

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)		1.262	1.280
Avg. Vol. Expon. (N)		1.266	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		0.980	0.956
Z Discharge		0.982	0.957
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	200.00	
Inlet Press. @ Cyl Flg	PSIG	197.89	455.88
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	474.17	604.65
Disch. Line Pressure	PSIG		600.00
Ratio of Compression		2.300	1.316
Adiabatic Disch. Temp.	F	241.31	166.52
Est Actual Disch Temp	F	260.78	179.16
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	357.0	156.4
CAPACITY ACTUAL WET	MMSCFD	6.67	6.63
CAPACITY ACTUAL DRY	MMSCFD	6.60	6.60
TOTAL COMPRESSOR POWER	HP	502.46	

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	360.8	127.0
Capacity Wet/ Cylinder	MMSCFD	6.67	6.63
HE Disch. Vol. Eff.	%	41.98	74.96
CE Disch. Vol. Eff.	%	42.08	74.69
HE Inlet Vol. Eff.	%	81.06	92.84
CE Inlet Vol. Eff.	%	81.25	92.51
Avg. Inlet Vol. Eff.	%	81.15	92.68
HE Clearance Req'd.	%	16.10	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	0.00	0.00
HE Clearance Added	IN3	0.0	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	22296	3985
Internal Gas Load - C	LBF	-25349	-7943
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	22005	26546
Combined Rod Load - C	LBF	-21819	-23150
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)		1.263	1.281
Avg. Vol. Expon. (N)		1.266	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		0.979	0.954
Z Discharge		0.981	0.955
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	210.00	
Inlet Press. @ Cyl Flg	PSIG	207.79	474.56
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	493.58	604.65
Disch. Line Pressure	PSIG		600.00
Ratio of Compression		2.285	1.266
Adiabatic Disch. Temp.	F	240.55	161.31
Est Actual Disch Temp	F	259.82	173.78
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	357.9	157.7
CAPACITY ACTUAL WET	MMSCFD	7.01	6.97
CAPACITY ACTUAL DRY	MMSCFD	6.94	6.94
TOTAL COMPRESSOR POWER	HP	508.35	

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	375.5	118.2
Capacity Wet/ Cylinder	MMSCFD	7.01	6.97
HE Disch. Vol. Eff.	%	42.32	77.93
CE Disch. Vol. Eff.	%	42.42	77.69
HE Inlet Vol. Eff.	%	81.26	93.62
CE Inlet Vol. Eff.	%	81.44	93.33
Avg. Inlet Vol. Eff.	%	81.35	93.47
HE Clearance Req'd.	%	16.10	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	0.00	0.00
HE Clearance Added	IN3	0.0	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	23065	3454
Internal Gas Load - C	LBF	-26246	-7467
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	22150	27030
Combined Rod Load - C	LBF	-22253	-23335
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

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AMBIENT T (F) : 100.0
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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)		1.263	1.281
Avg. Vol. Expon. (N)		1.267	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	0.954
Z Discharge		0.980	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	220.00	
Inlet Press. @ Cyl Flg	PSIG	217.69	477.97
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	497.12	604.65
Disch. Line Pressure	PSIG		600.00
Ratio of Compression		2.202	1.257
Adiabatic Disch. Temp.	F	235.55	160.39
Est Actual Disch Temp	F	254.60	172.82
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	345.2	157.9
CAPACITY ACTUAL WET	MMSCFD	7.07	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	493.65	

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	362.5	116.5
Capacity Wet/ Cylinder	MMSCFD	7.07	7.03
HE Disch. Vol. Eff.	%	40.07	78.46
CE Disch. Vol. Eff.	%	44.20	78.24
HE Inlet Vol. Eff.	%	74.72	93.75
CE Inlet Vol. Eff.	%	82.42	93.48
Avg. Inlet Vol. Eff.	%	78.57	93.62
HE Clearance Req'd.	%	24.81	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	7.99	0.00
HE Clearance Added	IN3	33.9	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	22955	3357
Internal Gas Load - C	LBF	-25834	-7380
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	19513	27119
Combined Rod Load - C	LBF	-22152	-23352
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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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)		1.264	1.281
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		0.977	0.954
Z Discharge		0.979	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	230.00	
Inlet Press. @ Cyl Flg	PSIG	227.59	477.97
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	497.12	604.65
Disch. Line Pressure	PSIG		600.00
Ratio of Compression		2.112	1.257
Adiabatic Disch. Temp.	F	229.83	160.39
Est Actual Disch Temp	F	248.58	172.82
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	330.6	157.9
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	475.00	

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	343.9	116.5
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	37.29	78.46
CE Disch. Vol. Eff.	%	46.29	78.24
HE Inlet Vol. Eff.	%	67.25	93.75
CE Inlet Vol. Eff.	%	83.49	93.48
Avg. Inlet Vol. Eff.	%	75.37	93.62
HE Clearance Req'd.	%	36.11	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	18.38	0.00
HE Clearance Added	IN3	78.0	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	22336	3357
Internal Gas Load - C	LBF	-25295	-7380
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17090	27119
Combined Rod Load - C	LBF	-22035	-23352
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	160.0

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AMBIENT T (F) : 100.0
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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)		1.265	1.281
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		0.976	0.954
Z Discharge		0.978	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	240.00	
Inlet Press. @ Cyl Flg	PSIG	237.49	477.98
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	497.12	604.65
Disch. Line Pressure	PSIG		600.00
Ratio of Compression		2.029	1.257
Adiabatic Disch. Temp.	F	224.36	160.39
Est Actual Disch Temp	F	242.73	172.82
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	317.2	157.9
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	457.03	

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	325.9	116.5
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	34.55	78.46
CE Disch. Vol. Eff.	%	48.36	78.24
HE Inlet Vol. Eff.	%	60.36	93.75
CE Inlet Vol. Eff.	%	84.49	93.48
Avg. Inlet Vol. Eff.	%	72.42	93.62
HE Clearance Req'd.	%	48.20	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	29.48	0.00
HE Clearance Added	IN3	125.1	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	21720	3356
Internal Gas Load - C	LBF	-24473	-7380
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17355	27119
Combined Rod Load - C	LBF	-22146	-23352
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	180.0	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
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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	1.281
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		0.975	0.954
Z Discharge		0.977	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	250.00	
Inlet Press. @ Cyl Flg	PSIG	247.40	477.96
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	497.10	604.65
Disch. Line Pressure	PSIG		600.00
Ratio of Compression		1.953	1.257
Adiabatic Disch. Temp.	F	219.11	160.39
Est Actual Disch Temp	F	237.07	172.82
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	304.9	157.9
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	439.74	

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	308.6	116.5
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	31.87	78.46
CE Disch. Vol. Eff.	%	50.42	78.23
HE Inlet Vol. Eff.	%	53.99	93.75
CE Inlet Vol. Eff.	%	85.42	93.48
Avg. Inlet Vol. Eff.	%	69.70	93.61
HE Clearance Req'd.	%	61.18	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	41.40	0.00
HE Clearance Added	IN3	175.7	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	21313	3357
Internal Gas Load - C	LBF	-23551	-7381
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17177	27118
Combined Rod Load - C	LBF	-22100	-23352
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	1.281
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		0.975	0.954
Z Discharge		0.976	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	260.00	
Inlet Press. @ Cyl Flg	PSIG	257.30	477.81
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	496.95	604.65
Disch. Line Pressure	PSIG		600.00
Ratio of Compression		1.881	1.258
Adiabatic Disch. Temp.	F	214.03	160.43
Est Actual Disch Temp	F	231.56	172.86
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	293.4	157.9
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	423.07	

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	291.9	116.6
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	29.23	78.44
CE Disch. Vol. Eff.	%	52.47	78.21
HE Inlet Vol. Eff.	%	48.07	93.75
CE Inlet Vol. Eff.	%	86.29	93.47
Avg. Inlet Vol. Eff.	%	67.18	93.61
HE Clearance Req'd.	%	75.21	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	54.28	0.00
HE Clearance Added	IN3	230.4	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	20504	3361
Internal Gas Load - C	LBF	-22524	-7384
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16561	27115
Combined Rod Load - C	LBF	-22043	-23351
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)		1.271	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		0.974	0.954
Z Discharge		0.975	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	270.00	
Inlet Press. @ Cyl Flg	PSIG	267.20	477.98
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	497.13	604.65
Disch. Line Pressure	PSIG		600.00
Ratio of Compression		1.816	1.257
Adiabatic Disch. Temp.	F	209.24	160.39
Est Actual Disch Temp	F	226.33	172.82
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	282.7	157.9
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	407.18	

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	276.0	116.5
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	26.63	78.47
CE Disch. Vol. Eff.	%	54.48	78.24
HE Inlet Vol. Eff.	%	42.58	93.75
CE Inlet Vol. Eff.	%	87.10	93.48
Avg. Inlet Vol. Eff.	%	64.84	93.62
HE Clearance Req'd.	%	90.25	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	68.09	0.00
HE Clearance Added	IN3	289.1	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	19309	3356
Internal Gas Load - C	LBF	-21735	-7380
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15474	27119
Combined Rod Load - C	LBF	-22185	-23352
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)		1.272	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		0.973	0.954
Z Discharge		0.974	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	280.00	
Inlet Press. @ Cyl Flg	PSIG	277.10	477.98
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	497.13	604.65
Disch. Line Pressure	PSIG		600.00
Ratio of Compression		1.754	1.257
Adiabatic Disch. Temp.	F	204.57	160.39
Est Actual Disch Temp	F	221.43	172.82
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	272.8	157.9
CAPACITY ACTUAL WET	MMSCFD	7.05	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	392.39	

