157.43
Est Actual Disch Temp	F	223.20	170.25
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	296.0	156.1
CAPACITY ACTUAL WET	MMSCFD	7.54	7.52
CAPACITY ACTUAL DRY	MMSCFD	7.49	7.49
TOTAL COMPRESSOR POWER	HP	472.01	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	313.8	143.6
Capacity Wet/ Cylinder	MMSCFD	7.54	7.52
HE Disch. Vol. Eff.	%	29.79	74.52
CE Disch. Vol. Eff.	%	51.61	74.24
HE Inlet Vol. Eff.	%	49.59	92.71
CE Inlet Vol. Eff.	%	85.93	92.37
Avg. Inlet Vol. Eff.	%	67.76	92.54
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	22004	4567
Internal Gas Load - C	LBF	-24314	-8978
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17660	26271
Combined Rod Load - C	LBF	-22241	-23434
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	155.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.271	1.286
Avg. Vol. Expon. (N)		1.274	1.291
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.970	0.946
Z Discharge		0.972	0.946
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	280.00	
Inlet Press. @ Cyl Flg	PSIG	277.30	521.71
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	541.87	674.83
Disch. Line Pressure	PSIG		670.00
Ratio of Compression		1.906	1.285
Adiabatic Disch. Temp.	F	205.42	153.33
Est Actual Disch Temp	F	222.68	166.02
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	297.2	157.2
CAPACITY ACTUAL WET	MMSCFD	7.84	7.82
CAPACITY ACTUAL DRY	MMSCFD	7.79	7.79
TOTAL COMPRESSOR POWER	HP	475.01	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	324.2	136.2
Capacity Wet/ Cylinder	MMSCFD	7.84	7.82
HE Disch. Vol. Eff.	%	30.12	76.83
CE Disch. Vol. Eff.	%	51.84	76.58
HE Inlet Vol. Eff.	%	49.99	93.33
CE Inlet Vol. Eff.	%	86.03	93.03
Avg. Inlet Vol. Eff.	%	68.01	93.18
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	22604	4106
Internal Gas Load - C	LBF	-25185	-8566
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	18460	26693
Combined Rod Load - C	LBF	-22366	-23525
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	155.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.271	1.287
Avg. Vol. Expon. (N)		1.274	1.292
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.969	0.944
Z Discharge		0.971	0.945
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	290.00	
Inlet Press. @ Cyl Flg	PSIG	287.21	537.89
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	558.66	674.83
Disch. Line Pressure	PSIG		670.00
Ratio of Compression		1.899	1.248
Adiabatic Disch. Temp.	F	205.04	149.37
Est Actual Disch Temp	F	222.17	161.91
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	298.2	158.2
CAPACITY ACTUAL WET	MMSCFD	8.14	8.12
CAPACITY ACTUAL DRY	MMSCFD	8.10	8.09
TOTAL COMPRESSOR POWER	HP	477.47	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	334.6	128.2
Capacity Wet/ Cylinder	MMSCFD	8.14	8.12
HE Disch. Vol. Eff.	%	30.45	79.12
CE Disch. Vol. Eff.	%	52.06	78.90
HE Inlet Vol. Eff.	%	50.37	93.91
CE Inlet Vol. Eff.	%	86.12	93.64
Avg. Inlet Vol. Eff.	%	68.25	93.78
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	23198	3644
Internal Gas Load - C	LBF	-26031	-8152
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	19264	27008
Combined Rod Load - C	LBF	-22491	-23653
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.272	1.288
Avg. Vol. Expon. (N)		1.275	1.293
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.968	0.942
Z Discharge		0.970	0.943
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	300.00	
Inlet Press. @ Cyl Flg	PSIG	297.11	554.21
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	575.60	674.83
Disch. Line Pressure	PSIG		670.00
Ratio of Compression		1.893	1.212
Adiabatic Disch. Temp.	F	204.72	145.50
Est Actual Disch Temp	F	221.74	157.85
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	299.2	159.2
CAPACITY ACTUAL WET	MMSCFD	8.45	8.42
CAPACITY ACTUAL DRY	MMSCFD	8.40	8.40
TOTAL COMPRESSOR POWER	HP	479.33	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	345.1	119.6
Capacity Wet/ Cylinder	MMSCFD	8.45	8.42
HE Disch. Vol. Eff.	%	30.74	81.42
CE Disch. Vol. Eff.	%	52.26	81.22
HE Inlet Vol. Eff.	%	50.71	94.47
CE Inlet Vol. Eff.	%	86.21	94.24
Avg. Inlet Vol. Eff.	%	68.46	94.35
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	23826	3174
Internal Gas Load - C	LBF	-26717	-7731
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	20066	26969
Combined Rod Load - C	LBF	-22617	-23734
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.267	1.277
Avg. Vol. Expon. (N)		1.268	1.283
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.979	0.959
Z Discharge		0.979	0.961
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	200.00	
Inlet Press. @ Cyl Flg	PSIG	198.03	391.36
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	406.63	684.90
Disch. Line Pressure	PSIG		680.00
Ratio of Compression		1.981	1.723
Adiabatic Disch. Temp.	F	209.67	192.67
Est Actual Disch Temp	F	228.12	205.90
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	285.8	146.2
CAPACITY ACTUAL WET	MMSCFD	5.45	5.43
CAPACITY ACTUAL DRY	MMSCFD	5.40	5.40
TOTAL COMPRESSOR POWER	HP	438.42	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	240.2	183.6
Capacity Wet/ Cylinder	MMSCFD	5.45	5.43
HE Disch. Vol. Eff.	%	26.81	56.92
CE Disch. Vol. Eff.	%	49.58	56.44
HE Inlet Vol. Eff.	%	45.96	86.99
CE Inlet Vol. Eff.	%	85.00	86.25
Avg. Inlet Vol. Eff.	%	65.48	86.62
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	17559	8013
Internal Gas Load - C	LBF	-19446	-12130
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15329	23817
Combined Rod Load - C	LBF	-21368	-22194
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	170.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.267	1.278
Avg. Vol. Expon. (N)		1.269	1.284
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.978	0.957
Z Discharge		0.978	0.959
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	210.00	
Inlet Press. @ Cyl Flg	PSIG	207.94	407.89
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	423.78	684.90
Disch. Line Pressure	PSIG		680.00
Ratio of Compression		1.969	1.656
Adiabatic Disch. Temp.	F	209.03	187.28
Est Actual Disch Temp	F	227.30	200.48
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	287.5	147.8
CAPACITY ACTUAL WET	MMSCFD	5.74	5.72
CAPACITY ACTUAL DRY	MMSCFD	5.70	5.70
TOTAL COMPRESSOR POWER	HP	445.85	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	250.9	180.4
Capacity Wet/ Cylinder	MMSCFD	5.74	5.72
HE Disch. Vol. Eff.	%	27.28	59.37
CE Disch. Vol. Eff.	%	49.90	58.92
HE Inlet Vol. Eff.	%	46.55	87.93
CE Inlet Vol. Eff.	%	85.15	87.25
Avg. Inlet Vol. Eff.	%	65.85	87.59
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	18225	7569
Internal Gas Load - C	LBF	-20128	-11723
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14780	24270
Combined Rod Load - C	LBF	-21492	-22513
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	170.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.268	1.280
Avg. Vol. Expon. (N)		1.269	1.285
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.977	0.956
Z Discharge		0.977	0.957
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	220.00	
Inlet Press. @ Cyl Flg	PSIG	217.85	424.29
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	440.79	684.90
Disch. Line Pressure	PSIG		680.00
Ratio of Compression		1.959	1.594
Adiabatic Disch. Temp.	F	208.41	182.15
Est Actual Disch Temp	F	226.52	195.32
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	289.1	149.3
CAPACITY ACTUAL WET	MMSCFD	6.04	6.01
CAPACITY ACTUAL DRY	MMSCFD	5.99	5.99
TOTAL COMPRESSOR POWER	HP	452.61	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	261.4	176.6
Capacity Wet/ Cylinder	MMSCFD	6.04	6.01
HE Disch. Vol. Eff.	%	27.75	61.79
CE Disch. Vol. Eff.	%	50.22	61.36
HE Inlet Vol. Eff.	%	47.13	88.80
CE Inlet Vol. Eff.	%	85.30	88.19
Avg. Inlet Vol. Eff.	%	66.21	88.50
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	18929	7114
Internal Gas Load - C	LBF	-20800	-11318
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14245	24720
Combined Rod Load - C	LBF	-21617	-22633
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.268	1.281
Avg. Vol. Expon. (N)		1.270	1.286
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.976	0.954
Z Discharge		0.976	0.955
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	230.00	
Inlet Press. @ Cyl Flg	PSIG	227.76	440.79
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	457.92	684.90
Disch. Line Pressure	PSIG		680.00
Ratio of Compression		1.949	1.536
Adiabatic Disch. Temp.	F	207.88	177.19
Est Actual Disch Temp	F	225.83	190.32
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	290.6	150.8
CAPACITY ACTUAL WET	MMSCFD	6.33	6.31
CAPACITY ACTUAL DRY	MMSCFD	6.29	6.29
TOTAL COMPRESSOR POWER	HP	458.74	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	272.0	172.1
Capacity Wet/ Cylinder	MMSCFD	6.33	6.31
HE Disch. Vol. Eff.	%	28.16	64.20
CE Disch. Vol. Eff.	%	50.51	63.80
HE Inlet Vol. Eff.	%	47.64	89.63
CE Inlet Vol. Eff.	%	85.43	89.07
Avg. Inlet Vol. Eff.	%	66.53	89.35
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	19637	6655
Internal Gas Load - C	LBF	-21482	-10911
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14715	24895
Combined Rod Load - C	LBF	-21741	-22872
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.269	1.282
Avg. Vol. Expon. (N)		1.271	1.287
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.975	0.952
Z Discharge		0.975	0.953
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	240.00	
Inlet Press. @ Cyl Flg	PSIG	237.66	457.13
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	474.86	684.90
Disch. Line Pressure	PSIG		680.00
Ratio of Compression		1.940	1.483
Adiabatic Disch. Temp.	F	207.34	172.46
Est Actual Disch Temp	F	225.14	185.55
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	292.0	152.1
CAPACITY ACTUAL WET	MMSCFD	6.63	6.61
CAPACITY ACTUAL DRY	MMSCFD	6.58	6.58
TOTAL COMPRESSOR POWER	HP	464.26	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	282.5	167.1
Capacity Wet/ Cylinder	MMSCFD	6.63	6.61
HE Disch. Vol. Eff.	%	28.58	66.56
CE Disch. Vol. Eff.	%	50.79	66.19
HE Inlet Vol. Eff.	%	48.15	90.39
CE Inlet Vol. Eff.	%	85.56	89.89
Avg. Inlet Vol. Eff.	%	66.85	90.14
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	20242	6200
Internal Gas Load - C	LBF	-22149	-10506
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15407	25329
Combined Rod Load - C	LBF	-21866	-23040
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.269	1.283
Avg. Vol. Expon. (N)		1.271	1.288
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.974	0.951
Z Discharge		0.974	0.952
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	250.00	
Inlet Press. @ Cyl Flg	PSIG	247.57	473.54
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	491.89	684.90
Disch. Line Pressure	PSIG		680.00
Ratio of Compression		1.932	1.433
Adiabatic Disch. Temp.	F	206.88	167.88
Est Actual Disch Temp	F	224.53	180.90
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	293.3	153.4
CAPACITY ACTUAL WET	MMSCFD	6.93	6.91
CAPACITY ACTUAL DRY	MMSCFD	6.88	6.88
TOTAL COMPRESSOR POWER	HP	469.18	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	293.0	161.5
Capacity Wet/ Cylinder	MMSCFD	6.93	6.91
HE Disch. Vol. Eff.	%	28.96	68.92
CE Disch. Vol. Eff.	%	51.05	68.58
HE Inlet Vol. Eff.	%	48.60	91.12
CE Inlet Vol. Eff.	%	85.67	90.67
Avg. Inlet Vol. Eff.	%	67.14	90.90
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	20854	5742
Internal Gas Load - C	LBF	-22825	-10099
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16103	25767
Combined Rod Load - C	LBF	-21991	-23145
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
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DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.270	1.284
Avg. Vol. Expon. (N)		1.272	1.289
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.973	0.949
Z Discharge		0.973	0.950
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	260.00	
Inlet Press. @ Cyl Flg	PSIG	257.48	489.89
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	508.86	684.90
Disch. Line Pressure	PSIG		680.00
Ratio of Compression		1.924	1.386
Adiabatic Disch. Temp.	F	206.43	163.47
Est Actual Disch Temp	F	223.95	176.42
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	294.5	154.6
CAPACITY ACTUAL WET	MMSCFD	7.23	7.21
CAPACITY ACTUAL DRY	MMSCFD	7.18	7.18
TOTAL COMPRESSOR POWER	HP	473.53	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	303.5	155.4
Capacity Wet/ Cylinder	MMSCFD	7.23	7.21
HE Disch. Vol. Eff.	%	29.32	71.25
CE Disch. Vol. Eff.	%	51.30	70.94
HE Inlet Vol. Eff.	%	49.04	91.81
CE Inlet Vol. Eff.	%	85.79	91.40
Avg. Inlet Vol. Eff.	%	67.41	91.61
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	21461	5284
Internal Gas Load - C	LBF	-23495	-9691
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16837	26071
Combined Rod Load - C	LBF	-22116	-23348
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
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DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.270	1.285
Avg. Vol. Expon. (N)		1.273	1.290
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.972	0.947
Z Discharge		0.973	0.948
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	270.00	
Inlet Press. @ Cyl Flg	PSIG	267.39	506.16
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	525.74	684.90
Disch. Line Pressure	PSIG		680.00
Ratio of Compression		1.916	1.343
Adiabatic Disch. Temp.	F	206.00	159.22
Est Actual Disch Temp	F	223.39	172.09
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	295.7	155.7
CAPACITY ACTUAL WET	MMSCFD	7.53	7.51
CAPACITY ACTUAL DRY	MMSCFD	7.48	7.48
TOTAL COMPRESSOR POWER	HP	477.33	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	314.0	148.7
Capacity Wet/ Cylinder	MMSCFD	7.53	7.51
HE Disch. Vol. Eff.	%	29.68	73.56
CE Disch. Vol. Eff.	%	51.54	73.27
HE Inlet Vol. Eff.	%	49.46	92.45
CE Inlet Vol. Eff.	%	85.89	92.10
Avg. Inlet Vol. Eff.	%	67.68	92.27
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	22061	4826
Internal Gas Load - C	LBF	-24315	-9283
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17634	26064
Combined Rod Load - C	LBF	-22241	-23439
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.271	1.286
Avg. Vol. Expon. (N)		1.274	1.291
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.970	0.946
Z Discharge		0.972	0.946
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	280.00	
Inlet Press. @ Cyl Flg	PSIG	277.30	522.49
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	542.68	684.90
Disch. Line Pressure	PSIG		680.00
Ratio of Compression		1.909	1.302
Adiabatic Disch. Temp.	F	205.62	155.10
Est Actual Disch Temp	F	222.88	167.85
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	296.8	156.8
CAPACITY ACTUAL WET	MMSCFD	7.83	7.81
CAPACITY ACTUAL DRY	MMSCFD	7.78	7.78
TOTAL COMPRESSOR POWER	HP	480.56	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	324.5	141.5
Capacity Wet/ Cylinder	MMSCFD	7.83	7.81
HE Disch. Vol. Eff.	%	30.01	75.86
CE Disch. Vol. Eff.	%	51.76	75.60
HE Inlet Vol. Eff.	%	49.85	93.07
CE Inlet Vol. Eff.	%	85.99	92.75
Avg. Inlet Vol. Eff.	%	67.92	92.91
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	22667	4364
Internal Gas Load - C	LBF	-25185	-8870
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	18430	26488
Combined Rod Load - C	LBF	-22366	-23530
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	155.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.271	1.287
Avg. Vol. Expon. (N)		1.274	1.293
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.969	0.944
Z Discharge		0.971	0.945
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	290.00	
Inlet Press. @ Cyl Flg	PSIG	287.21	538.69
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	559.50	684.90