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	261.3	116.5
Capacity Wet/ Cylinder	MMSCFD	7.05	7.03
HE Disch. Vol. Eff.	%	24.07	78.46
CE Disch. Vol. Eff.	%	56.48	78.24
HE Inlet Vol. Eff.	%	37.45	93.75
CE Inlet Vol. Eff.	%	87.87	93.48
Avg. Inlet Vol. Eff.	%	62.66	93.62
HE Clearance Req'd.	%	106.65	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	83.15	0.00
HE Clearance Added	IN3	353.0	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	18328	3356
Internal Gas Load - C	LBF	-20967	-7380
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14491	27119
Combined Rod Load - C	LBF	-22206	-23352
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	1.281
Avg. Vol. Expon. (N)		1.272	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		0.972	0.954
Z Discharge		0.973	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	290.00	
Inlet Press. @ Cyl Flg	PSIG	287.00	477.98
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	497.12	604.65
Disch. Line Pressure	PSIG		600.00
Ratio of Compression		1.696	1.257
Adiabatic Disch. Temp.	F	200.07	160.39
Est Actual Disch Temp	F	216.75	172.82
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	263.5	157.9
CAPACITY ACTUAL WET	MMSCFD	7.05	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	378.36	

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	247.2	116.5
Capacity Wet/ Cylinder	MMSCFD	7.05	7.03
HE Disch. Vol. Eff.	%	21.55	78.46
CE Disch. Vol. Eff.	%	58.48	78.24
HE Inlet Vol. Eff.	%	32.65	93.75
CE Inlet Vol. Eff.	%	88.59	93.48
Avg. Inlet Vol. Eff.	%	60.62	93.62
HE Clearance Req'd.	%	124.52	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	99.56	0.00
HE Clearance Added	IN3	422.7	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	17068	3356
Internal Gas Load - C	LBF	-19790	-7380
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14905	27119
Combined Rod Load - C	LBF	-22181	-23352
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)		1.271	1.281
Avg. Vol. Expon. (N)		1.273	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		0.971	0.954
Z Discharge		0.972	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	300.00	
Inlet Press. @ Cyl Flg	PSIG	296.90	477.98
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	497.12	604.65
Disch. Line Pressure	PSIG		600.00
Ratio of Compression		1.643	1.257
Adiabatic Disch. Temp.	F	195.72	160.39
Est Actual Disch Temp	F	212.22	172.82
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	254.9	157.9
CAPACITY ACTUAL WET	MMSCFD	7.05	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	364.86	

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	233.7	116.5
Capacity Wet/ Cylinder	MMSCFD	7.05	7.03
HE Disch. Vol. Eff.	%	19.07	78.46
CE Disch. Vol. Eff.	%	60.45	78.24
HE Inlet Vol. Eff.	%	28.16	93.75
CE Inlet Vol. Eff.	%	89.27	93.48
Avg. Inlet Vol. Eff.	%	58.71	93.62
HE Clearance Req'd.	%	144.11	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	? %	117.55	0.00
HE Clearance Added	IN3	499.0	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	15839	3356
Internal Gas Load - C	LBF	-18557	-7380
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15572	27119
Combined Rod Load - C	LBF	-22157	-23352
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)		1.262	1.280
Avg. Vol. Expon. (N)		1.266	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		0.980	0.956
Z Discharge		0.982	0.956
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	200.00	
Inlet Press. @ Cyl Flg	PSIG	197.89	458.01
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	476.38	624.80
Disch. Line Pressure	PSIG		620.00
Ratio of Compression		2.310	1.353
Adiabatic Disch. Temp.	F	241.95	170.27
Est Actual Disch Temp	F	261.45	183.02
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	356.5	155.4
CAPACITY ACTUAL WET	MMSCFD	6.66	6.63
CAPACITY ACTUAL DRY	MMSCFD	6.59	6.59
TOTAL COMPRESSOR POWER	HP	513.68	

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	362.2	136.9
Capacity Wet/ Cylinder	MMSCFD	6.66	6.63
HE Disch. Vol. Eff.	%	41.77	72.95
CE Disch. Vol. Eff.	%	41.86	72.65
HE Inlet Vol. Eff.	%	80.94	92.29
CE Inlet Vol. Eff.	%	81.13	91.92
Avg. Inlet Vol. Eff.	%	81.03	92.11
HE Clearance Req'd.	%	16.10	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	0.00	0.00
HE Clearance Added	IN3	0.0	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	22464	4483
Internal Gas Load - C	LBF	-25528	-8533
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	22005	26151
Combined Rod Load - C	LBF	-21819	-23163
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)		1.263	1.281
Avg. Vol. Expon. (N)		1.266	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		0.979	0.954
Z Discharge		0.981	0.955
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	210.00	
Inlet Press. @ Cyl Flg	PSIG	207.79	476.65
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	495.75	624.80
Disch. Line Pressure	PSIG		620.00
Ratio of Compression		2.294	1.302
Adiabatic Disch. Temp.	F	241.15	165.09
Est Actual Disch Temp	F	260.45	177.70
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	357.4	156.8
CAPACITY ACTUAL WET	MMSCFD	7.00	6.96
CAPACITY ACTUAL DRY	MMSCFD	6.93	6.93
TOTAL COMPRESSOR POWER	HP	520.15	

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	376.9	128.6
Capacity Wet/ Cylinder	MMSCFD	7.00	6.96
HE Disch. Vol. Eff.	%	42.12	75.82
CE Disch. Vol. Eff.	%	42.22	75.57
HE Inlet Vol. Eff.	%	81.15	93.07
CE Inlet Vol. Eff.	%	81.33	92.76
Avg. Inlet Vol. Eff.	%	81.24	92.91
HE Clearance Req'd.	%	16.10	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	0.00	0.00
HE Clearance Added	IN3	0.0	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	23229	3956
Internal Gas Load - C	LBF	-26421	-8062
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	22150	26634
Combined Rod Load - C	LBF	-22254	-23267
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)		1.263	1.281
Avg. Vol. Expon. (N)		1.267	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		0.978	0.954
Z Discharge		0.980	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	220.00	
Inlet Press. @ Cyl Flg	PSIG	217.69	480.65
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	499.90	624.80
Disch. Line Pressure	PSIG		620.00
Ratio of Compression		2.214	1.291
Adiabatic Disch. Temp.	F	236.31	164.00
Est Actual Disch Temp	F	255.40	176.57
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	345.2	157.0
CAPACITY ACTUAL WET	MMSCFD	7.07	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	506.30	

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	364.9	126.8
Capacity Wet/ Cylinder	MMSCFD	7.07	7.03
HE Disch. Vol. Eff.	%	39.97	76.44
CE Disch. Vol. Eff.	%	43.94	76.19
HE Inlet Vol. Eff.	%	74.85	93.24
CE Inlet Vol. Eff.	%	82.28	92.93
Avg. Inlet Vol. Eff.	%	78.56	93.08
HE Clearance Req'd.	%	24.41	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	7.63	0.00
HE Clearance Added	IN3	32.4	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	3842
Internal Gas Load - C	LBF	-26001	-7960
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	19512	26738
Combined Rod Load - C	LBF	-22163	-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)		1.264	1.281
Avg. Vol. Expon. (N)		1.268	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	0.954
Z Discharge		0.979	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	230.00	
Inlet Press. @ Cyl Flg	PSIG	227.59	480.65
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	499.91	624.80
Disch. Line Pressure	PSIG		620.00
Ratio of Compression		2.124	1.291
Adiabatic Disch. Temp.	F	230.60	164.00
Est Actual Disch Temp	F	249.37	176.57
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	330.6	157.0
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	487.63	

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	346.2	126.8
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	37.20	76.44
CE Disch. Vol. Eff.	%	46.02	76.19
HE Inlet Vol. Eff.	%	67.37	93.24
CE Inlet Vol. Eff.	%	83.35	92.93
Avg. Inlet Vol. Eff.	%	75.36	93.08
HE Clearance Req'd.	%	35.60	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	17.90	0.00
HE Clearance Added	IN3	76.0	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	22544	3842
Internal Gas Load - C	LBF	-25515	-7960
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17143	26738
Combined Rod Load - C	LBF	-22048	-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)		1.265	1.281
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		0.976	0.954
Z Discharge		0.978	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	240.00	
Inlet Press. @ Cyl Flg	PSIG	237.49	480.59
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	499.84	624.80
Disch. Line Pressure	PSIG		620.00
Ratio of Compression		2.040	1.291
Adiabatic Disch. Temp.	F	225.10	164.02
Est Actual Disch Temp	F	243.51	176.59
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	317.2	157.0
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	469.62	

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	328.2	126.8
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	34.48	76.43
CE Disch. Vol. Eff.	%	48.09	76.18
HE Inlet Vol. Eff.	%	60.48	93.23
CE Inlet Vol. Eff.	%	84.36	92.92
Avg. Inlet Vol. Eff.	%	72.42	93.08
HE Clearance Req'd.	%	47.56	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	28.89	0.00
HE Clearance Added	IN3	122.6	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	21923	3844
Internal Gas Load - C	LBF	-24686	-7962
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17354	26737
Combined Rod Load - C	LBF	-22068	-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)		1.266	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		0.975	0.954
Z Discharge		0.977	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	250.00	
Inlet Press. @ Cyl Flg	PSIG	247.40	480.55
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	499.80	624.80
Disch. Line Pressure	PSIG		620.00
Ratio of Compression		1.963	1.291
Adiabatic Disch. Temp.	F	219.85	164.03
Est Actual Disch Temp	F	237.84	176.60
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	304.9	157.0
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	452.30	

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	310.9	126.8
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	31.81	76.42
CE Disch. Vol. Eff.	%	50.14	76.17
HE Inlet Vol. Eff.	%	54.10	93.23
CE Inlet Vol. Eff.	%	85.29	92.92
Avg. Inlet Vol. Eff.	%	69.70	93.08
HE Clearance Req'd.	%	60.38	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	40.66	0.00
HE Clearance Added	IN3	172.6	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	21515	3845
Internal Gas Load - C	LBF	-23761	-7963
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17216	26736
Combined Rod Load - C	LBF	-22112	-23289
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	1.281
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		0.975	0.954
Z Discharge		0.976	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	260.00	
Inlet Press. @ Cyl Flg	PSIG	257.30	480.66
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	499.91	624.80
Disch. Line Pressure	PSIG		620.00
Ratio of Compression		1.892	1.291
Adiabatic Disch. Temp.	F	214.83	164.00
Est Actual Disch Temp	F	232.40	176.57
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	293.4	157.0
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	435.72	