Disch. Line Pressure	PSIG		680.00
Ratio of Compression		1.902	1.264
Adiabatic Disch. Temp.	F	205.24	151.14
Est Actual Disch Temp	F	222.38	163.75
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	297.9	157.8
CAPACITY ACTUAL WET	MMSCFD	8.13	8.11
CAPACITY ACTUAL DRY	MMSCFD	8.09	8.08
TOTAL COMPRESSOR POWER	HP	483.25	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	334.9	133.7
Capacity Wet/ Cylinder	MMSCFD	8.13	8.11
HE Disch. Vol. Eff.	%	30.34	78.12
CE Disch. Vol. Eff.	%	51.99	77.89
HE Inlet Vol. Eff.	%	50.24	93.66
CE Inlet Vol. Eff.	%	86.09	93.38
Avg. Inlet Vol. Eff.	%	68.16	93.52
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	23263	3903
Internal Gas Load - C	LBF	-26058	-8458
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	19234	26909
Combined Rod Load - C	LBF	-22491	-23658
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	155.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.272	1.288
Avg. Vol. Expon. (N)		1.275	1.294
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.968	0.942
Z Discharge		0.970	0.943
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	300.00	
Inlet Press. @ Cyl Flg	PSIG	297.11	554.93
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	576.34	684.90
Disch. Line Pressure	PSIG		680.00
Ratio of Compression		1.895	1.228
Adiabatic Disch. Temp.	F	204.89	147.29
Est Actual Disch Temp	F	221.92	159.73
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	298.9	158.8
CAPACITY ACTUAL WET	MMSCFD	8.43	8.41
CAPACITY ACTUAL DRY	MMSCFD	8.39	8.39
TOTAL COMPRESSOR POWER	HP	485.39	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	345.3	125.4
Capacity Wet/ Cylinder	MMSCFD	8.44	8.41
HE Disch. Vol. Eff.	%	30.64	80.37
CE Disch. Vol. Eff.	%	52.20	80.17
HE Inlet Vol. Eff.	%	50.60	94.22
CE Inlet Vol. Eff.	%	86.18	93.97
Avg. Inlet Vol. Eff.	%	68.39	94.10
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	23862	3438
Internal Gas Load - C	LBF	-26780	-8041
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	20039	26968
Combined Rod Load - C	LBF	-22617	-23738
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.267	1.277
Avg. Vol. Expon. (N)		1.268	1.283
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.979	0.959
Z Discharge		0.979	0.961
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	200.00	
Inlet Press. @ Cyl Flg	PSIG	198.03	392.13
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	407.42	694.98
Disch. Line Pressure	PSIG		690.00
Ratio of Compression		1.984	1.744
Adiabatic Disch. Temp.	F	209.93	194.41
Est Actual Disch Temp	F	228.39	207.64
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	285.3	145.7
CAPACITY ACTUAL WET	MMSCFD	5.44	5.42
CAPACITY ACTUAL DRY	MMSCFD	5.40	5.40
TOTAL COMPRESSOR POWER	HP	442.11	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	240.4	187.1
Capacity Wet/ Cylinder	MMSCFD	5.44	5.42
HE Disch. Vol. Eff.	%	26.66	56.19
CE Disch. Vol. Eff.	%	49.48	55.69
HE Inlet Vol. Eff.	%	45.77	86.69
CE Inlet Vol. Eff.	%	84.95	85.93
Avg. Inlet Vol. Eff.	%	65.36	86.31
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	17620	8267
Internal Gas Load - C	LBF	-19514	-12429
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15272	23660
Combined Rod Load - C	LBF	-21368	-22110
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	170.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
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DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.267	1.278
Avg. Vol. Expon. (N)		1.269	1.284
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.978	0.957
Z Discharge		0.978	0.959
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	210.00	
Inlet Press. @ Cyl Flg	PSIG	207.94	408.59
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	424.50	694.98
Disch. Line Pressure	PSIG		690.00
Ratio of Compression		1.973	1.677
Adiabatic Disch. Temp.	F	209.26	189.05
Est Actual Disch Temp	F	227.54	202.26
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	287.1	147.3
CAPACITY ACTUAL WET	MMSCFD	5.73	5.71
CAPACITY ACTUAL DRY	MMSCFD	5.69	5.69
TOTAL COMPRESSOR POWER	HP	449.74	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	251.0	184.1
Capacity Wet/ Cylinder	MMSCFD	5.73	5.71
HE Disch. Vol. Eff.	%	27.16	58.60
CE Disch. Vol. Eff.	%	49.82	58.14
HE Inlet Vol. Eff.	%	46.39	87.64
CE Inlet Vol. Eff.	%	85.11	86.94
Avg. Inlet Vol. Eff.	%	65.75	87.29
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	18256	7825
Internal Gas Load - C	LBF	-20190	-12024
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14729	24112
Combined Rod Load - C	LBF	-21492	-22519
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	170.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
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DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.268	1.280
Avg. Vol. Expon. (N)		1.269	1.285
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.977	0.955
Z Discharge		0.977	0.957
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	220.00	
Inlet Press. @ Cyl Flg	PSIG	217.85	425.04
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	441.57	694.98
Disch. Line Pressure	PSIG		690.00
Ratio of Compression		1.962	1.614
Adiabatic Disch. Temp.	F	208.65	183.90
Est Actual Disch Temp	F	226.76	197.08
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	288.7	148.8
CAPACITY ACTUAL WET	MMSCFD	6.03	6.01
CAPACITY ACTUAL DRY	MMSCFD	5.98	5.98
TOTAL COMPRESSOR POWER	HP	456.72	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	261.6	180.5
Capacity Wet/ Cylinder	MMSCFD	6.03	6.01
HE Disch. Vol. Eff.	%	27.62	61.00
CE Disch. Vol. Eff.	%	50.13	60.56
HE Inlet Vol. Eff.	%	46.97	88.52
CE Inlet Vol. Eff.	%	85.26	87.89
Avg. Inlet Vol. Eff.	%	66.11	88.21
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	18961	7369
Internal Gas Load - C	LBF	-20866	-11618
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14191	24563
Combined Rod Load - C	LBF	-21617	-22639
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.268	1.281
Avg. Vol. Expon. (N)		1.270	1.286
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.976	0.954
Z Discharge		0.976	0.955
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	230.00	
Inlet Press. @ Cyl Flg	PSIG	227.76	441.53
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	458.68	694.98
Disch. Line Pressure	PSIG		690.00
Ratio of Compression		1.952	1.556
Adiabatic Disch. Temp.	F	208.10	178.95
Est Actual Disch Temp	F	226.06	192.09
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	290.1	150.3
CAPACITY ACTUAL WET	MMSCFD	6.32	6.30
CAPACITY ACTUAL DRY	MMSCFD	6.28	6.28
TOTAL COMPRESSOR POWER	HP	463.06	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	272.2	176.3
Capacity Wet/ Cylinder	MMSCFD	6.32	6.30
HE Disch. Vol. Eff.	%	28.04	63.38
CE Disch. Vol. Eff.	%	50.42	62.97
HE Inlet Vol. Eff.	%	47.48	89.35
CE Inlet Vol. Eff.	%	85.39	88.78
Avg. Inlet Vol. Eff.	%	66.44	89.06
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	19669	6911
Internal Gas Load - C	LBF	-21547	-11211
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14747	24874
Combined Rod Load - C	LBF	-21742	-22760
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.269	1.282
Avg. Vol. Expon. (N)		1.271	1.287
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.975	0.952
Z Discharge		0.975	0.953
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	240.00	
Inlet Press. @ Cyl Flg	PSIG	237.66	457.85
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	475.61	694.98
Disch. Line Pressure	PSIG		690.00
Ratio of Compression		1.943	1.502
Adiabatic Disch. Temp.	F	207.56	174.22
Est Actual Disch Temp	F	225.36	187.33
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	291.6	151.6
CAPACITY ACTUAL WET	MMSCFD	6.62	6.60
CAPACITY ACTUAL DRY	MMSCFD	6.57	6.57
TOTAL COMPRESSOR POWER	HP	468.80	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	282.7	171.5
Capacity Wet/ Cylinder	MMSCFD	6.62	6.60
HE Disch. Vol. Eff.	%	28.46	65.71
CE Disch. Vol. Eff.	%	50.71	65.33
HE Inlet Vol. Eff.	%	48.00	90.12
CE Inlet Vol. Eff.	%	85.52	89.60
Avg. Inlet Vol. Eff.	%	66.76	89.86
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	20301	6457
Internal Gas Load - C	LBF	-22213	-10808
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15438	25148
Combined Rod Load - C	LBF	-21866	-23046
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	170.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.269	1.283
Avg. Vol. Expon. (N)		1.271	1.288
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.974	0.951
Z Discharge		0.974	0.952
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	250.00	
Inlet Press. @ Cyl Flg	PSIG	247.57	474.26
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	492.64	694.98
Disch. Line Pressure	PSIG		690.00
Ratio of Compression		1.934	1.451
Adiabatic Disch. Temp.	F	207.08	169.64
Est Actual Disch Temp	F	224.74	182.69
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	292.9	152.9
CAPACITY ACTUAL WET	MMSCFD	6.92	6.90
CAPACITY ACTUAL DRY	MMSCFD	6.87	6.87
TOTAL COMPRESSOR POWER	HP	473.95	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	293.2	166.1
Capacity Wet/ Cylinder	MMSCFD	6.92	6.90
HE Disch. Vol. Eff.	%	28.84	68.04
CE Disch. Vol. Eff.	%	50.97	67.69
HE Inlet Vol. Eff.	%	48.46	90.86
CE Inlet Vol. Eff.	%	85.64	90.39
Avg. Inlet Vol. Eff.	%	67.05	90.62
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	20912	5999
Internal Gas Load - C	LBF	-22888	-10401
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16134	25585
Combined Rod Load - C	LBF	-21991	-23150
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.270	1.284
Avg. Vol. Expon. (N)		1.272	1.290
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.973	0.949
Z Discharge		0.973	0.950
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	260.00	
Inlet Press. @ Cyl Flg	PSIG	257.48	490.60
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	509.59	694.98
Disch. Line Pressure	PSIG		690.00
Ratio of Compression		1.926	1.404
Adiabatic Disch. Temp.	F	206.63	165.23
Est Actual Disch Temp	F	224.15	178.22
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	294.1	154.1
CAPACITY ACTUAL WET	MMSCFD	7.22	7.19
CAPACITY ACTUAL DRY	MMSCFD	7.17	7.17
TOTAL COMPRESSOR POWER	HP	478.52	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	303.7	160.2
Capacity Wet/ Cylinder	MMSCFD	7.22	7.19
HE Disch. Vol. Eff.	%	29.21	70.35
CE Disch. Vol. Eff.	%	51.22	70.02
HE Inlet Vol. Eff.	%	48.91	91.55
CE Inlet Vol. Eff.	%	85.75	91.12
Avg. Inlet Vol. Eff.	%	67.33	91.33
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	21518	5542
Internal Gas Load - C	LBF	-23557	-9994
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16827	26020
Combined Rod Load - C	LBF	-22116	-23254
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
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DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.270	1.285
Avg. Vol. Expon. (N)		1.273	1.291
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.972	0.947
Z Discharge		0.973	0.948
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	270.00	
Inlet Press. @ Cyl Flg	PSIG	267.39	507.01
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	526.62	694.98
Disch. Line Pressure	PSIG		690.00
Ratio of Compression		1.919	1.360
Adiabatic Disch. Temp.	F	206.23	160.95
Est Actual Disch Temp	F	223.62	173.86
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	295.3	155.2
CAPACITY ACTUAL WET	MMSCFD	7.52	7.50
CAPACITY ACTUAL DRY	MMSCFD	7.47	7.47
TOTAL COMPRESSOR POWER	HP	482.53	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	314.3	153.6
Capacity Wet/ Cylinder	MMSCFD	7.52	7.50
HE Disch. Vol. Eff.	%	29.55	72.64
CE Disch. Vol. Eff.	%	51.45	72.35
HE Inlet Vol. Eff.	%	49.31	92.20
CE Inlet Vol. Eff.	%	85.86	91.83
Avg. Inlet Vol. Eff.	%	67.58	92.01
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	22130	5081
Internal Gas Load - C	LBF	-24315	-9583
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17602	26043
Combined Rod Load - C	LBF	-22241	-23445
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.271	1.286
Avg. Vol. Expon. (N)		1.274	1.292
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.970	0.946
Z Discharge		0.972	0.946
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	280.00	
Inlet Press. @ Cyl Flg	PSIG	277.30	523.26
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	543.48	694.98
Disch. Line Pressure	PSIG		690.00
Ratio of Compression		1.912	1.319
Adiabatic Disch. Temp.	F	205.82	156.85
Est Actual Disch Temp	F	223.09	169.66
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	296.4	156.3
CAPACITY ACTUAL WET	MMSCFD	7.82	7.80
CAPACITY ACTUAL DRY	MMSCFD	7.77	7.77
TOTAL COMPRESSOR POWER	HP	486.00	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	324.7	146.7
Capacity Wet/ Cylinder	MMSCFD	7.82	7.80
HE Disch. Vol. Eff.	%	29.89	74.90
CE Disch. Vol. Eff.	%	51.68	74.63
HE Inlet Vol. Eff.	%	49.72	92.82
CE Inlet Vol. Eff.	%	85.96	92.49
Avg. Inlet Vol. Eff.	%	67.84	92.65
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	22729	4623
Internal Gas Load - C	LBF	-25186	-9174
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	18401	26284
Combined Rod Load - C	LBF	-22366	-23535
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	155.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.271	1.287
Avg. Vol. Expon. (N)		1.274	1.293
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.969	0.944
Z Discharge		0.971	0.945
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	290.00	
Inlet Press. @ Cyl Flg	PSIG	287.21	539.57
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	560.40	694.98
Disch. Line Pressure	PSIG		690.00
Ratio of Compression		1.905	1.280
Adiabatic Disch. Temp.	F	205.46	152.87
Est Actual Disch Temp	F	222.61	165.55
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	297.4	157.4
CAPACITY ACTUAL WET	MMSCFD	8.12	8.10
CAPACITY ACTUAL DRY	MMSCFD	8.08	8.08
TOTAL COMPRESSOR POWER	HP	488.92	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	335.2	139.1
Capacity Wet/ Cylinder	MMSCFD	8.12	8.10
HE Disch. Vol. Eff.	%	30.21	77.16
CE Disch. Vol. Eff.	%	51.90	76.91
HE Inlet Vol. Eff.	%	50.09	93.41
CE Inlet Vol. Eff.	%	86.06	93.12
Avg. Inlet Vol. Eff.	%	68.07	93.26
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	23333	4160
Internal Gas Load - C	LBF	-26058	-8761
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	19201	26708
Combined Rod Load - C	LBF	-22491	-23626
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	155.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.272	1.288
Avg. Vol. Expon. (N)		1.275	1.294
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.968	0.942
Z Discharge		0.970	0.943
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	300.00	
Inlet Press. @ Cyl Flg	PSIG	297.11	555.72
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	577.16	694.98
Disch. Line Pressure	PSIG		690.00
Ratio of Compression		1.898	1.244
Adiabatic Disch. Temp.	F	205.09	149.03
Est Actual Disch Temp	F	222.12	161.57
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	298.5	158.3
CAPACITY ACTUAL WET	MMSCFD	8.43	8.40
CAPACITY ACTUAL DRY	MMSCFD	8.38	8.38
TOTAL COMPRESSOR POWER	HP	491.32	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	345.6	131.1
Capacity Wet/ Cylinder	MMSCFD	8.43	8.40
HE Disch. Vol. Eff.	%	30.53	79.37
CE Disch. Vol. Eff.	%	52.12	79.15
HE Inlet Vol. Eff.	%	50.47	93.97
CE Inlet Vol. Eff.	%	86.15	93.71
Avg. Inlet Vol. Eff.	%	68.31	93.84
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	23925	3699
Internal Gas Load - C	LBF	-26850	-8347
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	20009	26967
Combined Rod Load - C	LBF	-22617	-23743
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.267	1.277
Avg. Vol. Expon. (N)		1.268	1.283