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	294.3	126.8
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	29.18	76.44
CE Disch. Vol. Eff.	%	52.16	76.19
HE Inlet Vol. Eff.	%	48.20	93.24
CE Inlet Vol. Eff.	%	86.16	92.93
Avg. Inlet Vol. Eff.	%	67.18	93.08
HE Clearance Req'd.	%	74.13	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	53.29	0.00
HE Clearance Added	IN3	226.3	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	20725	3842
Internal Gas Load - C	LBF	-22753	-7960
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16591	26738
Combined Rod Load - C	LBF	-22057	-23289
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)		1.271	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		0.974	0.954
Z Discharge		0.975	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	270.00	
Inlet Press. @ Cyl Flg	PSIG	267.20	480.66
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	499.91	624.80
Disch. Line Pressure	PSIG		620.00
Ratio of Compression		1.826	1.291
Adiabatic Disch. Temp.	F	209.99	164.00
Est Actual Disch Temp	F	227.12	176.57
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	282.7	157.0
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	419.75	

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	278.4	126.8
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	26.59	76.44
CE Disch. Vol. Eff.	%	54.17	76.19
HE Inlet Vol. Eff.	%	42.69	93.24
CE Inlet Vol. Eff.	%	86.98	92.93
Avg. Inlet Vol. Eff.	%	64.84	93.08
HE Clearance Req'd.	%	89.02	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	66.96	0.00
HE Clearance Added	IN3	284.3	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	19514	3842
Internal Gas Load - C	LBF	-21973	-7960
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15704	26738
Combined Rod Load - C	LBF	-22092	-23289
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	1.281
Avg. Vol. Expon. (N)		1.272	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		0.973	0.954
Z Discharge		0.974	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	280.00	
Inlet Press. @ Cyl Flg	PSIG	277.10	480.66
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	499.91	624.80
Disch. Line Pressure	PSIG		620.00
Ratio of Compression		1.764	1.291
Adiabatic Disch. Temp.	F	205.32	164.00
Est Actual Disch Temp	F	222.17	176.57
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	272.8	157.0
CAPACITY ACTUAL WET	MMSCFD	7.05	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	404.84	

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	263.4	126.8
Capacity Wet/ Cylinder	MMSCFD	7.05	7.03
HE Disch. Vol. Eff.	%	24.04	76.44
CE Disch. Vol. Eff.	%	56.17	76.19
HE Inlet Vol. Eff.	%	37.56	93.24
CE Inlet Vol. Eff.	%	87.75	92.93
Avg. Inlet Vol. Eff.	%	62.65	93.08
HE Clearance Req'd.	%	105.17	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	81.79	0.00
HE Clearance Added	IN3	347.2	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	18531	3842
Internal Gas Load - C	LBF	-21181	-7960
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14489	26738
Combined Rod Load - C	LBF	-22217	-23289
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	1.281
Avg. Vol. Expon. (N)		1.272	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		0.972	0.954
Z Discharge		0.973	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	290.00	
Inlet Press. @ Cyl Flg	PSIG	287.00	480.66
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	499.91	624.80
Disch. Line Pressure	PSIG		620.00
Ratio of Compression		1.706	1.291
Adiabatic Disch. Temp.	F	200.81	164.00
Est Actual Disch Temp	F	217.49	176.57
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	263.5	157.0
CAPACITY ACTUAL WET	MMSCFD	7.05	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	390.79	

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	249.4	126.8
Capacity Wet/ Cylinder	MMSCFD	7.05	7.03
HE Disch. Vol. Eff.	%	21.53	76.44
CE Disch. Vol. Eff.	%	58.15	76.19
HE Inlet Vol. Eff.	%	32.76	93.24
CE Inlet Vol. Eff.	%	88.47	92.93
Avg. Inlet Vol. Eff.	%	60.62	93.08
HE Clearance Req'd.	%	122.75	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	97.93	0.00
HE Clearance Added	IN3	415.8	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	17300	3842
Internal Gas Load - C	LBF	-20001	-7960
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14708	26738
Combined Rod Load - C	LBF	-22192	-23289
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	1.281
Avg. Vol. Expon. (N)		1.273	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		0.971	0.954
Z Discharge		0.972	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	300.00	
Inlet Press. @ Cyl Flg	PSIG	296.90	480.66
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	499.91	624.80
Disch. Line Pressure	PSIG		620.00
Ratio of Compression		1.651	1.291
Adiabatic Disch. Temp.	F	196.46	164.00
Est Actual Disch Temp	F	212.97	176.57
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	254.9	157.0
CAPACITY ACTUAL WET	MMSCFD	7.05	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	377.28	

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	235.9	126.8
Capacity Wet/ Cylinder	MMSCFD	7.05	7.03
HE Disch. Vol. Eff.	%	19.06	76.44
CE Disch. Vol. Eff.	%	60.12	76.19
HE Inlet Vol. Eff.	%	28.26	93.24
CE Inlet Vol. Eff.	%	89.16	92.93
Avg. Inlet Vol. Eff.	%	58.71	93.08
HE Clearance Req'd.	%	141.98	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	? %	115.60	0.00
HE Clearance Added	IN3	490.8	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	16067	3842
Internal Gas Load - C	LBF	-18766	-7960
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15374	26738
Combined Rod Load - C	LBF	-22169	-23289
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)		1.262	1.280
Avg. Vol. Expon. (N)		1.266	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		0.980	0.955
Z Discharge		0.982	0.956
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	200.00	
Inlet Press. @ Cyl Flg	PSIG	197.89	460.06
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	478.51	644.96
Disch. Line Pressure	PSIG		640.00
Ratio of Compression		2.320	1.389
Adiabatic Disch. Temp.	F	242.56	173.93
Est Actual Disch Temp	F	262.10	186.77
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	356.0	154.5
CAPACITY ACTUAL WET	MMSCFD	6.65	6.62
CAPACITY ACTUAL DRY	MMSCFD	6.58	6.58
TOTAL COMPRESSOR POWER	HP	524.51	

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	363.5	146.4
Capacity Wet/ Cylinder	MMSCFD	6.65	6.62
HE Disch. Vol. Eff.	%	41.56	71.03
CE Disch. Vol. Eff.	%	41.66	70.72
HE Inlet Vol. Eff.	%	80.82	91.75
CE Inlet Vol. Eff.	%	81.01	91.35
Avg. Inlet Vol. Eff.	%	80.92	91.55
HE Clearance Req'd.	%	16.10	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	0.00	0.00
HE Clearance Added	IN3	0.0	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	22625	4982
Internal Gas Load - C	LBF	-25699	-9123
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	22006	26115
Combined Rod Load - C	LBF	-21819	-23140
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)		1.262	1.281
Avg. Vol. Expon. (N)		1.266	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		0.979	0.954
Z Discharge		0.981	0.955
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	210.00	
Inlet Press. @ Cyl Flg	PSIG	207.79	478.77
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	497.95	644.96
Disch. Line Pressure	PSIG		640.00
Ratio of Compression		2.304	1.337
Adiabatic Disch. Temp.	F	241.76	168.74
Est Actual Disch Temp	F	261.09	181.46
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	356.9	155.8
CAPACITY ACTUAL WET	MMSCFD	6.99	6.95
CAPACITY ACTUAL DRY	MMSCFD	6.92	6.92
TOTAL COMPRESSOR POWER	HP	531.55	

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	378.3	138.7
Capacity Wet/ Cylinder	MMSCFD	6.99	6.95
HE Disch. Vol. Eff.	%	41.92	73.85
CE Disch. Vol. Eff.	%	42.01	73.57
HE Inlet Vol. Eff.	%	81.03	92.55
CE Inlet Vol. Eff.	%	81.22	92.19
Avg. Inlet Vol. Eff.	%	81.13	92.37
HE Clearance Req'd.	%	16.10	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	0.00	0.00
HE Clearance Added	IN3	0.0	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	23395	4455
Internal Gas Load - C	LBF	-26598	-8653
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	22151	26239
Combined Rod Load - C	LBF	-22255	-23280
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)		1.263	1.281
Avg. Vol. Expon. (N)		1.267	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		0.978	0.953
Z Discharge		0.980	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	220.00	
Inlet Press. @ Cyl Flg	PSIG	217.69	483.30
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	502.66	644.96
Disch. Line Pressure	PSIG		640.00
Ratio of Compression		2.226	1.325
Adiabatic Disch. Temp.	F	237.07	167.51
Est Actual Disch Temp	F	256.19	180.20
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	345.2	156.2
CAPACITY ACTUAL WET	MMSCFD	7.07	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	518.56	

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	367.3	136.7
Capacity Wet/ Cylinder	MMSCFD	7.07	7.03
HE Disch. Vol. Eff.	%	39.87	74.53
CE Disch. Vol. Eff.	%	43.68	74.25
HE Inlet Vol. Eff.	%	74.98	92.73
CE Inlet Vol. Eff.	%	82.14	92.39
Avg. Inlet Vol. Eff.	%	78.56	92.56
HE Clearance Req'd.	%	24.03	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	7.28	0.00
HE Clearance Added	IN3	30.9	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	23160	4327
Internal Gas Load - C	LBF	-26207	-8539
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	19533	26357
Combined Rod Load - C	LBF	-22174	-23305
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)		1.264	1.281
Avg. Vol. Expon. (N)		1.268	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	0.953
Z Discharge		0.979	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	230.00	
Inlet Press. @ Cyl Flg	PSIG	227.59	483.15
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	502.50	644.96
Disch. Line Pressure	PSIG		640.00
Ratio of Compression		2.135	1.325
Adiabatic Disch. Temp.	F	231.30	167.55
Est Actual Disch Temp	F	250.11	180.24
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	330.6	156.2
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	499.80	