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.979	0.959
Z Discharge		0.979	0.961
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	200.00	
Inlet Press. @ Cyl Flg	PSIG	198.03	392.77
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	408.09	705.05
Disch. Line Pressure	PSIG		700.00
Ratio of Compression		1.987	1.766
Adiabatic Disch. Temp.	F	210.15	196.16
Est Actual Disch Temp	F	228.61	209.41
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	284.9	145.1
CAPACITY ACTUAL WET	MMSCFD	5.43	5.41
CAPACITY ACTUAL DRY	MMSCFD	5.39	5.39
TOTAL COMPRESSOR POWER	HP	445.72	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	240.6	190.5
Capacity Wet/ Cylinder	MMSCFD	5.43	5.41
HE Disch. Vol. Eff.	%	26.54	55.45
CE Disch. Vol. Eff.	%	49.40	54.95
HE Inlet Vol. Eff.	%	45.62	86.40
CE Inlet Vol. Eff.	%	84.91	85.62
Avg. Inlet Vol. Eff.	%	65.27	86.01
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	17672	8525
Internal Gas Load - C	LBF	-19571	-12731
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15225	23500
Combined Rod Load - C	LBF	-21368	-22116
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	170.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.267	1.278
Avg. Vol. Expon. (N)		1.269	1.284
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.978	0.957
Z Discharge		0.978	0.959
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	210.00	
Inlet Press. @ Cyl Flg	PSIG	207.94	409.27
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	425.21	705.05
Disch. Line Pressure	PSIG		700.00
Ratio of Compression		1.976	1.698
Adiabatic Disch. Temp.	F	209.48	190.79
Est Actual Disch Temp	F	227.77	204.01
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	286.6	146.8
CAPACITY ACTUAL WET	MMSCFD	5.72	5.70
CAPACITY ACTUAL DRY	MMSCFD	5.68	5.68
TOTAL COMPRESSOR POWER	HP	453.57	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	251.2	187.7
Capacity Wet/ Cylinder	MMSCFD	5.72	5.70
HE Disch. Vol. Eff.	%	27.03	57.85
CE Disch. Vol. Eff.	%	49.73	57.38
HE Inlet Vol. Eff.	%	46.24	87.35
CE Inlet Vol. Eff.	%	85.07	86.64
Avg. Inlet Vol. Eff.	%	65.65	86.99
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	18286	8082
Internal Gas Load - C	LBF	-20251	-12325
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14678	23953
Combined Rod Load - C	LBF	-21493	-22481
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	170.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
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DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.268	1.279
Avg. Vol. Expon. (N)		1.269	1.285
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.977	0.955
Z Discharge		0.977	0.957
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	220.00	
Inlet Press. @ Cyl Flg	PSIG	217.85	425.77
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	442.33	705.05
Disch. Line Pressure	PSIG		700.00
Ratio of Compression		1.965	1.634
Adiabatic Disch. Temp.	F	208.88	185.63
Est Actual Disch Temp	F	227.00	198.82
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	288.2	148.4
CAPACITY ACTUAL WET	MMSCFD	6.02	6.00
CAPACITY ACTUAL DRY	MMSCFD	5.97	5.97
TOTAL COMPRESSOR POWER	HP	460.76	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	261.8	184.3
Capacity Wet/ Cylinder	MMSCFD	6.02	6.00
HE Disch. Vol. Eff.	%	27.48	60.22
CE Disch. Vol. Eff.	%	50.04	59.78
HE Inlet Vol. Eff.	%	46.80	88.24
CE Inlet Vol. Eff.	%	85.22	87.59
Avg. Inlet Vol. Eff.	%	66.01	87.92
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	18994	7624
Internal Gas Load - C	LBF	-20931	-11918
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14138	24406
Combined Rod Load - C	LBF	-21617	-22645
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
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DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.268	1.281
Avg. Vol. Expon. (N)		1.270	1.286
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.976	0.954
Z Discharge		0.976	0.955
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	230.00	
Inlet Press. @ Cyl Flg	PSIG	227.76	442.26
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	459.43	705.05
Disch. Line Pressure	PSIG		700.00
Ratio of Compression		1.956	1.575
Adiabatic Disch. Temp.	F	208.32	180.68
Est Actual Disch Temp	F	226.29	193.84
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	289.7	149.8
CAPACITY ACTUAL WET	MMSCFD	6.31	6.29
CAPACITY ACTUAL DRY	MMSCFD	6.27	6.27
TOTAL COMPRESSOR POWER	HP	467.32	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	272.4	180.3
Capacity Wet/ Cylinder	MMSCFD	6.31	6.29
HE Disch. Vol. Eff.	%	27.91	62.57
CE Disch. Vol. Eff.	%	50.33	62.16
HE Inlet Vol. Eff.	%	47.33	89.08
CE Inlet Vol. Eff.	%	85.35	88.48
Avg. Inlet Vol. Eff.	%	66.34	88.78
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	19701	7167
Internal Gas Load - C	LBF	-21611	-11512
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14779	24859
Combined Rod Load - C	LBF	-21742	-22766
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.269	1.282
Avg. Vol. Expon. (N)		1.271	1.288
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.975	0.952
Z Discharge		0.975	0.953
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	240.00	
Inlet Press. @ Cyl Flg	PSIG	237.66	458.64
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	476.43	705.05
Disch. Line Pressure	PSIG		700.00
Ratio of Compression		1.946	1.521
Adiabatic Disch. Temp.	F	207.79	175.94
Est Actual Disch Temp	F	225.60	189.06
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	291.1	151.2
CAPACITY ACTUAL WET	MMSCFD	6.61	6.59
CAPACITY ACTUAL DRY	MMSCFD	6.57	6.57
TOTAL COMPRESSOR POWER	HP	473.27	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	282.9	175.7
Capacity Wet/ Cylinder	MMSCFD	6.61	6.59
HE Disch. Vol. Eff.	%	28.33	64.89
CE Disch. Vol. Eff.	%	50.62	64.50
HE Inlet Vol. Eff.	%	47.84	89.86
CE Inlet Vol. Eff.	%	85.48	89.32
Avg. Inlet Vol. Eff.	%	66.66	89.59
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	20364	6711
Internal Gas Load - C	LBF	-22283	-11107
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15472	24969
Combined Rod Load - C	LBF	-21866	-23051
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.269	1.283
Avg. Vol. Expon. (N)		1.271	1.289
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.974	0.950
Z Discharge		0.974	0.952
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	250.00	
Inlet Press. @ Cyl Flg	PSIG	247.57	475.04
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	493.45	705.05
Disch. Line Pressure	PSIG		700.00
Ratio of Compression		1.937	1.470
Adiabatic Disch. Temp.	F	207.30	171.36
Est Actual Disch Temp	F	224.97	184.44
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	292.5	152.4
CAPACITY ACTUAL WET	MMSCFD	6.91	6.89
CAPACITY ACTUAL DRY	MMSCFD	6.86	6.86
TOTAL COMPRESSOR POWER	HP	478.63	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	293.5	170.5
Capacity Wet/ Cylinder	MMSCFD	6.91	6.89
HE Disch. Vol. Eff.	%	28.72	67.20
CE Disch. Vol. Eff.	%	50.88	66.83
HE Inlet Vol. Eff.	%	48.31	90.59
CE Inlet Vol. Eff.	%	85.60	90.11
Avg. Inlet Vol. Eff.	%	66.96	90.35
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	20974	6254
Internal Gas Load - C	LBF	-22956	-10701
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16168	25405
Combined Rod Load - C	LBF	-21991	-23156
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.270	1.284
Avg. Vol. Expon. (N)		1.272	1.290
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.973	0.949
Z Discharge		0.973	0.950
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	260.00	
Inlet Press. @ Cyl Flg	PSIG	257.48	491.37
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	510.40	705.05
Disch. Line Pressure	PSIG		700.00
Ratio of Compression		1.929	1.422
Adiabatic Disch. Temp.	F	206.84	166.96
Est Actual Disch Temp	F	224.37	179.98
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	293.7	153.7
CAPACITY ACTUAL WET	MMSCFD	7.21	7.19
CAPACITY ACTUAL DRY	MMSCFD	7.16	7.16
TOTAL COMPRESSOR POWER	HP	483.42	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	304.0	164.8
Capacity Wet/ Cylinder	MMSCFD	7.21	7.19
HE Disch. Vol. Eff.	%	29.09	69.47
CE Disch. Vol. Eff.	%	51.14	69.14
HE Inlet Vol. Eff.	%	48.76	91.29
CE Inlet Vol. Eff.	%	85.72	90.85
Avg. Inlet Vol. Eff.	%	67.24	91.07
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	21580	5798
Internal Gas Load - C	LBF	-23625	-10295
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16861	25841
Combined Rod Load - C	LBF	-22116	-23260
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.270	1.285
Avg. Vol. Expon. (N)		1.273	1.291
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.972	0.947
Z Discharge		0.973	0.948
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	270.00	
Inlet Press. @ Cyl Flg	PSIG	267.39	507.71
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	527.34	705.05
Disch. Line Pressure	PSIG		700.00
Ratio of Compression		1.922	1.378
Adiabatic Disch. Temp.	F	206.41	162.70
Est Actual Disch Temp	F	223.81	175.65
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	294.9	154.8
CAPACITY ACTUAL WET	MMSCFD	7.51	7.49
CAPACITY ACTUAL DRY	MMSCFD	7.46	7.46
TOTAL COMPRESSOR POWER	HP	487.66	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	314.5	158.6
Capacity Wet/ Cylinder	MMSCFD	7.51	7.49
HE Disch. Vol. Eff.	%	29.44	71.73
CE Disch. Vol. Eff.	%	51.38	71.43
HE Inlet Vol. Eff.	%	49.18	91.95
CE Inlet Vol. Eff.	%	85.83	91.55
Avg. Inlet Vol. Eff.	%	67.51	91.75
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	22186	5340
Internal Gas Load - C	LBF	-24315	-9887
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17575	26043
Combined Rod Load - C	LBF	-22241	-23449
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.271	1.286
Avg. Vol. Expon. (N)		1.274	1.292
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.970	0.946
Z Discharge		0.972	0.946
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	280.00	
Inlet Press. @ Cyl Flg	PSIG	277.30	524.03
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	544.28	705.05
Disch. Line Pressure	PSIG		700.00
Ratio of Compression		1.914	1.336
Adiabatic Disch. Temp.	F	206.02	158.58
Est Actual Disch Temp	F	223.29	171.44
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	296.0	155.9
CAPACITY ACTUAL WET	MMSCFD	7.81	7.79
CAPACITY ACTUAL DRY	MMSCFD	7.76	7.76
TOTAL COMPRESSOR POWER	HP	491.35	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	325.0	151.8
Capacity Wet/ Cylinder	MMSCFD	7.81	7.79
HE Disch. Vol. Eff.	%	29.78	73.98
CE Disch. Vol. Eff.	%	51.61	73.70
HE Inlet Vol. Eff.	%	49.58	92.57
CE Inlet Vol. Eff.	%	85.93	92.22
Avg. Inlet Vol. Eff.	%	67.76	92.39
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	22791	4881
Internal Gas Load - C	LBF	-25186	-9477
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	18372	26079
Combined Rod Load - C	LBF	-22366	-23540
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
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DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.271	1.287
Avg. Vol. Expon. (N)		1.274	1.293
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.969	0.944
Z Discharge		0.971	0.945
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	290.00	
Inlet Press. @ Cyl Flg	PSIG	287.21	540.33
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	561.19	705.05
Disch. Line Pressure	PSIG		700.00
Ratio of Compression		1.908	1.297
Adiabatic Disch. Temp.	F	205.65	154.60
Est Actual Disch Temp	F	222.80	167.34
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	297.1	156.9
CAPACITY ACTUAL WET	MMSCFD	8.11	8.09
CAPACITY ACTUAL DRY	MMSCFD	8.07	8.07
TOTAL COMPRESSOR POWER	HP	494.51	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	335.5	144.4
Capacity Wet/ Cylinder	MMSCFD	8.11	8.09
HE Disch. Vol. Eff.	%	30.10	76.20
CE Disch. Vol. Eff.	%	51.82	75.95
HE Inlet Vol. Eff.	%	49.96	93.16
CE Inlet Vol. Eff.	%	86.02	92.85
Avg. Inlet Vol. Eff.	%	67.99	93.01
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	23394	4419
Internal Gas Load - C	LBF	-26059	-9065
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	19173	26503
Combined Rod Load - C	LBF	-22492	-23631
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	155.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.272	1.288
Avg. Vol. Expon. (N)		1.275	1.294
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.968	0.942
Z Discharge		0.970	0.943
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	300.00	
Inlet Press. @ Cyl Flg	PSIG	297.11	556.51
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	577.98	705.05
Disch. Line Pressure	PSIG		700.00
Ratio of Compression		1.901	1.260
Adiabatic Disch. Temp.	F	205.28	150.76
Est Actual Disch Temp	F	222.31	163.37
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	298.1	157.9
CAPACITY ACTUAL WET	MMSCFD	8.42	8.39
CAPACITY ACTUAL DRY	MMSCFD	8.37	8.37
TOTAL COMPRESSOR POWER	HP	497.14	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	345.9	136.6
Capacity Wet/ Cylinder	MMSCFD	8.42	8.39
HE Disch. Vol. Eff.	%	30.42	78.40
CE Disch. Vol. Eff.	%	52.04	78.17
HE Inlet Vol. Eff.	%	50.34	93.73
CE Inlet Vol. Eff.	%	86.12	93.45
Avg. Inlet Vol. Eff.	%	68.23	93.59
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	23988	3959
Internal Gas Load - C	LBF	-26920	-8653
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	19980	26923
Combined Rod Load - C	LBF	-22617	-23747
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	155.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.267	1.277
Avg. Vol. Expon. (N)		1.268	1.283
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.979	0.959
Z Discharge		0.979	0.961
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	200.00	
Inlet Press. @ Cyl Flg	PSIG	198.03	393.52
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	408.87	715.12
Disch. Line Pressure	PSIG		710.00
Ratio of Compression		1.991	1.788
Adiabatic Disch. Temp.	F	210.40	197.86
Est Actual Disch Temp	F	228.88	211.11
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	284.4	144.6
CAPACITY ACTUAL WET	MMSCFD	5.42	5.40
CAPACITY ACTUAL DRY	MMSCFD	5.38	5.38
TOTAL COMPRESSOR POWER	HP	449.28	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	240.8	193.9
Capacity Wet/ Cylinder	MMSCFD	5.42	5.40
HE Disch. Vol. Eff.	%	26.39	54.76
CE Disch. Vol. Eff.	%	49.30	54.25
HE Inlet Vol. Eff.	%	45.44	86.11
CE Inlet Vol. Eff.	%	84.87	85.31
Avg. Inlet Vol. Eff.	%	65.15	85.71
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	17732	8779
Internal Gas Load - C	LBF	-19638	-13031
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15170	23343
Combined Rod Load - C	LBF	-21368	-22123
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	170.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.267	1.278
Avg. Vol. Expon. (N)		1.268	1.284
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.978	0.957
Z Discharge		0.978	0.959
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	210.00	
Inlet Press. @ Cyl Flg	PSIG	207.94	410.02
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	425.98	715.12
Disch. Line Pressure	PSIG		710.00
Ratio of Compression		1.979	1.718
Adiabatic Disch. Temp.	F	209.73	192.49
Est Actual Disch Temp	F	228.02	205.72
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	286.2	146.3
CAPACITY ACTUAL WET	MMSCFD	5.71	5.69
CAPACITY ACTUAL DRY	MMSCFD	5.67	5.67
TOTAL COMPRESSOR POWER	HP	457.34	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	251.4	191.3
Capacity Wet/ Cylinder	MMSCFD	5.71	5.69
HE Disch. Vol. Eff.	%	26.89	57.12
CE Disch. Vol. Eff.	%	49.64	56.64
HE Inlet Vol. Eff.	%	46.06	87.07
CE Inlet Vol. Eff.	%	85.03	86.34
Avg. Inlet Vol. Eff.	%	65.55	86.70
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	18340	8322
Internal Gas Load - C	LBF	-20317	-12625
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14624	23796
Combined Rod Load - C	LBF	-21493	-22360
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	170.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.268	1.279
Avg. Vol. Expon. (N)		1.269	1.286
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.977	0.955
Z Discharge		0.977	0.957
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	220.00	
Inlet Press. @ Cyl Flg	PSIG	217.85	426.51
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	443.09	715.12
Disch. Line Pressure	PSIG		710.00
Ratio of Compression		1.969	1.654
Adiabatic Disch. Temp.	F	209.11	187.34
Est Actual Disch Temp	F	227.24	200.54
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	287.8	147.9
CAPACITY ACTUAL WET	MMSCFD	6.01	5.99
CAPACITY ACTUAL DRY	MMSCFD	5.96	5.96
TOTAL COMPRESSOR POWER	HP	464.73	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	262.0	188.1
Capacity Wet/ Cylinder	MMSCFD	6.01	5.99
HE Disch. Vol. Eff.	%	27.35	59.47
CE Disch. Vol. Eff.	%	49.95	59.02
HE Inlet Vol. Eff.	%	46.64	87.97
CE Inlet Vol. Eff.	%	85.18	87.30
Avg. Inlet Vol. Eff.	%	65.91	87.63
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	19026	7880
Internal Gas Load - C	LBF	-20996	-12219
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14113	24249
Combined Rod Load - C	LBF	-21617	-22652
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
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DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.268	1.281
Avg. Vol. Expon. (N)		1.270	1.287
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.976	0.954
Z Discharge		0.976	0.955
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	230.00	
Inlet Press. @ Cyl Flg	PSIG	227.76	442.98
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	460.19	715.12
Disch. Line Pressure	PSIG		710.00
Ratio of Compression		1.959	1.595
Adiabatic Disch. Temp.	F	208.54	182.39
Est Actual Disch Temp	F	226.51	195.57
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	289.3	149.3
CAPACITY ACTUAL WET	MMSCFD	6.30	6.28
CAPACITY ACTUAL DRY	MMSCFD	6.26	6.26
TOTAL COMPRESSOR POWER	HP	471.50	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	272.6	184.3
Capacity Wet/ Cylinder	MMSCFD	6.30	6.28
HE Disch. Vol. Eff.	%	27.79	61.79
CE Disch. Vol. Eff.	%	50.25	61.37
HE Inlet Vol. Eff.	%	47.18	88.81
CE Inlet Vol. Eff.	%	85.32	88.19
Avg. Inlet Vol. Eff.	%	66.25	88.50
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	19733	7423
Internal Gas Load - C	LBF	-21675	-11813
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14810	24701
Combined Rod Load - C	LBF	-21742	-22772
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
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DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.269	1.282
Avg. Vol. Expon. (N)		1.271	1.288
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.975	0.952
Z Discharge		0.975	0.954
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	240.00	
Inlet Press. @ Cyl Flg	PSIG	237.66	459.42
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	477.24	715.12
Disch. Line Pressure	PSIG		710.00
Ratio of Compression		1.949	1.539
Adiabatic Disch. Temp.	F	208.02	177.64
Est Actual Disch Temp	F	225.84	190.78
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	290.7	150.7
CAPACITY ACTUAL WET	MMSCFD	6.60	6.58
CAPACITY ACTUAL DRY	MMSCFD	6.56	6.56
TOTAL COMPRESSOR POWER	HP	477.66	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	283.2	179.9
Capacity Wet/ Cylinder	MMSCFD	6.60	6.58
HE Disch. Vol. Eff.	%	28.20	64.09
CE Disch. Vol. Eff.	%	50.53	63.70
HE Inlet Vol. Eff.	%	47.68	89.59
CE Inlet Vol. Eff.	%	85.45	89.04
Avg. Inlet Vol. Eff.	%	66.56	89.32
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	20427	6966
Internal Gas Load - C	LBF	-22351	-11407
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15506	24860
Combined Rod Load - C	LBF	-21867	-22972
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.269	1.283
Avg. Vol. Expon. (N)		1.271	1.289
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.974	0.950
Z Discharge		0.974	0.952
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	250.00	
Inlet Press. @ Cyl Flg	PSIG	247.57	475.81
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	494.25	715.12
Disch. Line Pressure	PSIG		710.00
Ratio of Compression		1.941	1.488
Adiabatic Disch. Temp.	F	207.52	173.06
Est Actual Disch Temp	F	225.20	186.17
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	292.0	152.0
CAPACITY ACTUAL WET	MMSCFD	6.90	6.88
CAPACITY ACTUAL DRY	MMSCFD	6.85	6.85
TOTAL COMPRESSOR POWER	HP	483.23	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	293.7	174.9
Capacity Wet/ Cylinder	MMSCFD	6.90	6.88
HE Disch. Vol. Eff.	%	28.59	66.37
CE Disch. Vol. Eff.	%	50.80	66.00
HE Inlet Vol. Eff.	%	48.16	90.34
CE Inlet Vol. Eff.	%	85.57	89.83
Avg. Inlet Vol. Eff.	%	66.86	90.08
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	21037	6510
Internal Gas Load - C	LBF	-23024	-11001
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16201	25226
Combined Rod Load - C	LBF	-21991	-23162
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.270	1.284
Avg. Vol. Expon. (N)		1.272	1.290
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.973	0.949
Z Discharge		0.973	0.950
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	260.00	
Inlet Press. @ Cyl Flg	PSIG	257.48	492.14
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	511.20	715.12
Disch. Line Pressure	PSIG		710.00
Ratio of Compression		1.932	1.440
Adiabatic Disch. Temp.	F	207.05	168.66
Est Actual Disch Temp	F	224.59	181.71
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	293.3	153.2
CAPACITY ACTUAL WET	MMSCFD	7.20	7.18
CAPACITY ACTUAL DRY	MMSCFD	7.15	7.15
TOTAL COMPRESSOR POWER	HP	488.24	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	304.2	169.4
Capacity Wet/ Cylinder	MMSCFD	7.20	7.18
HE Disch. Vol. Eff.	%	28.97	68.62
CE Disch. Vol. Eff.	%	51.06	68.28
HE Inlet Vol. Eff.	%	48.62	91.03
CE Inlet Vol. Eff.	%	85.68	90.58
Avg. Inlet Vol. Eff.	%	67.15	90.81
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	21642	6054
Internal Gas Load - C	LBF	-23692	-10596
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16895	25661
Combined Rod Load - C	LBF	-22116	-23266
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.270	1.285
Avg. Vol. Expon. (N)		1.273	1.291
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.972	0.947
Z Discharge		0.973	0.948
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	270.00	
Inlet Press. @ Cyl Flg	PSIG	267.39	508.47
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	528.14	715.12
Disch. Line Pressure	PSIG		710.00
Ratio of Compression		1.924	1.395
Adiabatic Disch. Temp.	F	206.62	164.41
Est Actual Disch Temp	F	224.02	177.39
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	294.5	154.4
CAPACITY ACTUAL WET	MMSCFD	7.50	7.48
CAPACITY ACTUAL DRY	MMSCFD	7.45	7.45
TOTAL COMPRESSOR POWER	HP	492.69	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	314.7	163.4
Capacity Wet/ Cylinder	MMSCFD	7.50	7.48
HE Disch. Vol. Eff.	%	29.33	70.86
CE Disch. Vol. Eff.	%	51.30	70.54
HE Inlet Vol. Eff.	%	49.05	91.69
CE Inlet Vol. Eff.	%	85.79	91.28
Avg. Inlet Vol. Eff.	%	67.42	91.49
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	22247	5597
Internal Gas Load - C	LBF	-24361	-10189
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17588	26042
Combined Rod Load - C	LBF	-22241	-23383
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.271	1.286
Avg. Vol. Expon. (N)		1.274	1.292
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.970	0.945
Z Discharge		0.972	0.946
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	280.00	
Inlet Press. @ Cyl Flg	PSIG	277.30	524.86
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	545.15	715.12
Disch. Line Pressure	PSIG		710.00
Ratio of Compression		1.917	1.353
Adiabatic Disch. Temp.	F	206.23	160.27
Est Actual Disch Temp	F	223.52	173.18
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	295.6	155.5
CAPACITY ACTUAL WET	MMSCFD	7.80	7.78
CAPACITY ACTUAL DRY	MMSCFD	7.75	7.75
TOTAL COMPRESSOR POWER	HP	496.60	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	325.2	156.7
Capacity Wet/ Cylinder	MMSCFD	7.80	7.78
HE Disch. Vol. Eff.	%	29.65	73.08
CE Disch. Vol. Eff.	%	51.52	72.79
HE Inlet Vol. Eff.	%	49.44	92.33
CE Inlet Vol. Eff.	%	85.89	91.96
Avg. Inlet Vol. Eff.	%	67.66	92.14
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	22858	5136
Internal Gas Load - C	LBF	-25187	-9779
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	18341	26014
Combined Rod Load - C	LBF	-22367	-23546
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.271	1.287
Avg. Vol. Expon. (N)		1.274	1.293
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.969	0.944
Z Discharge		0.971	0.945
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	290.00	
Inlet Press. @ Cyl Flg	PSIG	287.21	541.08
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	561.98	715.12
Disch. Line Pressure	PSIG		710.00
Ratio of Compression		1.910	1.313
Adiabatic Disch. Temp.	F	205.84	156.31
Est Actual Disch Temp	F	223.00	169.11
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	296.7	156.5
CAPACITY ACTUAL WET	MMSCFD	8.10	8.08
CAPACITY ACTUAL DRY	MMSCFD	8.06	8.06
TOTAL COMPRESSOR POWER	HP	499.99	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	335.7	149.7
Capacity Wet/ Cylinder	MMSCFD	8.10	8.08
HE Disch. Vol. Eff.	%	29.99	75.27
CE Disch. Vol. Eff.	%	51.75	75.01
HE Inlet Vol. Eff.	%	49.83	92.92
CE Inlet Vol. Eff.	%	85.99	92.59
Avg. Inlet Vol. Eff.	%	67.91	92.76
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	23455	4678
Internal Gas Load - C	LBF	-26059	-9370
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	19144	26298
Combined Rod Load - C	LBF	-22492	-23636
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
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DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.272	1.288
Avg. Vol. Expon. (N)		1.275	1.294
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.968	0.942
Z Discharge		0.970	0.943
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	300.00	
Inlet Press. @ Cyl Flg	PSIG	297.11	557.35
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	578.86	715.12
Disch. Line Pressure	PSIG		710.00
Ratio of Compression		1.904	1.276
Adiabatic Disch. Temp.	F	205.49	152.45
Est Actual Disch Temp	F	222.53	165.13
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	297.8	157.5
CAPACITY ACTUAL WET	MMSCFD	8.40	8.38
CAPACITY ACTUAL DRY	MMSCFD	8.36	8.36
TOTAL COMPRESSOR POWER	HP	502.85	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	346.2	142.1
Capacity Wet/ Cylinder	MMSCFD	8.40	8.38
HE Disch. Vol. Eff.	%	30.30	77.45
CE Disch. Vol. Eff.	%	51.96	77.21
HE Inlet Vol. Eff.	%	50.20	93.49
CE Inlet Vol. Eff.	%	86.09	93.20
Avg. Inlet Vol. Eff.	%	68.14	93.34
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	24057	4216
Internal Gas Load - C	LBF	-26933	-8957
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	19948	26721
Combined Rod Load - C	LBF	-22617	-23727
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	155.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.266	1.277
Avg. Vol. Expon. (N)		1.268	1.283
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.979	0.959
Z Discharge		0.979	0.961
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	200.00	
Inlet Press. @ Cyl Flg	PSIG	198.03	394.22
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	409.59	725.19
Disch. Line Pressure	PSIG		720.00
Ratio of Compression		1.995	1.809
Adiabatic Disch. Temp.	F	210.64	199.55
Est Actual Disch Temp	F	229.12	212.84
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	283.9	144.1
CAPACITY ACTUAL WET	MMSCFD	5.41	5.39
CAPACITY ACTUAL DRY	MMSCFD	5.37	5.37
TOTAL COMPRESSOR POWER	HP	452.84	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	240.9	197.3
Capacity Wet/ Cylinder	MMSCFD	5.41	5.39
HE Disch. Vol. Eff.	%	26.26	54.07
CE Disch. Vol. Eff.	%	49.21	53.55
HE Inlet Vol. Eff.	%	45.27	85.82
CE Inlet Vol. Eff.	%	84.83	85.00
Avg. Inlet Vol. Eff.	%	65.05	85.41
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	17788	9035
Internal Gas Load - C	LBF	-19700	-13332
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15119	23207
Combined Rod Load - C	LBF	-21369	-22130
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	170.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.267	1.278
Avg. Vol. Expon. (N)		1.268	1.285
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.978	0.957
Z Discharge		0.978	0.959
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	210.00	
Inlet Press. @ Cyl Flg	PSIG	207.94	410.76
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	426.75	725.19
Disch. Line Pressure	PSIG		720.00
Ratio of Compression		1.983	1.739
Adiabatic Disch. Temp.	F	209.96	194.17
Est Actual Disch Temp	F	228.27	207.41
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	285.7	145.8
CAPACITY ACTUAL WET	MMSCFD	5.70	5.68
CAPACITY ACTUAL DRY	MMSCFD	5.66	5.66
TOTAL COMPRESSOR POWER	HP	461.04	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	251.6	194.9
Capacity Wet/ Cylinder	MMSCFD	5.70	5.68
HE Disch. Vol. Eff.	%	26.75	56.42
CE Disch. Vol. Eff.	%	49.55	55.93
HE Inlet Vol. Eff.	%	45.89	86.79
CE Inlet Vol. Eff.	%	84.99	86.04
Avg. Inlet Vol. Eff.	%	65.44	86.41
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	18399	8577
Internal Gas Load - C	LBF	-20383	-12925
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14569	23639
Combined Rod Load - C	LBF	-21493	-22270
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.268	1.279
Avg. Vol. Expon. (N)		1.269	1.286
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.977	0.955
Z Discharge		0.977	0.957
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	220.00	
Inlet Press. @ Cyl Flg	PSIG	217.85	427.24
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	443.85	725.19
Disch. Line Pressure	PSIG		720.00
Ratio of Compression		1.972	1.674
Adiabatic Disch. Temp.	F	209.34	189.02
Est Actual Disch Temp	F	227.48	202.24
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	287.3	147.4
CAPACITY ACTUAL WET	MMSCFD	6.00	5.98
CAPACITY ACTUAL DRY	MMSCFD	5.96	5.96
TOTAL COMPRESSOR POWER	HP	468.64	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	262.2	191.8
Capacity Wet/ Cylinder	MMSCFD	6.00	5.98
HE Disch. Vol. Eff.	%	27.22	58.73
CE Disch. Vol. Eff.	%	49.87	58.27
HE Inlet Vol. Eff.	%	46.48	87.69
CE Inlet Vol. Eff.	%	85.14	87.00
Avg. Inlet Vol. Eff.	%	65.81	87.35
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	19058	8135
Internal Gas Load - C	LBF	-21061	-12519
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14145	24092
Combined Rod Load - C	LBF	-21617	-22658
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.268	1.280
Avg. Vol. Expon. (N)		1.270	1.287
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.976	0.954
Z Discharge		0.976	0.955
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	230.00	
Inlet Press. @ Cyl Flg	PSIG	227.76	443.70
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	460.93	725.19
Disch. Line Pressure	PSIG		720.00
Ratio of Compression		1.962	1.614
Adiabatic Disch. Temp.	F	208.76	184.08
Est Actual Disch Temp	F	226.74	197.27
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	288.9	148.9
CAPACITY ACTUAL WET	MMSCFD	6.29	6.27
CAPACITY ACTUAL DRY	MMSCFD	6.25	6.25
TOTAL COMPRESSOR POWER	HP	475.61	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	272.8	188.2
Capacity Wet/ Cylinder	MMSCFD	6.29	6.27
HE Disch. Vol. Eff.	%	27.66	61.03
CE Disch. Vol. Eff.	%	50.17	60.60
HE Inlet Vol. Eff.	%	47.03	88.54
CE Inlet Vol. Eff.	%	85.28	87.91
Avg. Inlet Vol. Eff.	%	66.15	88.22