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	348.4	136.7
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	37.11	74.50
CE Disch. Vol. Eff.	%	45.77	74.23
HE Inlet Vol. Eff.	%	67.49	92.72
CE Inlet Vol. Eff.	%	83.23	92.38
Avg. Inlet Vol. Eff.	%	75.36	92.55
HE Clearance Req'd.	%	35.12	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	17.47	0.00
HE Clearance Added	IN3	74.2	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	22738	4331
Internal Gas Load - C	LBF	-25719	-8543
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17192	26353
Combined Rod Load - C	LBF	-22060	-23305
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)		1.265	1.281
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		0.976	0.953
Z Discharge		0.978	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	240.00	
Inlet Press. @ Cyl Flg	PSIG	237.49	483.27
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	502.63	644.96
Disch. Line Pressure	PSIG		640.00
Ratio of Compression		2.051	1.325
Adiabatic Disch. Temp.	F	225.86	167.52
Est Actual Disch Temp	F	244.30	180.21
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	317.2	156.2
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	481.85	

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	330.5	136.7
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	34.40	74.52
CE Disch. Vol. Eff.	%	47.81	74.25
HE Inlet Vol. Eff.	%	60.60	92.73
CE Inlet Vol. Eff.	%	84.23	92.39
Avg. Inlet Vol. Eff.	%	72.42	92.56
HE Clearance Req'd.	%	46.91	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	28.30	0.00
HE Clearance Added	IN3	120.1	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	22132	4327
Internal Gas Load - C	LBF	-24905	-8540
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17352	26356
Combined Rod Load - C	LBF	-21988	-23305
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	1.281
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		0.975	0.953
Z Discharge		0.977	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	250.00	
Inlet Press. @ Cyl Flg	PSIG	247.40	483.13
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	502.48	644.96
Disch. Line Pressure	PSIG		640.00
Ratio of Compression		1.973	1.325
Adiabatic Disch. Temp.	F	220.57	167.56
Est Actual Disch Temp	F	238.60	180.24
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	304.9	156.2
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	464.48	

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	313.1	136.8
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	31.74	74.50
CE Disch. Vol. Eff.	%	49.86	74.23
HE Inlet Vol. Eff.	%	54.22	92.72
CE Inlet Vol. Eff.	%	85.17	92.38
Avg. Inlet Vol. Eff.	%	69.70	92.55
HE Clearance Req'd.	%	59.61	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	39.95	0.00
HE Clearance Added	IN3	169.6	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	21716	4332
Internal Gas Load - C	LBF	-23970	-8543
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17392	26353
Combined Rod Load - C	LBF	-22123	-23304
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	1.281
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		0.975	0.953
Z Discharge		0.976	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	260.00	
Inlet Press. @ Cyl Flg	PSIG	257.30	483.31
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	502.66	644.96
Disch. Line Pressure	PSIG		640.00
Ratio of Compression		1.902	1.325
Adiabatic Disch. Temp.	F	215.58	167.51
Est Actual Disch Temp	F	233.18	180.20
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	293.4	156.2
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	447.91	

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	296.6	136.7
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	29.12	74.53
CE Disch. Vol. Eff.	%	51.87	74.25
HE Inlet Vol. Eff.	%	48.31	92.73
CE Inlet Vol. Eff.	%	86.04	92.39
Avg. Inlet Vol. Eff.	%	67.18	92.56
HE Clearance Req'd.	%	73.16	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	52.40	0.00
HE Clearance Added	IN3	222.5	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	20930	4326
Internal Gas Load - C	LBF	-22966	-8539
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16619	26357
Combined Rod Load - C	LBF	-22069	-23305
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)		1.268	1.281
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		0.974	0.953
Z Discharge		0.975	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	270.00	
Inlet Press. @ Cyl Flg	PSIG	267.20	483.31
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	502.66	644.96
Disch. Line Pressure	PSIG		640.00
Ratio of Compression		1.835	1.325
Adiabatic Disch. Temp.	F	210.73	167.51
Est Actual Disch Temp	F	227.90	180.20
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	282.7	156.2
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	431.92	

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	280.6	136.7
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	26.55	74.53
CE Disch. Vol. Eff.	%	53.87	74.25
HE Inlet Vol. Eff.	%	42.81	92.73
CE Inlet Vol. Eff.	%	86.86	92.39
Avg. Inlet Vol. Eff.	%	64.83	92.56
HE Clearance Req'd.	%	87.84	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	65.88	0.00
HE Clearance Added	IN3	279.7	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	19745	4327
Internal Gas Load - C	LBF	-22209	-8539
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15932	26357
Combined Rod Load - C	LBF	-22019	-23305
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	170.0	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	1.281
Avg. Vol. Expon. (N)		1.272	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		0.973	0.953
Z Discharge		0.974	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	280.00	
Inlet Press. @ Cyl Flg	PSIG	277.10	483.31
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	502.66	644.96
Disch. Line Pressure	PSIG		640.00
Ratio of Compression		1.773	1.325
Adiabatic Disch. Temp.	F	206.05	167.51
Est Actual Disch Temp	F	222.91	180.20
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	272.8	156.2
CAPACITY ACTUAL WET	MMSCFD	7.05	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	416.89	

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	265.6	136.7
Capacity Wet/ Cylinder	MMSCFD	7.05	7.03
HE Disch. Vol. Eff.	%	24.01	74.53
CE Disch. Vol. Eff.	%	55.86	74.25
HE Inlet Vol. Eff.	%	37.67	92.73
CE Inlet Vol. Eff.	%	87.63	92.39
Avg. Inlet Vol. Eff.	%	62.65	92.56
HE Clearance Req'd.	%	103.74	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	80.48	0.00
HE Clearance Added	IN3	341.7	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	18731	4327
Internal Gas Load - C	LBF	-21392	-8539
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14488	26357
Combined Rod Load - C	LBF	-22227	-23305
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	1.281
Avg. Vol. Expon. (N)		1.272	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		0.972	0.953
Z Discharge		0.973	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	290.00	
Inlet Press. @ Cyl Flg	PSIG	287.00	483.31
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	502.66	644.96
Disch. Line Pressure	PSIG		640.00
Ratio of Compression		1.715	1.325
Adiabatic Disch. Temp.	F	201.55	167.51
Est Actual Disch Temp	F	218.23	180.20
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	263.5	156.2
CAPACITY ACTUAL WET	MMSCFD	7.05	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	402.83	

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	251.5	136.7
Capacity Wet/ Cylinder	MMSCFD	7.05	7.03
HE Disch. Vol. Eff.	%	21.51	74.53
CE Disch. Vol. Eff.	%	57.84	74.25
HE Inlet Vol. Eff.	%	32.87	92.73
CE Inlet Vol. Eff.	%	88.36	92.39
Avg. Inlet Vol. Eff.	%	60.61	92.56
HE Clearance Req'd.	%	121.04	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	96.36	0.00
HE Clearance Added	IN3	409.1	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	17530	4327
Internal Gas Load - C	LBF	-20210	-8539
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14512	26357
Combined Rod Load - C	LBF	-22203	-23305
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	1.281
Avg. Vol. Expon. (N)		1.273	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		0.971	0.953
Z Discharge		0.972	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	300.00	
Inlet Press. @ Cyl Flg	PSIG	296.90	483.30
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	502.66	644.96
Disch. Line Pressure	PSIG		640.00
Ratio of Compression		1.660	1.325
Adiabatic Disch. Temp.	F	197.20	167.51
Est Actual Disch Temp	F	213.70	180.20
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	254.9	156.2
CAPACITY ACTUAL WET	MMSCFD	7.05	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	389.31	

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	238.0	136.7
Capacity Wet/ Cylinder	MMSCFD	7.05	7.03
HE Disch. Vol. Eff.	%	19.05	74.53
CE Disch. Vol. Eff.	%	59.80	74.25
HE Inlet Vol. Eff.	%	28.37	92.73
CE Inlet Vol. Eff.	%	89.05	92.39
Avg. Inlet Vol. Eff.	%	58.71	92.56
HE Clearance Req'd.	%	139.94	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	? %	113.72	0.00
HE Clearance Added	IN3	482.8	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	16292	4327
Internal Gas Load - C	LBF	-18973	-8539
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15179	26357
Combined Rod Load - C	LBF	-22180	-23305
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)		1.262	1.279
Avg. Vol. Expon. (N)		1.266	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		0.980	0.955
Z Discharge		0.982	0.956
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	200.00	
Inlet Press. @ Cyl Flg	PSIG	197.89	462.14
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	480.67	665.11
Disch. Line Pressure	PSIG		660.00
Ratio of Compression		2.330	1.426
Adiabatic Disch. Temp.	F	243.18	177.47
Est Actual Disch Temp	F	262.75	190.38
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	355.4	153.5
CAPACITY ACTUAL WET	MMSCFD	6.64	6.61
CAPACITY ACTUAL DRY	MMSCFD	6.58	6.58
TOTAL COMPRESSOR POWER	HP	535.00	

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	364.8	155.6
Capacity Wet/ Cylinder	MMSCFD	6.64	6.61
HE Disch. Vol. Eff.	%	41.36	69.23
CE Disch. Vol. Eff.	%	41.46	68.89
HE Inlet Vol. Eff.	%	80.70	91.23
CE Inlet Vol. Eff.	%	80.89	90.78
Avg. Inlet Vol. Eff.	%	80.80	91.00
HE Clearance Req'd.	%	16.10	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	0.00	0.00
HE Clearance Added	IN3	0.0	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	22788	5478
Internal Gas Load - C	LBF	-25874	-9711
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	22006	25850
Combined Rod Load - C	LBF	-21820	-23066
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)		1.262	1.281
Avg. Vol. Expon. (N)		1.266	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		0.979	0.954
Z Discharge		0.981	0.955
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	210.00	
Inlet Press. @ Cyl Flg	PSIG	207.79	480.86
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	500.12	665.11
Disch. Line Pressure	PSIG		660.00
Ratio of Compression		2.314	1.372
Adiabatic Disch. Temp.	F	242.36	172.29
Est Actual Disch Temp	F	261.72	185.10
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	356.4	154.9
CAPACITY ACTUAL WET	MMSCFD	6.98	6.94
CAPACITY ACTUAL DRY	MMSCFD	6.91	6.91
TOTAL COMPRESSOR POWER	HP	542.57	

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	379.6	148.3
Capacity Wet/ Cylinder	MMSCFD	6.98	6.94
HE Disch. Vol. Eff.	%	41.72	71.98
CE Disch. Vol. Eff.	%	41.82	71.67
HE Inlet Vol. Eff.	%	80.92	92.03
CE Inlet Vol. Eff.	%	81.11	91.64
Avg. Inlet Vol. Eff.	%	81.01	91.83
HE Clearance Req'd.	%	16.10	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	0.00	0.00
HE Clearance Added	IN3	0.0	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	23558	4953
Internal Gas Load - C	LBF	-26773	-9244
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	22151	26081
Combined Rod Load - C	LBF	-22255	-23293
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)		1.263	1.281
Avg. Vol. Expon. (N)		1.267	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		0.978	0.953
Z Discharge		0.980	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	220.00	
Inlet Press. @ Cyl Flg	PSIG	217.69	485.93
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	505.38	665.11
Disch. Line Pressure	PSIG		660.00
Ratio of Compression		2.238	1.358
Adiabatic Disch. Temp.	F	237.81	170.92
Est Actual Disch Temp	F	256.96	183.70
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	345.2	155.3
CAPACITY ACTUAL WET	MMSCFD	7.07	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	530.45	

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	369.6	146.3
Capacity Wet/ Cylinder	MMSCFD	7.07	7.03
HE Disch. Vol. Eff.	%	39.77	72.72
CE Disch. Vol. Eff.	%	43.43	72.42
HE Inlet Vol. Eff.	%	75.11	92.23
CE Inlet Vol. Eff.	%	82.01	91.86
Avg. Inlet Vol. Eff.	%	78.56	92.05
HE Clearance Req'd.	%	23.66	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	6.95	0.00
HE Clearance Added	IN3	29.5	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	23314	4810
Internal Gas Load - C	LBF	-26421	-9116
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	19597	26072
Combined Rod Load - C	LBF	-22186	-23322
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)		1.264	1.281
Avg. Vol. Expon. (N)		1.268	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	0.953
Z Discharge		0.979	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	230.00	
Inlet Press. @ Cyl Flg	PSIG	227.59	485.87
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	505.33	665.11
Disch. Line Pressure	PSIG		660.00
Ratio of Compression		2.146	1.358
Adiabatic Disch. Temp.	F	232.07	170.94
Est Actual Disch Temp	F	250.91	183.71
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	330.6	155.3
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	511.72	

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	350.8	146.3
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	37.03	72.71
CE Disch. Vol. Eff.	%	45.50	72.41
HE Inlet Vol. Eff.	%	67.62	92.23
CE Inlet Vol. Eff.	%	83.09	91.86
Avg. Inlet Vol. Eff.	%	75.36	92.04
HE Clearance Req'd.	%	34.62	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	17.01	0.00
HE Clearance Added	IN3	72.2	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	22950	4812
Internal Gas Load - C	LBF	-25941	-9118
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17247	26072
Combined Rod Load - C	LBF	-22073	-23321
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)		1.265	1.281
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		0.976	0.953
Z Discharge		0.978	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	240.00	
Inlet Press. @ Cyl Flg	PSIG	237.49	485.82
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	505.27	665.11
Disch. Line Pressure	PSIG		660.00
Ratio of Compression		2.062	1.358
Adiabatic Disch. Temp.	F	226.58	170.95
Est Actual Disch Temp	F	245.05	183.73
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	317.2	155.3
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	493.68	

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	332.8	146.3
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	34.33	72.70
CE Disch. Vol. Eff.	%	47.55	72.41
HE Inlet Vol. Eff.	%	60.72	92.23
CE Inlet Vol. Eff.	%	84.10	91.85
Avg. Inlet Vol. Eff.	%	72.41	92.04
HE Clearance Req'd.	%	46.31	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	27.74	0.00
HE Clearance Added	IN3	117.8	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	22330	4813
Internal Gas Load - C	LBF	-25112	-9119
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17351	26072
Combined Rod Load - C	LBF	-21973	-23321
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	1.281
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		0.975	0.953
Z Discharge		0.977	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	250.00	
Inlet Press. @ Cyl Flg	PSIG	247.40	485.93
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	505.39	665.11
Disch. Line Pressure	PSIG		660.00
Ratio of Compression		1.984	1.358
Adiabatic Disch. Temp.	F	221.35	170.92
Est Actual Disch Temp	F	239.42	183.70
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	304.9	155.3
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	476.40	

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	315.5	146.3
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	31.68	72.72
CE Disch. Vol. Eff.	%	49.57	72.42
HE Inlet Vol. Eff.	%	54.35	92.23
CE Inlet Vol. Eff.	%	85.04	91.86
Avg. Inlet Vol. Eff.	%	69.69	92.05
HE Clearance Req'd.	%	58.79	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	39.20	0.00
HE Clearance Added	IN3	166.4	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	21934	4810
Internal Gas Load - C	LBF	-24197	-9116
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17613	26072
Combined Rod Load - C	LBF	-22136	-23322
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	1.281
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		0.975	0.953
Z Discharge		0.976	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	260.00	
Inlet Press. @ Cyl Flg	PSIG	257.30	485.93
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	505.39	665.11
Disch. Line Pressure	PSIG		660.00
Ratio of Compression		1.912	1.358
Adiabatic Disch. Temp.	F	216.31	170.92
Est Actual Disch Temp	F	233.95	183.70
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	293.4	155.3
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	459.74	

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	298.9	146.3
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	29.07	72.72
CE Disch. Vol. Eff.	%	51.58	72.42
HE Inlet Vol. Eff.	%	48.43	92.23
CE Inlet Vol. Eff.	%	85.92	91.86
Avg. Inlet Vol. Eff.	%	67.17	92.05
HE Clearance Req'd.	%	72.22	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	51.53	0.00
HE Clearance Added	IN3	218.8	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	21133	4810
Internal Gas Load - C	LBF	-23177	-9116
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16647	26072
Combined Rod Load - C	LBF	-22081	-23322
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)		1.271	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	0.953
Z Discharge		0.975	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	270.00	
Inlet Press. @ Cyl Flg	PSIG	267.20	485.93
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	505.39	665.11
Disch. Line Pressure	PSIG		660.00
Ratio of Compression		1.845	1.358
Adiabatic Disch. Temp.	F	211.45	170.92
Est Actual Disch Temp	F	228.66	183.70
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	282.7	155.3
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	443.74	

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	282.9	146.3
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	26.51	72.72
CE Disch. Vol. Eff.	%	53.58	72.42
HE Inlet Vol. Eff.	%	42.92	92.23
CE Inlet Vol. Eff.	%	86.74	91.86
Avg. Inlet Vol. Eff.	%	64.83	92.05
HE Clearance Req'd.	%	86.70	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	64.83	0.00
HE Clearance Added	IN3	275.2	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	19980	4810
Internal Gas Load - C	LBF	-22442	-9116
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16158	26072
Combined Rod Load - C	LBF	-22032	-23322
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)		1.272	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		0.973	0.953
Z Discharge		0.974	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	280.00	
Inlet Press. @ Cyl Flg	PSIG	277.10	485.93
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	505.39	665.11
Disch. Line Pressure	PSIG		660.00
Ratio of Compression		1.782	1.358
Adiabatic Disch. Temp.	F	206.78	170.92
Est Actual Disch Temp	F	223.63	183.70
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	272.8	155.3
CAPACITY ACTUAL WET	MMSCFD	7.05	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	428.58	

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	267.7	146.3
Capacity Wet/ Cylinder	MMSCFD	7.05	7.03
HE Disch. Vol. Eff.	%	23.98	72.72
CE Disch. Vol. Eff.	%	55.56	72.42
HE Inlet Vol. Eff.	%	37.78	92.23
CE Inlet Vol. Eff.	%	87.52	91.86
Avg. Inlet Vol. Eff.	%	62.65	92.05
HE Clearance Req'd.	%	102.36	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	79.21	0.00
HE Clearance Added	IN3	336.3	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	18930	4810
Internal Gas Load - C	LBF	-21602	-9116
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14549	26072
Combined Rod Load - C	LBF	-22238	-23322
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	1.281
Avg. Vol. Expon. (N)		1.272	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		0.972	0.953
Z Discharge		0.973	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	290.00	
Inlet Press. @ Cyl Flg	PSIG	287.00	485.93
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	505.38	665.11
Disch. Line Pressure	PSIG		660.00
Ratio of Compression		1.724	1.358
Adiabatic Disch. Temp.	F	202.27	170.92
Est Actual Disch Temp	F	218.95	183.70
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	263.5	155.3
CAPACITY ACTUAL WET	MMSCFD	7.05	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	414.51	

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	253.6	146.3
Capacity Wet/ Cylinder	MMSCFD	7.05	7.03
HE Disch. Vol. Eff.	%	21.49	72.72
CE Disch. Vol. Eff.	%	57.52	72.42
HE Inlet Vol. Eff.	%	32.97	92.23
CE Inlet Vol. Eff.	%	88.25	91.86
Avg. Inlet Vol. Eff.	%	60.61	92.05
HE Clearance Req'd.	%	119.39	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	94.85	0.00
HE Clearance Added	IN3	402.7	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	17757	4810
Internal Gas Load - C	LBF	-20417	-9116
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14405	26072
Combined Rod Load - C	LBF	-22214	-23322
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	1.281
Avg. Vol. Expon. (N)		1.273	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		0.971	0.953
Z Discharge		0.972	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	300.00	
Inlet Press. @ Cyl Flg	PSIG	296.90	485.93
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	505.38	665.11
Disch. Line Pressure	PSIG		660.00
Ratio of Compression		1.669	1.358
Adiabatic Disch. Temp.	F	197.92	170.92
Est Actual Disch Temp	F	214.43	183.70
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	254.9	155.3
CAPACITY ACTUAL WET	MMSCFD	7.05	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	400.98	