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	19765	7679
Internal Gas Load - C	LBF	-21739	-12113
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14841	24544
Combined Rod Load - C	LBF	-21742	-22778
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.269	1.282
Avg. Vol. Expon. (N)		1.271	1.288
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.975	0.952
Z Discharge		0.975	0.954
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	240.00	
Inlet Press. @ Cyl Flg	PSIG	237.66	460.13
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	477.98	725.19
Disch. Line Pressure	PSIG		720.00
Ratio of Compression		1.952	1.558
Adiabatic Disch. Temp.	F	208.22	179.33
Est Actual Disch Temp	F	226.05	192.49
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	290.3	150.2
CAPACITY ACTUAL WET	MMSCFD	6.59	6.57
CAPACITY ACTUAL DRY	MMSCFD	6.55	6.55
TOTAL COMPRESSOR POWER	HP	481.98	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	283.4	184.0
Capacity Wet/ Cylinder	MMSCFD	6.59	6.57
HE Disch. Vol. Eff.	%	28.08	63.31
CE Disch. Vol. Eff.	%	50.45	62.90
HE Inlet Vol. Eff.	%	47.54	89.33
CE Inlet Vol. Eff.	%	85.41	88.75
Avg. Inlet Vol. Eff.	%	66.47	89.04
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	20471	7223
Internal Gas Load - C	LBF	-22414	-11708
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15537	24861
Combined Rod Load - C	LBF	-21867	-22899
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.269	1.283
Avg. Vol. Expon. (N)		1.271	1.289
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.974	0.950
Z Discharge		0.974	0.952
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	250.00	
Inlet Press. @ Cyl Flg	PSIG	247.57	476.51
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	494.98	725.19
Disch. Line Pressure	PSIG		720.00
Ratio of Compression		1.943	1.506
Adiabatic Disch. Temp.	F	207.72	174.76
Est Actual Disch Temp	F	225.40	187.89
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	291.7	151.5
CAPACITY ACTUAL WET	MMSCFD	6.89	6.87
CAPACITY ACTUAL DRY	MMSCFD	6.84	6.84
TOTAL COMPRESSOR POWER	HP	487.76	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	293.9	179.2
Capacity Wet/ Cylinder	MMSCFD	6.89	6.87
HE Disch. Vol. Eff.	%	28.48	65.56
CE Disch. Vol. Eff.	%	50.72	65.17
HE Inlet Vol. Eff.	%	48.02	90.08
CE Inlet Vol. Eff.	%	85.53	89.55
Avg. Inlet Vol. Eff.	%	66.78	89.81
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	21093	6767
Internal Gas Load - C	LBF	-23086	-11303
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16232	25044
Combined Rod Load - C	LBF	-21992	-23167
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	155.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.270	1.284
Avg. Vol. Expon. (N)		1.272	1.290
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.973	0.949
Z Discharge		0.973	0.950
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	260.00	
Inlet Press. @ Cyl Flg	PSIG	257.48	492.91
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	511.99	725.19
Disch. Line Pressure	PSIG		720.00
Ratio of Compression		1.935	1.458
Adiabatic Disch. Temp.	F	207.26	170.35
Est Actual Disch Temp	F	224.80	183.42
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	292.9	152.8
CAPACITY ACTUAL WET	MMSCFD	7.19	7.17
CAPACITY ACTUAL DRY	MMSCFD	7.14	7.14
TOTAL COMPRESSOR POWER	HP	492.98	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	304.4	173.9
Capacity Wet/ Cylinder	MMSCFD	7.19	7.17
HE Disch. Vol. Eff.	%	28.85	67.79
CE Disch. Vol. Eff.	%	50.97	67.44
HE Inlet Vol. Eff.	%	48.47	90.78
CE Inlet Vol. Eff.	%	85.65	90.31
Avg. Inlet Vol. Eff.	%	67.06	90.54
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	21703	6310
Internal Gas Load - C	LBF	-23759	-10897
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16928	25481
Combined Rod Load - C	LBF	-22116	-23272
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.270	1.285
Avg. Vol. Expon. (N)		1.273	1.291
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.972	0.947
Z Discharge		0.973	0.948
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	270.00	
Inlet Press. @ Cyl Flg	PSIG	267.39	509.23
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	528.92	725.19
Disch. Line Pressure	PSIG		720.00
Ratio of Compression		1.927	1.412
Adiabatic Disch. Temp.	F	206.82	166.09
Est Actual Disch Temp	F	224.23	179.11
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	294.1	153.9
CAPACITY ACTUAL WET	MMSCFD	7.49	7.47
CAPACITY ACTUAL DRY	MMSCFD	7.44	7.44
TOTAL COMPRESSOR POWER	HP	497.65	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	315.0	168.1
Capacity Wet/ Cylinder	MMSCFD	7.49	7.47
HE Disch. Vol. Eff.	%	29.21	70.00
CE Disch. Vol. Eff.	%	51.22	69.67
HE Inlet Vol. Eff.	%	48.91	91.45
CE Inlet Vol. Eff.	%	85.76	91.02
Avg. Inlet Vol. Eff.	%	67.33	91.23
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	22308	5854
Internal Gas Load - C	LBF	-24427	-10491
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17621	25916
Combined Rod Load - C	LBF	-22242	-23376
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.271	1.286
Avg. Vol. Expon. (N)		1.274	1.292
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.970	0.945
Z Discharge		0.972	0.947
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	280.00	
Inlet Press. @ Cyl Flg	PSIG	277.30	525.54
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	545.85	725.19
Disch. Line Pressure	PSIG		720.00
Ratio of Compression		1.920	1.370
Adiabatic Disch. Temp.	F	206.41	161.98
Est Actual Disch Temp	F	223.69	174.93
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	295.3	155.0
CAPACITY ACTUAL WET	MMSCFD	7.79	7.77
CAPACITY ACTUAL DRY	MMSCFD	7.74	7.74
TOTAL COMPRESSOR POWER	HP	501.78	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	325.5	161.7
Capacity Wet/ Cylinder	MMSCFD	7.79	7.77
HE Disch. Vol. Eff.	%	29.55	72.19
CE Disch. Vol. Eff.	%	51.45	71.89
HE Inlet Vol. Eff.	%	49.32	92.08
CE Inlet Vol. Eff.	%	85.86	91.69
Avg. Inlet Vol. Eff.	%	67.59	91.88
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	22912	5396
Internal Gas Load - C	LBF	-25187	-10083
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	18316	26014
Combined Rod Load - C	LBF	-22367	-23550
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.271	1.287
Avg. Vol. Expon. (N)		1.274	1.294
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.969	0.944
Z Discharge		0.971	0.945
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	290.00	
Inlet Press. @ Cyl Flg	PSIG	287.21	541.91
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	562.83	725.19
Disch. Line Pressure	PSIG		720.00
Ratio of Compression		1.913	1.329
Adiabatic Disch. Temp.	F	206.05	157.98
Est Actual Disch Temp	F	223.21	170.83
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	296.3	156.1
CAPACITY ACTUAL WET	MMSCFD	8.09	8.07
CAPACITY ACTUAL DRY	MMSCFD	8.05	8.05
TOTAL COMPRESSOR POWER	HP	505.38	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	336.0	154.8
Capacity Wet/ Cylinder	MMSCFD	8.09	8.07
HE Disch. Vol. Eff.	%	29.87	74.37
CE Disch. Vol. Eff.	%	51.67	74.10
HE Inlet Vol. Eff.	%	49.69	92.68
CE Inlet Vol. Eff.	%	85.96	92.34
Avg. Inlet Vol. Eff.	%	67.83	92.51
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	23521	4935
Internal Gas Load - C	LBF	-26060	-9672
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	19113	26095
Combined Rod Load - C	LBF	-22492	-23642
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.272	1.288
Avg. Vol. Expon. (N)		1.275	1.295
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.968	0.942
Z Discharge		0.970	0.943
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	300.00	
Inlet Press. @ Cyl Flg	PSIG	297.11	558.18
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	579.72	725.19
Disch. Line Pressure	PSIG		720.00
Ratio of Compression		1.906	1.292
Adiabatic Disch. Temp.	F	205.69	154.12
Est Actual Disch Temp	F	222.73	166.86
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	297.4	157.1
CAPACITY ACTUAL WET	MMSCFD	8.39	8.37
CAPACITY ACTUAL DRY	MMSCFD	8.35	8.35
TOTAL COMPRESSOR POWER	HP	508.46	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	346.5	147.4
Capacity Wet/ Cylinder	MMSCFD	8.39	8.37
HE Disch. Vol. Eff.	%	30.19	76.53
CE Disch. Vol. Eff.	%	51.88	76.28
HE Inlet Vol. Eff.	%	50.06	93.25
CE Inlet Vol. Eff.	%	86.05	92.95
Avg. Inlet Vol. Eff.	%	68.06	93.10
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	24123	4474
Internal Gas Load - C	LBF	-26934	-9260
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	19917	26518
Combined Rod Load - C	LBF	-22617	-23733
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	155.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.266	1.277
Avg. Vol. Expon. (N)		1.268	1.284
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.979	0.959
Z Discharge		0.979	0.961
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	200.00	
Inlet Press. @ Cyl Flg	PSIG	198.03	394.91
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	410.30	735.26
Disch. Line Pressure	PSIG		730.00
Ratio of Compression		1.998	1.831
Adiabatic Disch. Temp.	F	210.87	201.22
Est Actual Disch Temp	F	229.36	214.59
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	283.5	143.6
CAPACITY ACTUAL WET	MMSCFD	5.40	5.38
CAPACITY ACTUAL DRY	MMSCFD	5.36	5.36
TOTAL COMPRESSOR POWER	HP	456.42	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	241.1	200.7
Capacity Wet/ Cylinder	MMSCFD	5.40	5.38
HE Disch. Vol. Eff.	%	26.13	53.40
CE Disch. Vol. Eff.	%	49.12	52.87
HE Inlet Vol. Eff.	%	45.11	85.53
CE Inlet Vol. Eff.	%	84.79	84.69
Avg. Inlet Vol. Eff.	%	64.95	85.11
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	17843	9292
Internal Gas Load - C	LBF	-19761	-13633
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15068	23071
Combined Rod Load - C	LBF	-21369	-22137
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	170.0	165.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.267	1.278
Avg. Vol. Expon. (N)		1.268	1.285
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.978	0.957
Z Discharge		0.978	0.959
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	210.00	
Inlet Press. @ Cyl Flg	PSIG	207.94	411.49
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	427.51	735.26
Disch. Line Pressure	PSIG		730.00
Ratio of Compression		1.986	1.760
Adiabatic Disch. Temp.	F	210.20	195.83
Est Actual Disch Temp	F	228.52	209.07
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	285.2	145.3
CAPACITY ACTUAL WET	MMSCFD	5.70	5.68
CAPACITY ACTUAL DRY	MMSCFD	5.65	5.65
TOTAL COMPRESSOR POWER	HP	464.69	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	251.7	198.3
Capacity Wet/ Cylinder	MMSCFD	5.70	5.68
HE Disch. Vol. Eff.	%	26.62	55.72
CE Disch. Vol. Eff.	%	49.45	55.23
HE Inlet Vol. Eff.	%	45.73	86.51
CE Inlet Vol. Eff.	%	84.95	85.74
Avg. Inlet Vol. Eff.	%	65.34	86.12
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	18458	8832
Internal Gas Load - C	LBF	-20448	-13224
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14515	23482
Combined Rod Load - C	LBF	-21493	-22277
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.268	1.279
Avg. Vol. Expon. (N)		1.269	1.286
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.977	0.955
Z Discharge		0.977	0.957
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	220.00	
Inlet Press. @ Cyl Flg	PSIG	217.85	427.96
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	444.60	735.26
Disch. Line Pressure	PSIG		730.00
Ratio of Compression		1.975	1.694
Adiabatic Disch. Temp.	F	209.56	190.69
Est Actual Disch Temp	F	227.71	203.91
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	286.9	146.9
CAPACITY ACTUAL WET	MMSCFD	5.99	5.97
CAPACITY ACTUAL DRY	MMSCFD	5.95	5.95
TOTAL COMPRESSOR POWER	HP	472.49	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	262.4	195.5
Capacity Wet/ Cylinder	MMSCFD	5.99	5.97
HE Disch. Vol. Eff.	%	27.09	58.02
CE Disch. Vol. Eff.	%	49.78	57.55
HE Inlet Vol. Eff.	%	46.32	87.42
CE Inlet Vol. Eff.	%	85.10	86.71
Avg. Inlet Vol. Eff.	%	65.71	87.06
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	19090	8391
Internal Gas Load - C	LBF	-21125	-12819
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14176	23934
Combined Rod Load - C	LBF	-21618	-22649
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.268	1.280
Avg. Vol. Expon. (N)		1.270	1.287
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.976	0.954
Z Discharge		0.976	0.955
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	230.00	
Inlet Press. @ Cyl Flg	PSIG	227.76	444.41
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	461.67	735.26
Disch. Line Pressure	PSIG		730.00
Ratio of Compression		1.965	1.633
Adiabatic Disch. Temp.	F	208.97	185.75
Est Actual Disch Temp	F	226.96	198.95
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	288.4	148.4
CAPACITY ACTUAL WET	MMSCFD	6.29	6.26
CAPACITY ACTUAL DRY	MMSCFD	6.24	6.24
TOTAL COMPRESSOR POWER	HP	479.66	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	273.0	192.1
Capacity Wet/ Cylinder	MMSCFD	6.29	6.26
HE Disch. Vol. Eff.	%	27.54	60.29
CE Disch. Vol. Eff.	%	50.08	59.84
HE Inlet Vol. Eff.	%	46.88	88.27
CE Inlet Vol. Eff.	%	85.24	87.62
Avg. Inlet Vol. Eff.	%	66.06	87.94
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	19796	7935
Internal Gas Load - C	LBF	-21802	-12414
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14872	24386
Combined Rod Load - C	LBF	-21742	-22785
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.269	1.281
Avg. Vol. Expon. (N)		1.271	1.288
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.975	0.952
Z Discharge		0.975	0.954
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	240.00	
Inlet Press. @ Cyl Flg	PSIG	237.66	460.83
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	478.71	735.26
Disch. Line Pressure	PSIG		730.00
Ratio of Compression		1.955	1.577
Adiabatic Disch. Temp.	F	208.43	181.01
Est Actual Disch Temp	F	226.26	194.18
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	289.9	149.8
CAPACITY ACTUAL WET	MMSCFD	6.58	6.56
CAPACITY ACTUAL DRY	MMSCFD	6.54	6.54
TOTAL COMPRESSOR POWER	HP	486.23	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	283.6	188.1
Capacity Wet/ Cylinder	MMSCFD	6.58	6.56
HE Disch. Vol. Eff.	%	27.96	62.54
CE Disch. Vol. Eff.	%	50.37	62.12
HE Inlet Vol. Eff.	%	47.40	89.07
CE Inlet Vol. Eff.	%	85.38	88.47
Avg. Inlet Vol. Eff.	%	66.39	88.77
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	20502	7479
Internal Gas Load - C	LBF	-22476	-12010
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15568	24837
Combined Rod Load - C	LBF	-21867	-22905
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.269	1.283
Avg. Vol. Expon. (N)		1.271	1.289
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.974	0.950
Z Discharge		0.974	0.952
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	250.00	
Inlet Press. @ Cyl Flg	PSIG	247.57	477.21
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	495.70	735.26
Disch. Line Pressure	PSIG		730.00
Ratio of Compression		1.946	1.525
Adiabatic Disch. Temp.	F	207.91	176.44
Est Actual Disch Temp	F	225.60	189.58
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	291.3	151.1
CAPACITY ACTUAL WET	MMSCFD	6.88	6.86
CAPACITY ACTUAL DRY	MMSCFD	6.83	6.83
TOTAL COMPRESSOR POWER	HP	492.22	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	294.1	183.5
Capacity Wet/ Cylinder	MMSCFD	6.88	6.86
HE Disch. Vol. Eff.	%	28.37	64.76
CE Disch. Vol. Eff.	%	50.64	64.37
HE Inlet Vol. Eff.	%	47.89	89.82
CE Inlet Vol. Eff.	%	85.50	89.28
Avg. Inlet Vol. Eff.	%	66.69	89.55
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	21149	7024
Internal Gas Load - C	LBF	-23147	-11605
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16262	24862
Combined Rod Load - C	LBF	-21992	-23173
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.270	1.284
Avg. Vol. Expon. (N)		1.272	1.290
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.973	0.949
Z Discharge		0.973	0.950
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	260.00	
Inlet Press. @ Cyl Flg	PSIG	257.48	493.66
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	512.77	735.26
Disch. Line Pressure	PSIG		730.00
Ratio of Compression		1.938	1.475
Adiabatic Disch. Temp.	F	207.46	172.01
Est Actual Disch Temp	F	225.02	185.11
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	292.5	152.3
CAPACITY ACTUAL WET	MMSCFD	7.18	7.16
CAPACITY ACTUAL DRY	MMSCFD	7.13	7.13
TOTAL COMPRESSOR POWER	HP	497.64	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	304.7	178.4
Capacity Wet/ Cylinder	MMSCFD	7.18	7.16
HE Disch. Vol. Eff.	%	28.73	66.98
CE Disch. Vol. Eff.	%	50.89	66.61
HE Inlet Vol. Eff.	%	48.33	90.53
CE Inlet Vol. Eff.	%	85.61	90.04
Avg. Inlet Vol. Eff.	%	66.97	90.28
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	21764	6566
Internal Gas Load - C	LBF	-23826	-11198
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16961	25301
Combined Rod Load - C	LBF	-22117	-23278
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.270	1.285
Avg. Vol. Expon. (N)		1.273	1.292
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.972	0.947
Z Discharge		0.973	0.948
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	270.00	
Inlet Press. @ Cyl Flg	PSIG	267.39	509.98
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	529.70	735.26
Disch. Line Pressure	PSIG		730.00
Ratio of Compression		1.930	1.429
Adiabatic Disch. Temp.	F	207.02	167.76
Est Actual Disch Temp	F	224.44	180.81
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	293.8	153.5
CAPACITY ACTUAL WET	MMSCFD	7.48	7.46
CAPACITY ACTUAL DRY	MMSCFD	7.43	7.43
TOTAL COMPRESSOR POWER	HP	502.52	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	315.2	172.7
Capacity Wet/ Cylinder	MMSCFD	7.48	7.46
HE Disch. Vol. Eff.	%	29.10	69.16
CE Disch. Vol. Eff.	%	51.14	68.82
HE Inlet Vol. Eff.	%	48.77	91.20
CE Inlet Vol. Eff.	%	85.73	90.75
Avg. Inlet Vol. Eff.	%	67.25	90.97
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	22368	6110
Internal Gas Load - C	LBF	-24493	-10793
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17654	25736
Combined Rod Load - C	LBF	-22242	-23382
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.271	1.286
Avg. Vol. Expon. (N)		1.274	1.293
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.970	0.945
Z Discharge		0.972	0.947
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	280.00	
Inlet Press. @ Cyl Flg	PSIG	277.30	526.36
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	546.70	735.26
Disch. Line Pressure	PSIG		730.00
Ratio of Compression		1.923	1.386
Adiabatic Disch. Temp.	F	206.62	163.63
Est Actual Disch Temp	F	223.91	176.61
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	294.9	154.6
CAPACITY ACTUAL WET	MMSCFD	7.78	7.76
CAPACITY ACTUAL DRY	MMSCFD	7.73	7.73
TOTAL COMPRESSOR POWER	HP	506.86	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	325.7	166.5
Capacity Wet/ Cylinder	MMSCFD	7.78	7.76
HE Disch. Vol. Eff.	%	29.43	71.34
CE Disch. Vol. Eff.	%	51.37	71.03
HE Inlet Vol. Eff.	%	49.17	91.84
CE Inlet Vol. Eff.	%	85.83	91.43
Avg. Inlet Vol. Eff.	%	67.50	91.63
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	22978	5652
Internal Gas Load - C	LBF	-25187	-10384
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	18351	26014
Combined Rod Load - C	LBF	-22367	-23556
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.271	1.287
Avg. Vol. Expon. (N)		1.274	1.294
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.969	0.944
Z Discharge		0.971	0.945
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	290.00	
Inlet Press. @ Cyl Flg	PSIG	287.21	542.65
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	563.60	735.26
Disch. Line Pressure	PSIG		730.00
Ratio of Compression		1.916	1.346
Adiabatic Disch. Temp.	F	206.23	159.65
Est Actual Disch Temp	F	223.40	172.55
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	296.0	155.7
CAPACITY ACTUAL WET	MMSCFD	8.08	8.06
CAPACITY ACTUAL DRY	MMSCFD	8.04	8.04
TOTAL COMPRESSOR POWER	HP	510.68	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	336.2	159.8
Capacity Wet/ Cylinder	MMSCFD	8.08	8.06
HE Disch. Vol. Eff.	%	29.76	73.49
CE Disch. Vol. Eff.	%	51.60	73.20
HE Inlet Vol. Eff.	%	49.57	92.44
CE Inlet Vol. Eff.	%	85.93	92.08
Avg. Inlet Vol. Eff.	%	67.75	92.26
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	23581	5193
Internal Gas Load - C	LBF	-26060	-9976
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	19085	25985
Combined Rod Load - C	LBF	-22492	-23647
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.272	1.288
Avg. Vol. Expon. (N)		1.275	1.295
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.968	0.942
Z Discharge		0.970	0.943
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	300.00	
Inlet Press. @ Cyl Flg	PSIG	297.11	558.92
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	580.48	735.26
Disch. Line Pressure	PSIG		730.00
Ratio of Compression		1.909	1.307
Adiabatic Disch. Temp.	F	205.87	155.79
Est Actual Disch Temp	F	222.92	168.59
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	297.0	156.7
CAPACITY ACTUAL WET	MMSCFD	8.38	8.36
CAPACITY ACTUAL DRY	MMSCFD	8.34	8.34
TOTAL COMPRESSOR POWER	HP	513.99	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	346.7	152.7
Capacity Wet/ Cylinder	MMSCFD	8.38	8.36
HE Disch. Vol. Eff.	%	30.08	75.62
CE Disch. Vol. Eff.	%	51.82	75.36
HE Inlet Vol. Eff.	%	49.94	93.01
CE Inlet Vol. Eff.	%	86.02	92.69
Avg. Inlet Vol. Eff.	%	67.98	92.85
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	24182	4734
Internal Gas Load - C	LBF	-26934	-9566
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	19889	26313
Combined Rod Load - C	LBF	-22618	-23738
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.266	1.277
Avg. Vol. Expon. (N)		1.268	1.284
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.979	0.958
Z Discharge		0.979	0.961
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	200.00	
Inlet Press. @ Cyl Flg	PSIG	198.03	395.65
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	411.07	745.33
Disch. Line Pressure	PSIG		740.00
Ratio of Compression		2.001	1.852
Adiabatic Disch. Temp.	F	211.12	202.85
Est Actual Disch Temp	F	229.62	216.30
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	283.0	143.1
CAPACITY ACTUAL WET	MMSCFD	5.39	5.37
CAPACITY ACTUAL DRY	MMSCFD	5.35	5.35
TOTAL COMPRESSOR POWER	HP	459.95	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	241.2	204.1
Capacity Wet/ Cylinder	MMSCFD	5.39	5.37
HE Disch. Vol. Eff.	%	25.99	52.75
CE Disch. Vol. Eff.	%	49.03	52.21
HE Inlet Vol. Eff.	%	44.93	85.25
CE Inlet Vol. Eff.	%	84.75	84.39
Avg. Inlet Vol. Eff.	%	64.84	84.82
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	17903	9546
Internal Gas Load - C	LBF	-19828	-13932
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15013	22936
Combined Rod Load - C	LBF	-21369	-22144
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	170.0	165.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.267	1.278
Avg. Vol. Expon. (N)		1.268	1.285
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.978	0.957
Z Discharge		0.978	0.959
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	210.00	
Inlet Press. @ Cyl Flg	PSIG	207.94	412.16
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	428.21	745.33
Disch. Line Pressure	PSIG		740.00
Ratio of Compression		1.989	1.780
Adiabatic Disch. Temp.	F	210.42	197.49
Est Actual Disch Temp	F	228.74	210.74
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	284.8	144.8
CAPACITY ACTUAL WET	MMSCFD	5.69	5.67
CAPACITY ACTUAL DRY	MMSCFD	5.64	5.64
TOTAL COMPRESSOR POWER	HP	468.27	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	251.9	201.7
Capacity Wet/ Cylinder	MMSCFD	5.69	5.67
HE Disch. Vol. Eff.	%	26.50	55.04
CE Disch. Vol. Eff.	%	49.37	54.54
HE Inlet Vol. Eff.	%	45.57	86.23
CE Inlet Vol. Eff.	%	84.91	85.44
Avg. Inlet Vol. Eff.	%	65.24	85.84
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	18512	9089
Internal Gas Load - C	LBF	-20508	-13526
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14466	23406
Combined Rod Load - C	LBF	-21493	-22284
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.268	1.279
Avg. Vol. Expon. (N)		1.269	1.286
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.977	0.955
Z Discharge		0.977	0.957
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	220.00	
Inlet Press. @ Cyl Flg	PSIG	217.85	428.68
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	445.35	745.33
Disch. Line Pressure	PSIG		740.00
Ratio of Compression		1.978	1.714
Adiabatic Disch. Temp.	F	209.79	192.33
Est Actual Disch Temp	F	227.94	205.57
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	286.5	146.4
CAPACITY ACTUAL WET	MMSCFD	5.98	5.96
CAPACITY ACTUAL DRY	MMSCFD	5.94	5.94
TOTAL COMPRESSOR POWER	HP	476.27	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	262.6	199.1
Capacity Wet/ Cylinder	MMSCFD	5.98	5.96
HE Disch. Vol. Eff.	%	26.97	57.32
CE Disch. Vol. Eff.	%	49.69	56.84
HE Inlet Vol. Eff.	%	46.16	87.15
CE Inlet Vol. Eff.	%	85.06	86.42
Avg. Inlet Vol. Eff.	%	65.61	86.78
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	19122	8646
Internal Gas Load - C	LBF	-21189	-13120
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14207	23777
Combined Rod Load - C	LBF	-21618	-22528
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
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DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.268	1.280
Avg. Vol. Expon. (N)		1.270	1.287
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.976	0.953
Z Discharge		0.976	0.956
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	230.00	
Inlet Press. @ Cyl Flg	PSIG	227.76	445.12
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	462.41	745.33
Disch. Line Pressure	PSIG		740.00
Ratio of Compression		1.968	1.653
Adiabatic Disch. Temp.	F	209.19	187.40
Est Actual Disch Temp	F	227.18	200.61
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	288.0	147.9
CAPACITY ACTUAL WET	MMSCFD	6.28	6.26
CAPACITY ACTUAL DRY	MMSCFD	6.23	6.23
TOTAL COMPRESSOR POWER	HP	483.65	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	273.2	195.9
Capacity Wet/ Cylinder	MMSCFD	6.28	6.26
HE Disch. Vol. Eff.	%	27.42	59.56
CE Disch. Vol. Eff.	%	50.00	59.11
HE Inlet Vol. Eff.	%	46.73	88.00
CE Inlet Vol. Eff.	%	85.21	87.33
Avg. Inlet Vol. Eff.	%	65.97	87.67
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	19827	8191
Internal Gas Load - C	LBF	-21865	-12715
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14903	24229
Combined Rod Load - C	LBF	-21742	-22791
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
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DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.269	1.281
Avg. Vol. Expon. (N)		1.271	1.288
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.975	0.952
Z Discharge		0.975	0.954
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	240.00	
Inlet Press. @ Cyl Flg	PSIG	237.66	461.53
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	479.44	745.33
Disch. Line Pressure	PSIG		740.00
Ratio of Compression		1.958	1.596
Adiabatic Disch. Temp.	F	208.63	182.66
Est Actual Disch Temp	F	226.47	195.85
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	289.5	149.3
CAPACITY ACTUAL WET	MMSCFD	6.57	6.55
CAPACITY ACTUAL DRY	MMSCFD	6.53	6.53
TOTAL COMPRESSOR POWER	HP	490.42	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	283.7	192.1
Capacity Wet/ Cylinder	MMSCFD	6.57	6.55
HE Disch. Vol. Eff.	%	27.85	61.78
CE Disch. Vol. Eff.	%	50.29	61.36
HE Inlet Vol. Eff.	%	47.25	88.81
CE Inlet Vol. Eff.	%	85.34	88.19
Avg. Inlet Vol. Eff.	%	66.30	88.50
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	20533	7736
Internal Gas Load - C	LBF	-22538	-12311
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15598	24680
Combined Rod Load - C	LBF	-21867	-22911
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
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DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.269	1.282
Avg. Vol. Expon. (N)		1.271	1.290
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.974	0.950
Z Discharge		0.974	0.952
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	250.00	
Inlet Press. @ Cyl Flg	PSIG	247.57	478.04
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	496.56	745.33
Disch. Line Pressure	PSIG		740.00
Ratio of Compression		1.949	1.542
Adiabatic Disch. Temp.	F	208.15	178.06
Est Actual Disch Temp	F	225.85	191.22
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	290.8	150.7
CAPACITY ACTUAL WET	MMSCFD	6.87	6.85
CAPACITY ACTUAL DRY	MMSCFD	6.83	6.83
TOTAL COMPRESSOR POWER	HP	496.60	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	294.3	187.6
Capacity Wet/ Cylinder	MMSCFD	6.87	6.85
HE Disch. Vol. Eff.	%	28.23	64.00
CE Disch. Vol. Eff.	%	50.55	63.60
HE Inlet Vol. Eff.	%	47.73	89.57
CE Inlet Vol. Eff.	%	85.46	89.01
Avg. Inlet Vol. Eff.	%	66.59	89.29
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	21216	7277
Internal Gas Load - C	LBF	-23220	-11904
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16298	24848
Combined Rod Load - C	LBF	-21992	-23073
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
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DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.270	1.284
Avg. Vol. Expon. (N)		1.272	1.291
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.973	0.948
Z Discharge		0.974	0.950
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	260.00	
Inlet Press. @ Cyl Flg	PSIG	257.48	494.34
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	513.48	745.33
Disch. Line Pressure	PSIG		740.00
Ratio of Compression		1.941	1.493
Adiabatic Disch. Temp.	F	207.65	173.67
Est Actual Disch Temp	F	225.21	186.79
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	292.2	151.9
CAPACITY ACTUAL WET	MMSCFD	7.17	7.15
CAPACITY ACTUAL DRY	MMSCFD	7.12	7.12
TOTAL COMPRESSOR POWER	HP	502.23	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	304.9	182.7
Capacity Wet/ Cylinder	MMSCFD	7.17	7.15
HE Disch. Vol. Eff.	%	28.63	66.18
CE Disch. Vol. Eff.	%	50.82	65.80
HE Inlet Vol. Eff.	%	48.20	90.28
CE Inlet Vol. Eff.	%	85.58	89.77
Avg. Inlet Vol. Eff.	%	66.89	90.02
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	21819	6824
Internal Gas Load - C	LBF	-23886	-11500
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16990	25119
Combined Rod Load - C	LBF	-22117	-23283
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	155.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
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DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.270	1.285
Avg. Vol. Expon. (N)		1.273	1.292
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.972	0.947
Z Discharge		0.973	0.948
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	270.00	
Inlet Press. @ Cyl Flg	PSIG	267.39	510.72
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	530.48	745.33
Disch. Line Pressure	PSIG		740.00
Ratio of Compression		1.933	1.447
Adiabatic Disch. Temp.	F	207.21	169.41
Est Actual Disch Temp	F	224.64	182.48
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	293.4	153.1
CAPACITY ACTUAL WET	MMSCFD	7.47	7.45
CAPACITY ACTUAL DRY	MMSCFD	7.42	7.42
TOTAL COMPRESSOR POWER	HP	507.31	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	315.4	177.3
Capacity Wet/ Cylinder	MMSCFD	7.47	7.45
HE Disch. Vol. Eff.	%	28.98	68.35
CE Disch. Vol. Eff.	%	51.07	68.00
HE Inlet Vol. Eff.	%	48.64	90.95
CE Inlet Vol. Eff.	%	85.69	90.49
Avg. Inlet Vol. Eff.	%	67.17	90.72