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	240.1	146.3
Capacity Wet/ Cylinder	MMSCFD	7.05	7.03
HE Disch. Vol. Eff.	%	19.04	72.72
CE Disch. Vol. Eff.	%	59.48	72.42
HE Inlet Vol. Eff.	%	28.47	92.23
CE Inlet Vol. Eff.	%	88.94	91.86
Avg. Inlet Vol. Eff.	%	58.71	92.05
HE Clearance Req'd.	%	137.97	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	? %	111.91	0.00
HE Clearance Added	IN3	475.1	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	16515	4810
Internal Gas Load - C	LBF	-19177	-9116
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14986	26072
Combined Rod Load - C	LBF	-22192	-23322
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)		1.262	1.279
Avg. Vol. Expon. (N)		1.266	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		0.980	0.955
Z Discharge		0.982	0.957
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	200.00	
Inlet Press. @ Cyl Flg	PSIG	197.89	464.10
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	482.70	685.26
Disch. Line Pressure	PSIG		680.00
Ratio of Compression		2.340	1.462
Adiabatic Disch. Temp.	F	243.76	180.95
Est Actual Disch Temp	F	263.36	193.92
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	355.0	152.6
CAPACITY ACTUAL WET	MMSCFD	6.64	6.59
CAPACITY ACTUAL DRY	MMSCFD	6.57	6.56
TOTAL COMPRESSOR POWER	HP	545.14	

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	366.1	164.5
Capacity Wet/ Cylinder	MMSCFD	6.64	6.59
HE Disch. Vol. Eff.	%	41.17	67.51
CE Disch. Vol. Eff.	%	41.27	67.15
HE Inlet Vol. Eff.	%	80.59	90.70
CE Inlet Vol. Eff.	%	80.78	90.22
Avg. Inlet Vol. Eff.	%	80.69	90.46
HE Clearance Req'd.	%	16.10	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	0.00	0.00
HE Clearance Added	IN3	0.0	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	22941	5978
Internal Gas Load - C	LBF	-26038	-10302
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	22007	25500
Combined Rod Load - C	LBF	-21820	-23081
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)		1.262	1.280
Avg. Vol. Expon. (N)		1.266	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		0.979	0.953
Z Discharge		0.981	0.955
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	210.00	
Inlet Press. @ Cyl Flg	PSIG	207.79	482.92
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	502.26	685.26
Disch. Line Pressure	PSIG		680.00
Ratio of Compression		2.324	1.407
Adiabatic Disch. Temp.	F	242.94	175.75
Est Actual Disch Temp	F	262.34	188.63
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	355.9	154.1
CAPACITY ACTUAL WET	MMSCFD	6.97	6.93
CAPACITY ACTUAL DRY	MMSCFD	6.90	6.90
TOTAL COMPRESSOR POWER	HP	553.24	

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	380.9	157.7
Capacity Wet/ Cylinder	MMSCFD	6.97	6.93
HE Disch. Vol. Eff.	%	41.52	70.21
CE Disch. Vol. Eff.	%	41.62	69.88
HE Inlet Vol. Eff.	%	80.81	91.52
CE Inlet Vol. Eff.	%	81.00	91.09
Avg. Inlet Vol. Eff.	%	80.90	91.30
HE Clearance Req'd.	%	16.10	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	0.00	0.00
HE Clearance Added	IN3	0.0	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	23720	5451
Internal Gas Load - C	LBF	-26946	-9833
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	22152	26001
Combined Rod Load - C	LBF	-22256	-23200
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)		1.263	1.281
Avg. Vol. Expon. (N)		1.267	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		0.978	0.953
Z Discharge		0.980	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	220.00	
Inlet Press. @ Cyl Flg	PSIG	217.69	488.37
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	507.92	685.26
Disch. Line Pressure	PSIG		680.00
Ratio of Compression		2.249	1.391
Adiabatic Disch. Temp.	F	238.49	174.28
Est Actual Disch Temp	F	257.68	187.13
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	345.2	154.4
CAPACITY ACTUAL WET	MMSCFD	7.07	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	541.94	

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	371.7	155.6
Capacity Wet/ Cylinder	MMSCFD	7.07	7.03
HE Disch. Vol. Eff.	%	39.68	70.98
CE Disch. Vol. Eff.	%	43.19	70.67
HE Inlet Vol. Eff.	%	75.23	91.74
CE Inlet Vol. Eff.	%	81.88	91.33
Avg. Inlet Vol. Eff.	%	78.55	91.54
HE Clearance Req'd.	%	23.33	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	6.64	0.00
HE Clearance Added	IN3	28.2	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	23503	5298
Internal Gas Load - C	LBF	-26620	-9697
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	19658	26070
Combined Rod Load - C	LBF	-22196	-23290
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)		1.264	1.281
Avg. Vol. Expon. (N)		1.268	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	0.953
Z Discharge		0.979	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	230.00	
Inlet Press. @ Cyl Flg	PSIG	227.59	488.50
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	508.06	685.26
Disch. Line Pressure	PSIG		680.00
Ratio of Compression		2.158	1.391
Adiabatic Disch. Temp.	F	232.81	174.24
Est Actual Disch Temp	F	251.68	187.10
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	330.6	154.5
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	523.29	

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	353.1	155.5
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	36.94	71.00
CE Disch. Vol. Eff.	%	45.24	70.69
HE Inlet Vol. Eff.	%	67.75	91.75
CE Inlet Vol. Eff.	%	82.96	91.34
Avg. Inlet Vol. Eff.	%	75.35	91.54
HE Clearance Req'd.	%	34.14	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	16.57	0.00
HE Clearance Added	IN3	70.3	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	23155	5294
Internal Gas Load - C	LBF	-26156	-9693
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17300	26069
Combined Rod Load - C	LBF	-22085	-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)		1.265	1.281
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		0.976	0.953
Z Discharge		0.978	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	240.00	
Inlet Press. @ Cyl Flg	PSIG	237.49	488.35
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	507.90	685.26
Disch. Line Pressure	PSIG		680.00
Ratio of Compression		2.072	1.391
Adiabatic Disch. Temp.	F	227.28	174.28
Est Actual Disch Temp	F	245.79	187.14
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	317.2	154.4
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	505.18	

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	335.0	155.6
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	34.26	70.98
CE Disch. Vol. Eff.	%	47.29	70.66
HE Inlet Vol. Eff.	%	60.84	91.74
CE Inlet Vol. Eff.	%	83.98	91.33
Avg. Inlet Vol. Eff.	%	72.41	91.54
HE Clearance Req'd.	%	45.73	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	27.21	0.00
HE Clearance Added	IN3	115.5	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	22527	5298
Internal Gas Load - C	LBF	-25319	-9697
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17350	26070
Combined Rod Load - C	LBF	-21986	-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)		1.266	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		0.975	0.953
Z Discharge		0.977	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	250.00	
Inlet Press. @ Cyl Flg	PSIG	247.40	488.53
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	508.09	685.26
Disch. Line Pressure	PSIG		680.00
Ratio of Compression		1.995	1.391
Adiabatic Disch. Temp.	F	222.08	174.23
Est Actual Disch Temp	F	240.18	187.09
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	304.9	154.5
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	487.92	

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	317.8	155.5
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	31.62	71.01
CE Disch. Vol. Eff.	%	49.29	70.69
HE Inlet Vol. Eff.	%	54.46	91.75
CE Inlet Vol. Eff.	%	84.92	91.34
Avg. Inlet Vol. Eff.	%	69.69	91.55
HE Clearance Req'd.	%	58.04	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	38.51	0.00
HE Clearance Added	IN3	163.5	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	22136	5293
Internal Gas Load - C	LBF	-24407	-9693
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17818	26069
Combined Rod Load - C	LBF	-22147	-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)		1.267	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		0.975	0.953
Z Discharge		0.976	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	260.00	
Inlet Press. @ Cyl Flg	PSIG	257.30	488.53
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	508.09	685.26
Disch. Line Pressure	PSIG		680.00
Ratio of Compression		1.922	1.391
Adiabatic Disch. Temp.	F	217.03	174.23
Est Actual Disch Temp	F	234.71	187.09
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	293.4	154.5
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	471.25	

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	301.1	155.5
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	29.02	71.01
CE Disch. Vol. Eff.	%	51.30	70.69
HE Inlet Vol. Eff.	%	48.54	91.75
CE Inlet Vol. Eff.	%	85.80	91.34
Avg. Inlet Vol. Eff.	%	67.17	91.55
HE Clearance Req'd.	%	71.30	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	50.69	0.00
HE Clearance Added	IN3	215.2	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	21334	5293
Internal Gas Load - C	LBF	-23386	-9693
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16675	26069
Combined Rod Load - C	LBF	-22093	-23294
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)		1.271	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	0.953
Z Discharge		0.975	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	270.00	
Inlet Press. @ Cyl Flg	PSIG	267.20	488.53
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	508.08	685.26
Disch. Line Pressure	PSIG		680.00
Ratio of Compression		1.855	1.391
Adiabatic Disch. Temp.	F	212.17	174.23
Est Actual Disch Temp	F	229.42	187.09
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	282.7	154.5
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	455.23	

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	285.1	155.5
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	26.47	71.01
CE Disch. Vol. Eff.	%	53.29	70.69
HE Inlet Vol. Eff.	%	43.03	91.75
CE Inlet Vol. Eff.	%	86.63	91.34
Avg. Inlet Vol. Eff.	%	64.83	91.55
HE Clearance Req'd.	%	85.59	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	63.81	0.00
HE Clearance Added	IN3	270.9	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	20213	5293
Internal Gas Load - C	LBF	-22673	-9693
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16269	26069
Combined Rod Load - C	LBF	-22045	-23294
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)		1.272	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		0.973	0.953
Z Discharge		0.974	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	280.00	
Inlet Press. @ Cyl Flg	PSIG	277.10	488.53
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	508.08	685.26
Disch. Line Pressure	PSIG		680.00
Ratio of Compression		1.792	1.391
Adiabatic Disch. Temp.	F	207.50	174.23
Est Actual Disch Temp	F	224.35	187.09
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	272.8	154.5
CAPACITY ACTUAL WET	MMSCFD	7.05	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	439.95	

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	269.8	155.5
Capacity Wet/ Cylinder	MMSCFD	7.05	7.03
HE Disch. Vol. Eff.	%	23.95	71.01
CE Disch. Vol. Eff.	%	55.26	70.69
HE Inlet Vol. Eff.	%	37.89	91.75
CE Inlet Vol. Eff.	%	87.41	91.34
Avg. Inlet Vol. Eff.	%	62.65	91.55
HE Clearance Req'd.	%	101.03	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	77.99	0.00
HE Clearance Added	IN3	331.1	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	19126	5293
Internal Gas Load - C	LBF	-21809	-9693
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14763	26069
Combined Rod Load - C	LBF	-22248	-23294
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)		1.269	1.281
Avg. Vol. Expon. (N)		1.272	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		0.972	0.953
Z Discharge		0.973	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	290.00	
Inlet Press. @ Cyl Flg	PSIG	287.00	488.53
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	508.08	685.26
Disch. Line Pressure	PSIG		680.00
Ratio of Compression		1.733	1.391
Adiabatic Disch. Temp.	F	202.99	174.23
Est Actual Disch Temp	F	219.66	187.09
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	263.5	154.5
CAPACITY ACTUAL WET	MMSCFD	7.05	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	425.86	

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	255.7	155.5
Capacity Wet/ Cylinder	MMSCFD	7.05	7.03
HE Disch. Vol. Eff.	%	21.47	71.01
CE Disch. Vol. Eff.	%	57.22	70.69
HE Inlet Vol. Eff.	%	33.08	91.75
CE Inlet Vol. Eff.	%	88.14	91.34
Avg. Inlet Vol. Eff.	%	60.61	91.55
HE Clearance Req'd.	%	117.80	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	93.38	0.00
HE Clearance Added	IN3	396.5	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	17982	5293
Internal Gas Load - C	LBF	-20622	-9693
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14395	26069
Combined Rod Load - C	LBF	-22224	-23294
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	1.281
Avg. Vol. Expon. (N)		1.273	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		0.971	0.953
Z Discharge		0.972	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	300.00	
Inlet Press. @ Cyl Flg	PSIG	296.90	488.52
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	508.08	685.26
Disch. Line Pressure	PSIG		680.00
Ratio of Compression		1.678	1.391
Adiabatic Disch. Temp.	F	198.63	174.23
Est Actual Disch Temp	F	215.14	187.09
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	254.9	154.5
CAPACITY ACTUAL WET	MMSCFD	7.05	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	412.32	

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	242.2	155.5
Capacity Wet/ Cylinder	MMSCFD	7.05	7.03
HE Disch. Vol. Eff.	%	19.03	71.00
CE Disch. Vol. Eff.	%	59.16	70.69
HE Inlet Vol. Eff.	%	28.57	91.75
CE Inlet Vol. Eff.	%	88.83	91.34
Avg. Inlet Vol. Eff.	%	58.70	91.55
HE Clearance Req'd.	%	136.07	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	? %	110.17	0.00
HE Clearance Added	IN3	467.7	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	16736	5293
Internal Gas Load - C	LBF	-19380	-9693
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14795	26069
Combined Rod Load - C	LBF	-22203	-23294
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)		1.262	1.279
Avg. Vol. Expon. (N)		1.266	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		0.980	0.955
Z Discharge		0.982	0.957
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	200.00	
Inlet Press. @ Cyl Flg	PSIG	197.89	466.16
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	484.85	705.41
Disch. Line Pressure	PSIG		700.00
Ratio of Compression		2.350	1.498
Adiabatic Disch. Temp.	F	244.37	184.30
Est Actual Disch Temp	F	264.00	197.31
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	354.4	151.8
CAPACITY ACTUAL WET	MMSCFD	6.63	6.59
CAPACITY ACTUAL DRY	MMSCFD	6.56	6.56
TOTAL COMPRESSOR POWER	HP	555.01	

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	367.4	173.0
Capacity Wet/ Cylinder	MMSCFD	6.63	6.59
HE Disch. Vol. Eff.	%	40.97	65.89
CE Disch. Vol. Eff.	%	41.07	65.51
HE Inlet Vol. Eff.	%	80.48	90.19
CE Inlet Vol. Eff.	%	80.67	89.68
Avg. Inlet Vol. Eff.	%	80.57	89.94
HE Clearance Req'd.	%	16.10	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	0.00	0.00
HE Clearance Added	IN3	0.0	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	23103	6473
Internal Gas Load - C	LBF	-26211	-10889
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	21967	25154
Combined Rod Load - C	LBF	-21821	-23095
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)		1.262	1.280
Avg. Vol. Expon. (N)		1.266	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		0.979	0.953
Z Discharge		0.981	0.955
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	210.00	
Inlet Press. @ Cyl Flg	PSIG	207.79	484.86
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	504.27	705.41
Disch. Line Pressure	PSIG		700.00
Ratio of Compression		2.333	1.441
Adiabatic Disch. Temp.	F	243.49	179.14
Est Actual Disch Temp	F	262.92	192.08
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	355.4	153.2
CAPACITY ACTUAL WET	MMSCFD	6.96	6.92
CAPACITY ACTUAL DRY	MMSCFD	6.89	6.89
TOTAL COMPRESSOR POWER	HP	563.55	

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	382.2	166.8
Capacity Wet/ Cylinder	MMSCFD	6.96	6.92
HE Disch. Vol. Eff.	%	41.34	68.51
CE Disch. Vol. Eff.	%	41.44	68.16
HE Inlet Vol. Eff.	%	80.70	91.01
CE Inlet Vol. Eff.	%	80.89	90.55
Avg. Inlet Vol. Eff.	%	80.80	90.78
HE Clearance Req'd.	%	16.10	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	0.00	0.00
HE Clearance Added	IN3	0.0	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	23872	5951
Internal Gas Load - C	LBF	-27108	-10424
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	22153	25652
Combined Rod Load - C	LBF	-22257	-23215
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)		1.263	1.281
Avg. Vol. Expon. (N)		1.267	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		0.978	0.953
Z Discharge		0.980	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	220.00	
Inlet Press. @ Cyl Flg	PSIG	217.69	491.03
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	510.68	705.41
Disch. Line Pressure	PSIG		700.00
Ratio of Compression		2.261	1.424
Adiabatic Disch. Temp.	F	239.24	177.48
Est Actual Disch Temp	F	258.45	190.40
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	345.2	153.6
CAPACITY ACTUAL WET	MMSCFD	7.07	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	553.23	

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	374.1	164.5
Capacity Wet/ Cylinder	MMSCFD	7.07	7.03
HE Disch. Vol. Eff.	%	39.59	69.37
CE Disch. Vol. Eff.	%	42.94	69.03
HE Inlet Vol. Eff.	%	75.36	91.27
CE Inlet Vol. Eff.	%	81.74	90.83
Avg. Inlet Vol. Eff.	%	78.55	91.05
HE Clearance Req'd.	%	22.97	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	6.30	0.00
HE Clearance Added	IN3	26.8	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	23709	5778
Internal Gas Load - C	LBF	-26837	-10271
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	19725	25816
Combined Rod Load - C	LBF	-22207	-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
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)		1.264	1.281
Avg. Vol. Expon. (N)		1.268	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		0.977	0.953
Z Discharge		0.979	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	230.00	
Inlet Press. @ Cyl Flg	PSIG	227.59	491.01
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	510.66	705.41
Disch. Line Pressure	PSIG		700.00
Ratio of Compression		2.168	1.424
Adiabatic Disch. Temp.	F	233.50	177.48
Est Actual Disch Temp	F	252.42	190.40
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	330.6	153.6
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	534.49	

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	355.3	164.6
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	36.86	69.37
CE Disch. Vol. Eff.	%	44.99	69.03
HE Inlet Vol. Eff.	%	67.87	91.27
CE Inlet Vol. Eff.	%	82.84	90.83
Avg. Inlet Vol. Eff.	%	75.35	91.05
HE Clearance Req'd.	%	33.70	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	16.16	0.00
HE Clearance Added	IN3	68.6	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	23350	5779
Internal Gas Load - C	LBF	-26361	-10271
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17351	25815
Combined Rod Load - C	LBF	-22097	-23254
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)		1.265	1.281
Avg. Vol. Expon. (N)		1.269	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		0.978	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	240.00	
Inlet Press. @ Cyl Flg	PSIG	237.49	491.11
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	510.76	705.41
Disch. Line Pressure	PSIG		700.00
Ratio of Compression		2.084	1.424
Adiabatic Disch. Temp.	F	228.05	177.46
Est Actual Disch Temp	F	246.59	190.38
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	317.2	153.6
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	516.49	

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	337.4	164.5
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	34.18	69.38
CE Disch. Vol. Eff.	%	47.01	69.04
HE Inlet Vol. Eff.	%	60.97	91.27
CE Inlet Vol. Eff.	%	83.85	90.83
Avg. Inlet Vol. Eff.	%	72.41	91.05
HE Clearance Req'd.	%	45.10	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	26.63	0.00
HE Clearance Added	IN3	113.1	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	22740	5776
Internal Gas Load - C	LBF	-25543	-10269
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17349	25818
Combined Rod Load - C	LBF	-22000	-23254
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	1.281
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		0.975	0.953
Z Discharge		0.977	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	250.00	
Inlet Press. @ Cyl Flg	PSIG	247.40	491.10
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	510.76	705.41
Disch. Line Pressure	PSIG		700.00
Ratio of Compression		2.005	1.424
Adiabatic Disch. Temp.	F	222.79	177.46
Est Actual Disch Temp	F	240.93	190.38
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	304.9	153.6
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	499.13	

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	320.0	164.5
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	31.55	69.38
CE Disch. Vol. Eff.	%	49.03	69.04
HE Inlet Vol. Eff.	%	54.58	91.27
CE Inlet Vol. Eff.	%	84.80	90.83
Avg. Inlet Vol. Eff.	%	69.69	91.05
HE Clearance Req'd.	%	57.32	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	37.85	0.00
HE Clearance Added	IN3	160.7	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	22337	5776
Internal Gas Load - C	LBF	-24616	-10269
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	18022	25818
Combined Rod Load - C	LBF	-22158	-23254
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	1.281
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		0.975	0.953
Z Discharge		0.976	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	260.00	
Inlet Press. @ Cyl Flg	PSIG	257.30	491.10
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	510.76	705.41
Disch. Line Pressure	PSIG		700.00
Ratio of Compression		1.932	1.424
Adiabatic Disch. Temp.	F	217.74	177.46
Est Actual Disch Temp	F	235.45	190.38
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	293.4	153.6
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	482.44	