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	22428	6367
Internal Gas Load - C	LBF	-24558	-11094
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17686	25555
Combined Rod Load - C	LBF	-22242	-23388
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.271	1.286
Avg. Vol. Expon. (N)		1.274	1.293
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.970	0.945
Z Discharge		0.972	0.947
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	280.00	
Inlet Press. @ Cyl Flg	PSIG	277.30	527.10
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	547.47	745.33
Disch. Line Pressure	PSIG		740.00
Ratio of Compression		1.925	1.403
Adiabatic Disch. Temp.	F	206.81	165.28
Est Actual Disch Temp	F	224.11	178.30
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	294.5	154.2
CAPACITY ACTUAL WET	MMSCFD	7.77	7.75
CAPACITY ACTUAL DRY	MMSCFD	7.72	7.72
TOTAL COMPRESSOR POWER	HP	511.86	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	326.0	171.3
Capacity Wet/ Cylinder	MMSCFD	7.77	7.75
HE Disch. Vol. Eff.	%	29.32	70.50
CE Disch. Vol. Eff.	%	51.30	70.18
HE Inlet Vol. Eff.	%	49.05	91.59
CE Inlet Vol. Eff.	%	85.80	91.17
Avg. Inlet Vol. Eff.	%	67.42	91.38
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	23038	5909
Internal Gas Load - C	LBF	-25231	-10687
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	18383	25992
Combined Rod Load - C	LBF	-22367	-23492
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.271	1.287
Avg. Vol. Expon. (N)		1.274	1.294
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.969	0.944
Z Discharge		0.971	0.945
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	290.00	
Inlet Press. @ Cyl Flg	PSIG	287.21	543.39
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	564.36	745.33
Disch. Line Pressure	PSIG		740.00
Ratio of Compression		1.918	1.362
Adiabatic Disch. Temp.	F	206.41	161.30
Est Actual Disch Temp	F	223.59	174.24
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	295.6	155.2
CAPACITY ACTUAL WET	MMSCFD	8.07	8.05
CAPACITY ACTUAL DRY	MMSCFD	8.03	8.03
TOTAL COMPRESSOR POWER	HP	515.90	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	336.5	164.8
Capacity Wet/ Cylinder	MMSCFD	8.07	8.05
HE Disch. Vol. Eff.	%	29.66	72.62
CE Disch. Vol. Eff.	%	51.53	72.33
HE Inlet Vol. Eff.	%	49.44	92.20
CE Inlet Vol. Eff.	%	85.90	91.82
Avg. Inlet Vol. Eff.	%	67.67	92.01
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	23640	5452
Internal Gas Load - C	LBF	-26060	-10279
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	19077	25985
Combined Rod Load - C	LBF	-22492	-23652
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.272	1.288
Avg. Vol. Expon. (N)		1.275	1.295
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.968	0.942
Z Discharge		0.970	0.943
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	300.00	
Inlet Press. @ Cyl Flg	PSIG	297.11	559.65
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	581.24	745.33
Disch. Line Pressure	PSIG		740.00
Ratio of Compression		1.911	1.323
Adiabatic Disch. Temp.	F	206.04	157.45
Est Actual Disch Temp	F	223.10	170.30
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	296.7	156.2
CAPACITY ACTUAL WET	MMSCFD	8.37	8.35
CAPACITY ACTUAL DRY	MMSCFD	8.33	8.33
TOTAL COMPRESSOR POWER	HP	519.42	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	346.9	157.9
Capacity Wet/ Cylinder	MMSCFD	8.38	8.35
HE Disch. Vol. Eff.	%	29.98	74.73
CE Disch. Vol. Eff.	%	51.75	74.46
HE Inlet Vol. Eff.	%	49.82	92.78
CE Inlet Vol. Eff.	%	86.00	92.44
Avg. Inlet Vol. Eff.	%	67.91	92.61
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	24240	4993
Internal Gas Load - C	LBF	-26935	-9870
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	19862	26108
Combined Rod Load - C	LBF	-22618	-23743
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.266	1.277
Avg. Vol. Expon. (N)		1.268	1.284
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.979	0.958
Z Discharge		0.979	0.961
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	200.00	
Inlet Press. @ Cyl Flg	PSIG	198.03	396.33
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	411.78	755.40
Disch. Line Pressure	PSIG		750.00
Ratio of Compression		2.005	1.874
Adiabatic Disch. Temp.	F	211.35	204.48
Est Actual Disch Temp	F	229.86	218.01
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	282.5	142.6
CAPACITY ACTUAL WET	MMSCFD	5.38	5.36
CAPACITY ACTUAL DRY	MMSCFD	5.34	5.34
TOTAL COMPRESSOR POWER	HP	463.42	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	241.4	207.4
Capacity Wet/ Cylinder	MMSCFD	5.38	5.36
HE Disch. Vol. Eff.	%	25.86	52.11
CE Disch. Vol. Eff.	%	48.94	51.57
HE Inlet Vol. Eff.	%	44.77	84.97
CE Inlet Vol. Eff.	%	84.71	84.09
Avg. Inlet Vol. Eff.	%	64.74	84.53
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	17958	9751
Internal Gas Load - C	LBF	-19874	-14234
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14963	22800
Combined Rod Load - C	LBF	-21369	-22151
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	170.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.267	1.278
Avg. Vol. Expon. (N)		1.268	1.285
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.978	0.957
Z Discharge		0.978	0.959
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	210.00	
Inlet Press. @ Cyl Flg	PSIG	207.94	412.83
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	428.90	755.40
Disch. Line Pressure	PSIG		750.00
Ratio of Compression		1.992	1.801
Adiabatic Disch. Temp.	F	210.63	199.12
Est Actual Disch Temp	F	228.97	212.39
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	284.4	144.4
CAPACITY ACTUAL WET	MMSCFD	5.68	5.66
CAPACITY ACTUAL DRY	MMSCFD	5.63	5.63
TOTAL COMPRESSOR POWER	HP	471.80	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	252.1	205.1
Capacity Wet/ Cylinder	MMSCFD	5.68	5.66
HE Disch. Vol. Eff.	%	26.38	54.38
CE Disch. Vol. Eff.	%	49.29	53.86
HE Inlet Vol. Eff.	%	45.42	85.95
CE Inlet Vol. Eff.	%	84.87	85.14
Avg. Inlet Vol. Eff.	%	65.15	85.55
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	18566	9345
Internal Gas Load - C	LBF	-20567	-13827
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14417	23269
Combined Rod Load - C	LBF	-21493	-22290
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	165.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.268	1.279
Avg. Vol. Expon. (N)		1.269	1.286
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.977	0.955
Z Discharge		0.977	0.957
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	220.00	
Inlet Press. @ Cyl Flg	PSIG	217.85	429.40
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	446.09	755.40
Disch. Line Pressure	PSIG		750.00
Ratio of Compression		1.982	1.734
Adiabatic Disch. Temp.	F	210.01	193.96
Est Actual Disch Temp	F	228.17	207.20
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	286.0	146.0
CAPACITY ACTUAL WET	MMSCFD	5.97	5.95
CAPACITY ACTUAL DRY	MMSCFD	5.93	5.93
TOTAL COMPRESSOR POWER	HP	480.00	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	262.7	202.7
Capacity Wet/ Cylinder	MMSCFD	5.97	5.95
HE Disch. Vol. Eff.	%	26.84	56.63
CE Disch. Vol. Eff.	%	49.61	56.15
HE Inlet Vol. Eff.	%	46.01	86.88
CE Inlet Vol. Eff.	%	85.03	86.13
Avg. Inlet Vol. Eff.	%	65.52	86.51
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	19179	8887
Internal Gas Load - C	LBF	-21253	-13420
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14238	23619
Combined Rod Load - C	LBF	-21618	-22430
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.268	1.280
Avg. Vol. Expon. (N)		1.270	1.288
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.976	0.953
Z Discharge		0.976	0.956
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	230.00	
Inlet Press. @ Cyl Flg	PSIG	227.76	445.83
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	463.14	755.40
Disch. Line Pressure	PSIG		750.00
Ratio of Compression		1.971	1.672
Adiabatic Disch. Temp.	F	209.40	189.03
Est Actual Disch Temp	F	227.40	202.26
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	287.6	147.5
CAPACITY ACTUAL WET	MMSCFD	6.27	6.25
CAPACITY ACTUAL DRY	MMSCFD	6.22	6.22
TOTAL COMPRESSOR POWER	HP	487.57	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	273.3	199.6
Capacity Wet/ Cylinder	MMSCFD	6.27	6.25
HE Disch. Vol. Eff.	%	27.30	58.85
CE Disch. Vol. Eff.	%	49.92	58.39
HE Inlet Vol. Eff.	%	46.58	87.74
CE Inlet Vol. Eff.	%	85.17	87.05
Avg. Inlet Vol. Eff.	%	65.87	87.40
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	19858	8447
Internal Gas Load - C	LBF	-21927	-13016
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14934	24071
Combined Rod Load - C	LBF	-21742	-22797
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.269	1.281
Avg. Vol. Expon. (N)		1.271	1.289
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.975	0.952
Z Discharge		0.975	0.954
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	240.00	
Inlet Press. @ Cyl Flg	PSIG	237.66	462.30
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	480.23	755.40
Disch. Line Pressure	PSIG		750.00
Ratio of Compression		1.961	1.614
Adiabatic Disch. Temp.	F	208.85	184.28
Est Actual Disch Temp	F	226.70	197.48
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	289.1	148.9
CAPACITY ACTUAL WET	MMSCFD	6.56	6.54
CAPACITY ACTUAL DRY	MMSCFD	6.52	6.52
TOTAL COMPRESSOR POWER	HP	494.53	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	284.0	196.0
Capacity Wet/ Cylinder	MMSCFD	6.56	6.54
HE Disch. Vol. Eff.	%	27.72	61.06
CE Disch. Vol. Eff.	%	50.21	60.63
HE Inlet Vol. Eff.	%	47.10	88.55
CE Inlet Vol. Eff.	%	85.30	87.92
Avg. Inlet Vol. Eff.	%	66.20	88.23
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	20566	7990
Internal Gas Load - C	LBF	-22605	-12610
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15631	24524
Combined Rod Load - C	LBF	-21867	-22918
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.269	1.282
Avg. Vol. Expon. (N)		1.271	1.290
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.974	0.950
Z Discharge		0.974	0.952
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	250.00	
Inlet Press. @ Cyl Flg	PSIG	247.57	478.72
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	497.27	755.40
Disch. Line Pressure	PSIG		750.00
Ratio of Compression		1.952	1.561
Adiabatic Disch. Temp.	F	208.34	179.70
Est Actual Disch Temp	F	226.04	192.88
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	290.5	150.2
CAPACITY ACTUAL WET	MMSCFD	6.86	6.84
CAPACITY ACTUAL DRY	MMSCFD	6.82	6.82
TOTAL COMPRESSOR POWER	HP	500.92	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	294.5	191.8
Capacity Wet/ Cylinder	MMSCFD	6.86	6.84
HE Disch. Vol. Eff.	%	28.12	63.24
CE Disch. Vol. Eff.	%	50.48	62.84
HE Inlet Vol. Eff.	%	47.59	89.31
CE Inlet Vol. Eff.	%	85.43	88.73
Avg. Inlet Vol. Eff.	%	66.51	89.02
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	21271	7535
Internal Gas Load - C	LBF	-23280	-12206
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16328	24848
Combined Rod Load - C	LBF	-21992	-23038
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.270	1.283
Avg. Vol. Expon. (N)		1.272	1.291
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.973	0.948
Z Discharge		0.974	0.950
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	260.00	
Inlet Press. @ Cyl Flg	PSIG	257.48	495.16
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	514.33	755.40
Disch. Line Pressure	PSIG		750.00
Ratio of Compression		1.944	1.510
Adiabatic Disch. Temp.	F	207.87	175.28
Est Actual Disch Temp	F	225.44	188.42
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	291.8	151.5
CAPACITY ACTUAL WET	MMSCFD	7.16	7.14
CAPACITY ACTUAL DRY	MMSCFD	7.12	7.12
TOTAL COMPRESSOR POWER	HP	506.75	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	305.1	187.0
Capacity Wet/ Cylinder	MMSCFD	7.16	7.14
HE Disch. Vol. Eff.	%	28.50	65.41
CE Disch. Vol. Eff.	%	50.74	65.03
HE Inlet Vol. Eff.	%	48.05	90.03
CE Inlet Vol. Eff.	%	85.55	89.50
Avg. Inlet Vol. Eff.	%	66.80	89.77
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	21885	7078
Internal Gas Load - C	LBF	-23958	-11799
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17026	24940
Combined Rod Load - C	LBF	-22117	-23289
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.270	1.285
Avg. Vol. Expon. (N)		1.273	1.292
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.972	0.947
Z Discharge		0.973	0.948
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	270.00	
Inlet Press. @ Cyl Flg	PSIG	267.39	511.54
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	531.32	755.40
Disch. Line Pressure	PSIG		750.00
Ratio of Compression		1.936	1.463
Adiabatic Disch. Temp.	F	207.43	171.01
Est Actual Disch Temp	F	224.86	184.12
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	293.0	152.7
CAPACITY ACTUAL WET	MMSCFD	7.46	7.44
CAPACITY ACTUAL DRY	MMSCFD	7.42	7.42
TOTAL COMPRESSOR POWER	HP	512.03	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	315.7	181.7
Capacity Wet/ Cylinder	MMSCFD	7.46	7.44
HE Disch. Vol. Eff.	%	28.86	67.56
CE Disch. Vol. Eff.	%	50.98	67.20
HE Inlet Vol. Eff.	%	48.49	90.71
CE Inlet Vol. Eff.	%	85.66	90.23
Avg. Inlet Vol. Eff.	%	67.07	90.47
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	22494	6621
Internal Gas Load - C	LBF	-24630	-11394
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17722	25377
Combined Rod Load - C	LBF	-22242	-23394
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	155.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.271	1.286
Avg. Vol. Expon. (N)		1.274	1.293
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.970	0.945
Z Discharge		0.972	0.947
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	280.00	
Inlet Press. @ Cyl Flg	PSIG	277.30	527.83
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	548.23	755.40
Disch. Line Pressure	PSIG		750.00
Ratio of Compression		1.928	1.419
Adiabatic Disch. Temp.	F	207.00	166.91
Est Actual Disch Temp	F	224.30	179.96
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	294.2	153.8
CAPACITY ACTUAL WET	MMSCFD	7.76	7.74
CAPACITY ACTUAL DRY	MMSCFD	7.71	7.71
TOTAL COMPRESSOR POWER	HP	516.79	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	326.2	176.0
Capacity Wet/ Cylinder	MMSCFD	7.76	7.74
HE Disch. Vol. Eff.	%	29.22	69.68
CE Disch. Vol. Eff.	%	51.23	69.35
HE Inlet Vol. Eff.	%	48.92	91.35
CE Inlet Vol. Eff.	%	85.77	90.92
Avg. Inlet Vol. Eff.	%	67.34	91.14
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	23096	6166
Internal Gas Load - C	LBF	-25295	-10989
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	18415	25812
Combined Rod Load - C	LBF	-22367	-23498
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.271	1.287
Avg. Vol. Expon. (N)		1.274	1.294
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.969	0.943
Z Discharge		0.971	0.945
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	290.00	
Inlet Press. @ Cyl Flg	PSIG	287.21	544.19
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	565.20	755.40
Disch. Line Pressure	PSIG		750.00
Ratio of Compression		1.921	1.378
Adiabatic Disch. Temp.	F	206.61	162.91
Est Actual Disch Temp	F	223.80	175.90
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	295.3	154.8
CAPACITY ACTUAL WET	MMSCFD	8.06	8.04
CAPACITY ACTUAL DRY	MMSCFD	8.02	8.02
TOTAL COMPRESSOR POWER	HP	521.02	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	336.7	169.7
Capacity Wet/ Cylinder	MMSCFD	8.06	8.04
HE Disch. Vol. Eff.	%	29.54	71.79
CE Disch. Vol. Eff.	%	51.45	71.48
HE Inlet Vol. Eff.	%	49.31	91.97
CE Inlet Vol. Eff.	%	85.87	91.57
Avg. Inlet Vol. Eff.	%	67.59	91.77
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	23705	5708
Internal Gas Load - C	LBF	-26061	-10581
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	19112	25985
Combined Rod Load - C	LBF	-22493	-23657
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.272	1.288
Avg. Vol. Expon. (N)		1.275	1.296
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.968	0.942
Z Discharge		0.970	0.943
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	300.00	
Inlet Press. @ Cyl Flg	PSIG	297.11	560.45
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	582.07	755.40
Disch. Line Pressure	PSIG		750.00
Ratio of Compression		1.914	1.339
Adiabatic Disch. Temp.	F	206.24	159.06
Est Actual Disch Temp	F	223.30	171.96
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	296.3	155.8
CAPACITY ACTUAL WET	MMSCFD	8.36	8.34
CAPACITY ACTUAL DRY	MMSCFD	8.32	8.32
TOTAL COMPRESSOR POWER	HP	524.76	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	347.2	162.9
Capacity Wet/ Cylinder	MMSCFD	8.37	8.34
HE Disch. Vol. Eff.	%	29.87	73.88
CE Disch. Vol. Eff.	%	51.67	73.59
HE Inlet Vol. Eff.	%	49.69	92.55
CE Inlet Vol. Eff.	%	85.96	92.19
Avg. Inlet Vol. Eff.	%	67.83	92.37
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	24305	5250
Internal Gas Load - C	LBF	-26935	-10173
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	19832	25957
Combined Rod Load - C	LBF	-22618	-23748
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.266	1.277
Avg. Vol. Expon. (N)		1.268	1.284
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.979	0.958
Z Discharge		0.979	0.961
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	200.00	
Inlet Press. @ Cyl Flg	PSIG	198.03	397.00
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	412.48	765.47
Disch. Line Pressure	PSIG		760.00
Ratio of Compression		2.008	1.895
Adiabatic Disch. Temp.	F	211.57	206.09
Est Actual Disch Temp	F	230.10	219.69
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	282.1	142.2
CAPACITY ACTUAL WET	MMSCFD	5.38	5.35
CAPACITY ACTUAL DRY	MMSCFD	5.33	5.33
TOTAL COMPRESSOR POWER	HP	466.83	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	241.5	210.7
Capacity Wet/ Cylinder	MMSCFD	5.38	5.35
HE Disch. Vol. Eff.	%	25.74	51.48
CE Disch. Vol. Eff.	%	48.85	50.93
HE Inlet Vol. Eff.	%	44.60	84.69
CE Inlet Vol. Eff.	%	84.67	83.78
Avg. Inlet Vol. Eff.	%	64.64	84.24
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	18012	10007
Internal Gas Load - C	LBF	-19874	-14535
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14914	22663
Combined Rod Load - C	LBF	-21369	-22066
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	170.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.267	1.278
Avg. Vol. Expon. (N)		1.268	1.285
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.978	0.957
Z Discharge		0.978	0.959
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	210.00	
Inlet Press. @ Cyl Flg	PSIG	207.94	413.55
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	429.65	765.47
Disch. Line Pressure	PSIG		760.00
Ratio of Compression		1.996	1.822
Adiabatic Disch. Temp.	F	210.87	200.72
Est Actual Disch Temp	F	229.21	214.07
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	283.9	143.9
CAPACITY ACTUAL WET	MMSCFD	5.67	5.65
CAPACITY ACTUAL DRY	MMSCFD	5.63	5.63
TOTAL COMPRESSOR POWER	HP	475.42	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	252.2	208.6
Capacity Wet/ Cylinder	MMSCFD	5.67	5.65
HE Disch. Vol. Eff.	%	26.24	53.73
CE Disch. Vol. Eff.	%	49.20	53.21
HE Inlet Vol. Eff.	%	45.25	85.68
CE Inlet Vol. Eff.	%	84.83	84.85
Avg. Inlet Vol. Eff.	%	65.04	85.27
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	18624	9601
Internal Gas Load - C	LBF	-20632	-14128
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14364	23134
Combined Rod Load - C	LBF	-21493	-22297
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.268	1.279
Avg. Vol. Expon. (N)		1.269	1.287
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.977	0.955
Z Discharge		0.977	0.957
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	220.00	
Inlet Press. @ Cyl Flg	PSIG	217.85	430.11
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	446.83	765.47
Disch. Line Pressure	PSIG		760.00
Ratio of Compression		1.985	1.754
Adiabatic Disch. Temp.	F	210.23	195.57
Est Actual Disch Temp	F	228.40	208.82
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	285.6	145.5
CAPACITY ACTUAL WET	MMSCFD	5.96	5.94
CAPACITY ACTUAL DRY	MMSCFD	5.92	5.92
TOTAL COMPRESSOR POWER	HP	483.66	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	262.9	206.1
Capacity Wet/ Cylinder	MMSCFD	5.96	5.94
HE Disch. Vol. Eff.	%	26.72	55.96
CE Disch. Vol. Eff.	%	49.52	55.47
HE Inlet Vol. Eff.	%	45.85	86.61
CE Inlet Vol. Eff.	%	84.99	85.85
Avg. Inlet Vol. Eff.	%	65.42	86.23
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	19236	9142
Internal Gas Load - C	LBF	-21316	-13720
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14269	23462
Combined Rod Load - C	LBF	-21618	-22437
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	165.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.268	1.280
Avg. Vol. Expon. (N)		1.270	1.288
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.976	0.953
Z Discharge		0.976	0.956
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	230.00	
Inlet Press. @ Cyl Flg	PSIG	227.76	446.53
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	463.87	765.47
Disch. Line Pressure	PSIG		760.00
Ratio of Compression		1.974	1.692
Adiabatic Disch. Temp.	F	209.61	190.64
Est Actual Disch Temp	F	227.62	203.88
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	287.2	147.0
CAPACITY ACTUAL WET	MMSCFD	6.26	6.24
CAPACITY ACTUAL DRY	MMSCFD	6.21	6.21
TOTAL COMPRESSOR POWER	HP	491.43	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	273.5	203.3
Capacity Wet/ Cylinder	MMSCFD	6.26	6.24
HE Disch. Vol. Eff.	%	27.18	58.16
CE Disch. Vol. Eff.	%	49.84	57.69
HE Inlet Vol. Eff.	%	46.43	87.48
CE Inlet Vol. Eff.	%	85.14	86.77
Avg. Inlet Vol. Eff.	%	65.78	87.12
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	19889	8703
Internal Gas Load - C	LBF	-21989	-13317
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14964	23913
Combined Rod Load - C	LBF	-21743	-22803
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.269	1.281
Avg. Vol. Expon. (N)		1.271	1.289
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.975	0.952
Z Discharge		0.975	0.954
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	240.00	
Inlet Press. @ Cyl Flg	PSIG	237.66	463.05
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	481.01	765.47
Disch. Line Pressure	PSIG		760.00
Ratio of Compression		1.964	1.633
Adiabatic Disch. Temp.	F	209.07	185.88
Est Actual Disch Temp	F	226.93	199.09
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	288.7	148.4
CAPACITY ACTUAL WET	MMSCFD	6.55	6.53
CAPACITY ACTUAL DRY	MMSCFD	6.51	6.51
TOTAL COMPRESSOR POWER	HP	498.59	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	284.2	199.8
Capacity Wet/ Cylinder	MMSCFD	6.55	6.53
HE Disch. Vol. Eff.	%	27.60	60.35
CE Disch. Vol. Eff.	%	50.12	59.91
HE Inlet Vol. Eff.	%	46.95	88.29
CE Inlet Vol. Eff.	%	85.27	87.65
Avg. Inlet Vol. Eff.	%	66.11	87.97
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	20599	8245
Internal Gas Load - C	LBF	-22672	-12910
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15664	24368
Combined Rod Load - C	LBF	-21867	-22924
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.269	1.282
Avg. Vol. Expon. (N)		1.271	1.290
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.974	0.950
Z Discharge		0.974	0.952
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	250.00	
Inlet Press. @ Cyl Flg	PSIG	247.57	479.40
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	497.97	765.47
Disch. Line Pressure	PSIG		760.00
Ratio of Compression		1.955	1.579
Adiabatic Disch. Temp.	F	208.53	181.32
Est Actual Disch Temp	F	226.24	194.51
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	290.1	149.8
CAPACITY ACTUAL WET	MMSCFD	6.85	6.83
CAPACITY ACTUAL DRY	MMSCFD	6.81	6.81
TOTAL COMPRESSOR POWER	HP	505.17	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	294.7	195.8
Capacity Wet/ Cylinder	MMSCFD	6.85	6.83
HE Disch. Vol. Eff.	%	28.01	62.50
CE Disch. Vol. Eff.	%	50.41	62.09
HE Inlet Vol. Eff.	%	47.46	89.06
CE Inlet Vol. Eff.	%	85.40	88.46
Avg. Inlet Vol. Eff.	%	66.43	88.76
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	21303	7792
Internal Gas Load - C	LBF	-23340	-12507
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16357	24817
Combined Rod Load - C	LBF	-21992	-23044
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.270	1.283
Avg. Vol. Expon. (N)		1.272	1.291
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.973	0.948
Z Discharge		0.974	0.950
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	260.00	
Inlet Press. @ Cyl Flg	PSIG	257.48	495.83
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	515.02	765.47
Disch. Line Pressure	PSIG		760.00
Ratio of Compression		1.946	1.528
Adiabatic Disch. Temp.	F	208.05	176.90
Est Actual Disch Temp	F	225.63	190.06
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	291.4	151.0
CAPACITY ACTUAL WET	MMSCFD	7.15	7.13
CAPACITY ACTUAL DRY	MMSCFD	7.11	7.10
TOTAL COMPRESSOR POWER	HP	511.20	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	305.3	191.3
Capacity Wet/ Cylinder	MMSCFD	7.15	7.13
HE Disch. Vol. Eff.	%	28.39	64.65
CE Disch. Vol. Eff.	%	50.67	64.26
HE Inlet Vol. Eff.	%	47.93	89.78
CE Inlet Vol. Eff.	%	85.52	89.24
Avg. Inlet Vol. Eff.	%	66.72	89.51
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	21939	7335
Internal Gas Load - C	LBF	-24016	-12102
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17055	24835
Combined Rod Load - C	LBF	-22117	-23294
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.270	1.284
Avg. Vol. Expon. (N)		1.273	1.292
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.972	0.947
Z Discharge		0.973	0.948
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	270.00	
Inlet Press. @ Cyl Flg	PSIG	267.39	512.20
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	532.00	765.47
Disch. Line Pressure	PSIG		760.00
Ratio of Compression		1.938	1.481
Adiabatic Disch. Temp.	F	207.60	172.64
Est Actual Disch Temp	F	225.04	185.77
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	292.7	152.2
CAPACITY ACTUAL WET	MMSCFD	7.45	7.43
CAPACITY ACTUAL DRY	MMSCFD	7.40	7.40
TOTAL COMPRESSOR POWER	HP	516.68	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	315.9	186.2
Capacity Wet/ Cylinder	MMSCFD	7.45	7.43
HE Disch. Vol. Eff.	%	28.76	66.77
CE Disch. Vol. Eff.	%	50.92	66.40
HE Inlet Vol. Eff.	%	48.37	90.47
CE Inlet Vol. Eff.	%	85.63	89.97
Avg. Inlet Vol. Eff.	%	67.00	90.22
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	22547	6880
Internal Gas Load - C	LBF	-24687	-11697
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17750	25195
Combined Rod Load - C	LBF	-22242	-23399
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	155.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.271	1.286
Avg. Vol. Expon. (N)		1.274	1.294
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.970	0.945
Z Discharge		0.972	0.947
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	280.00	
Inlet Press. @ Cyl Flg	PSIG	277.30	528.64
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	549.06	765.47
Disch. Line Pressure	PSIG		760.00
Ratio of Compression		1.931	1.436
Adiabatic Disch. Temp.	F	207.20	168.50
Est Actual Disch Temp	F	224.51	181.58
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	293.8	153.4
CAPACITY ACTUAL WET	MMSCFD	7.75	7.73
CAPACITY ACTUAL DRY	MMSCFD	7.71	7.71
TOTAL COMPRESSOR POWER	HP	521.63	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	326.4	180.6
Capacity Wet/ Cylinder	MMSCFD	7.75	7.73
HE Disch. Vol. Eff.	%	29.10	68.89
CE Disch. Vol. Eff.	%	51.15	68.54
HE Inlet Vol. Eff.	%	48.78	91.12
CE Inlet Vol. Eff.	%	85.73	90.67
Avg. Inlet Vol. Eff.	%	67.25	90.89
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	23161	6421
Internal Gas Load - C	LBF	-25366	-11289
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	18450	25633
Combined Rod Load - C	LBF	-22367	-23504
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	155.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.271	1.287
Avg. Vol. Expon. (N)		1.274	1.295
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.969	0.943
Z Discharge		0.971	0.945
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	290.00	
Inlet Press. @ Cyl Flg	PSIG	287.21	544.91
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	565.95	765.47
Disch. Line Pressure	PSIG		760.00
Ratio of Compression		1.923	1.394
Adiabatic Disch. Temp.	F	206.79	164.53
Est Actual Disch Temp	F	223.98	177.54
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	294.9	154.4
CAPACITY ACTUAL WET	MMSCFD	8.05	8.03
CAPACITY ACTUAL DRY	MMSCFD	8.01	8.01
TOTAL COMPRESSOR POWER	HP	526.07	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	336.9	174.5
Capacity Wet/ Cylinder	MMSCFD	8.05	8.03
HE Disch. Vol. Eff.	%	29.44	70.97
CE Disch. Vol. Eff.	%	51.38	70.65
HE Inlet Vol. Eff.	%	49.19	91.73
CE Inlet Vol. Eff.	%	85.84	91.32
Avg. Inlet Vol. Eff.	%	67.51	91.53
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	23763	5966
Internal Gas Load - C	LBF	-26061	-10884
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	19143	25985
Combined Rod Load - C	LBF	-22493	-23608
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

D-R Size Version
6.5.16.727

PACKAGER:
LOCATION:
JOB/REF:

DRESSER-RAND
A Siemens Business

DESIGN POINT

AMBIENT T (F) : 100.0
REF TEMP. (F) : 60.0
COMPRESSOR DATA
MODEL 5.5 RDS 2
STROKE (IN) 5.500
ROD DIA (IN) 2.125

ALTITUDE (FT) 0
REF PRESS (PSIA) 14.6960
RATED RPM 1000
CALC RPM 1000
Calc PS (FPM) 916.67

ATM PRESS (PSIA) 14.6960
LUBRICATED
DRIVER DATA
TYPE Engine
MANUF Waukesha
MODEL F3521GSI

DRIVER (HP) 615
COOLER (HP) 0

Stage Number		1	2
Gas		SWEETNAT	SWEETNAT
Dry Gas Mol. Weight		17.407	17.407
Dry Gas Spec. Gravity		0.601	0.601
Cp/Cv @ 14.7/60		1.293	1.293
Avg. Temp. Expon. (K)		1.272	1.288
Avg. Vol. Expon. (N)		1.275	1.296
Gas Crit. Temperature	F	-96.511	-96.511
Gas Crit. Pressure	PSIA	671.383	671.383
Z Standard		0.998	0.998
Z Suction		0.968	0.942
Z Discharge		0.970	0.943
Inlet Temperature	F	120.00	120.00
Inlet Line Pressure	PSIG	300.00	
Inlet Press. @ Cyl Flg	PSIG	297.11	561.25
Interstage Press. Drop	%	3.62	0.00
Disch. Press. @ Cyl Flg	PSIG	582.90	765.47
Disch. Line Pressure	PSIG		760.00
Ratio of Compression		1.917	1.355
Adiabatic Disch. Temp.	F	206.43	160.66
Est Actual Disch Temp	F	223.50	173.60
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	296.0	155.4
CAPACITY ACTUAL WET	MMSCFD	8.36	8.33
CAPACITY ACTUAL DRY	MMSCFD	8.31	8.31
TOTAL COMPRESSOR POWER	HP	530.01	

Stage number at (HE/CE)		1/1	2/2
Frame Ext/Cyl. Bore	#/IN	1/ 9.500	2/ 6.000
Cylinder Pattern		GN2820AA	G3806L
RDP	PSIG	1000.0	1750.0
MAWP	PSIG	1100.0	1925.0
Cyl. Action/HE Rod Dia.	Act./IN	DA/ 0.00	DA/ 0.00
Brake power / Cylinder	HP	347.5	167.9
Capacity Wet/ Cylinder	MMSCFD	8.35	8.33
HE Disch. Vol. Eff.	%	29.76	73.04
CE Disch. Vol. Eff.	%	51.60	72.75
HE Inlet Vol. Eff.	%	49.56	92.32
CE Inlet Vol. Eff.	%	85.93	91.95
Avg. Inlet Vol. Eff.	%	67.75	92.13
HE Clearance Req'd.	%	70.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.00	0.00
HE Clearance Added	IN3	212.3	0.0
CE Clearance Req'd.	%	15.90	18.90
CE Clearance Min.	%	15.90	18.90
CE Clearance Added	IN3	0.0	0.0
Valve Model - HE			
Valve Model - CE			
Valves/Corner (HES/HED/CES/CED)		1/1/1/1	1/1/1/1
Valve Lift - HE	IN	0.080	0.080
Valve Lift - CE	IN	0.080	0.080
Valve Lift Area - HE	SQIN	7.362	3.626
Valve Lift Area - CE	SQIN	7.362	3.626
API Inlet Vlv Vel Avg.	FPM	8605.0	6699.6
Internal Gas Load - T	LBF	24369	5507
Internal Gas Load - C	LBF	-26936	-10475
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	19840	25957
Combined Rod Load - C	LBF	-22618	-23753
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0