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	303.3	164.5
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	28.97	69.38
CE Disch. Vol. Eff.	%	51.02	69.04
HE Inlet Vol. Eff.	%	48.65	91.27
CE Inlet Vol. Eff.	%	85.68	90.83
Avg. Inlet Vol. Eff.	%	67.17	91.05
HE Clearance Req'd.	%	70.42	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	49.88	0.00
HE Clearance Added	IN3	211.8	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	21533	5776
Internal Gas Load - C	LBF	-23593	-10269
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16814	25818
Combined Rod Load - C	LBF	-22105	-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
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)		1.271	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	0.953
Z Discharge		0.975	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	270.00	
Inlet Press. @ Cyl Flg	PSIG	267.20	491.10
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	510.76	705.41
Disch. Line Pressure	PSIG		700.00
Ratio of Compression		1.864	1.424
Adiabatic Disch. Temp.	F	212.88	177.46
Est Actual Disch Temp	F	230.16	190.38
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	282.7	153.6
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	466.41	

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	287.3	164.5
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	26.43	69.38
CE Disch. Vol. Eff.	%	53.00	69.04
HE Inlet Vol. Eff.	%	43.14	91.27
CE Inlet Vol. Eff.	%	86.51	90.83
Avg. Inlet Vol. Eff.	%	64.82	91.05
HE Clearance Req'd.	%	84.51	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	62.82	0.00
HE Clearance Added	IN3	266.7	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	20445	5776
Internal Gas Load - C	LBF	-22902	-10269
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16287	25818
Combined Rod Load - C	LBF	-22057	-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
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)		1.272	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	0.953
Z Discharge		0.974	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	280.00	
Inlet Press. @ Cyl Flg	PSIG	277.10	491.10
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	510.76	705.41
Disch. Line Pressure	PSIG		700.00
Ratio of Compression		1.801	1.424
Adiabatic Disch. Temp.	F	208.20	177.46
Est Actual Disch Temp	F	225.06	190.38
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	272.8	153.6
CAPACITY ACTUAL WET	MMSCFD	7.05	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	451.01	

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	271.9	164.5
Capacity Wet/ Cylinder	MMSCFD	7.05	7.03
HE Disch. Vol. Eff.	%	23.92	69.38
CE Disch. Vol. Eff.	%	54.97	69.04
HE Inlet Vol. Eff.	%	37.99	91.27
CE Inlet Vol. Eff.	%	87.30	90.83
Avg. Inlet Vol. Eff.	%	62.64	91.05
HE Clearance Req'd.	%	99.74	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	76.80	0.00
HE Clearance Added	IN3	326.1	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	19321	5776
Internal Gas Load - C	LBF	-22014	-10269
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14975	25818
Combined Rod Load - C	LBF	-22258	-23254
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	1.281
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		0.972	0.953
Z Discharge		0.973	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	290.00	
Inlet Press. @ Cyl Flg	PSIG	287.00	491.10
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	510.76	705.41
Disch. Line Pressure	PSIG		700.00
Ratio of Compression		1.742	1.424
Adiabatic Disch. Temp.	F	203.69	177.46
Est Actual Disch Temp	F	220.37	190.38
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	263.5	153.6
CAPACITY ACTUAL WET	MMSCFD	7.05	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	436.91	

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	257.8	164.5
Capacity Wet/ Cylinder	MMSCFD	7.05	7.03
HE Disch. Vol. Eff.	%	21.46	69.38
CE Disch. Vol. Eff.	%	56.92	69.04
HE Inlet Vol. Eff.	%	33.18	91.27
CE Inlet Vol. Eff.	%	88.03	90.83
Avg. Inlet Vol. Eff.	%	60.61	91.05
HE Clearance Req'd.	%	116.25	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	91.97	0.00
HE Clearance Added	IN3	390.5	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	18206	5776
Internal Gas Load - C	LBF	-20825	-10269
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14385	25818
Combined Rod Load - C	LBF	-22235	-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	1.281
Avg. Vol. Expon. (N)		1.273	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		0.971	0.953
Z Discharge		0.972	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	300.00	
Inlet Press. @ Cyl Flg	PSIG	296.90	491.10
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	510.76	705.41
Disch. Line Pressure	PSIG		700.00
Ratio of Compression		1.686	1.424
Adiabatic Disch. Temp.	F	199.33	177.46
Est Actual Disch Temp	F	215.84	190.38
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	254.9	153.6
CAPACITY ACTUAL WET	MMSCFD	7.05	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	423.36	

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	244.2	164.5
Capacity Wet/ Cylinder	MMSCFD	7.05	7.03
HE Disch. Vol. Eff.	%	19.02	69.38
CE Disch. Vol. Eff.	%	58.86	69.04
HE Inlet Vol. Eff.	%	28.67	91.27
CE Inlet Vol. Eff.	%	88.73	90.83
Avg. Inlet Vol. Eff.	%	58.70	91.05
HE Clearance Req'd.	%	134.24	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	? %	108.48	0.00
HE Clearance Added	IN3	460.6	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	16955	5776
Internal Gas Load - C	LBF	-19580	-10269
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14605	25818
Combined Rod Load - C	LBF	-22214	-23254
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)		1.262	1.279
Avg. Vol. Expon. (N)		1.266	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		0.980	0.955
Z Discharge		0.982	0.957
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	200.00	
Inlet Press. @ Cyl Flg	PSIG	197.89	468.14
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	486.90	725.56
Disch. Line Pressure	PSIG		720.00
Ratio of Compression		2.360	1.533
Adiabatic Disch. Temp.	F	244.95	187.58
Est Actual Disch Temp	F	264.61	200.63
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	354.0	150.9
CAPACITY ACTUAL WET	MMSCFD	6.62	6.58
CAPACITY ACTUAL DRY	MMSCFD	6.55	6.55
TOTAL COMPRESSOR POWER	HP	564.57	

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	368.6	181.4
Capacity Wet/ Cylinder	MMSCFD	6.62	6.58
HE Disch. Vol. Eff.	%	40.78	64.35
CE Disch. Vol. Eff.	%	40.88	63.95
HE Inlet Vol. Eff.	%	80.36	89.69
CE Inlet Vol. Eff.	%	80.56	89.14
Avg. Inlet Vol. Eff.	%	80.46	89.42
HE Clearance Req'd.	%	16.10	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	0.00	0.00
HE Clearance Added	IN3	0.0	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	23258	6970
Internal Gas Load - C	LBF	-26377	-11477
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	21908	24848
Combined Rod Load - C	LBF	-21821	-23069
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)		1.262	1.280
Avg. Vol. Expon. (N)		1.266	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		0.979	0.953
Z Discharge		0.981	0.955
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	210.00	
Inlet Press. @ Cyl Flg	PSIG	207.79	486.96
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	506.45	725.56
Disch. Line Pressure	PSIG		720.00
Ratio of Compression		2.342	1.476
Adiabatic Disch. Temp.	F	244.09	182.39
Est Actual Disch Temp	F	263.55	195.39
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	354.9	152.3
CAPACITY ACTUAL WET	MMSCFD	6.95	6.91
CAPACITY ACTUAL DRY	MMSCFD	6.88	6.88
TOTAL COMPRESSOR POWER	HP	573.62	

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	383.5	175.5
Capacity Wet/ Cylinder	MMSCFD	6.95	6.91
HE Disch. Vol. Eff.	%	41.15	66.92
CE Disch. Vol. Eff.	%	41.25	66.56
HE Inlet Vol. Eff.	%	80.59	90.52
CE Inlet Vol. Eff.	%	80.78	90.03
Avg. Inlet Vol. Eff.	%	80.68	90.28
HE Clearance Req'd.	%	16.10	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	0.00	0.00
HE Clearance Added	IN3	0.0	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	24037	6446
Internal Gas Load - C	LBF	-27284	-11011
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	22153	25306
Combined Rod Load - C	LBF	-22258	-23230
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)		1.263	1.280
Avg. Vol. Expon. (N)		1.267	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		0.978	0.952
Z Discharge		0.980	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	220.00	
Inlet Press. @ Cyl Flg	PSIG	217.69	493.65
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	513.41	725.56
Disch. Line Pressure	PSIG		720.00
Ratio of Compression		2.273	1.456
Adiabatic Disch. Temp.	F	239.97	180.60
Est Actual Disch Temp	F	259.22	193.57
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	345.2	152.8
CAPACITY ACTUAL WET	MMSCFD	7.07	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	564.24	

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	376.4	173.3
Capacity Wet/ Cylinder	MMSCFD	7.07	7.03
HE Disch. Vol. Eff.	%	39.49	67.83
CE Disch. Vol. Eff.	%	42.70	67.48
HE Inlet Vol. Eff.	%	75.49	90.81
CE Inlet Vol. Eff.	%	81.61	90.33
Avg. Inlet Vol. Eff.	%	78.55	90.57
HE Clearance Req'd.	%	22.62	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	5.98	0.00
HE Clearance Added	IN3	25.4	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	23913	6259
Internal Gas Load - C	LBF	-27051	-10844
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	19792	25485
Combined Rod Load - C	LBF	-22198	-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)		1.264	1.280
Avg. Vol. Expon. (N)		1.268	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		0.977	0.952
Z Discharge		0.979	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	230.00	
Inlet Press. @ Cyl Flg	PSIG	227.59	493.50
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	513.25	725.56
Disch. Line Pressure	PSIG		720.00
Ratio of Compression		2.179	1.457
Adiabatic Disch. Temp.	F	234.20	180.64
Est Actual Disch Temp	F	253.14	193.61
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	330.6	152.8
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	545.41	

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	357.5	173.3
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	36.78	67.81
CE Disch. Vol. Eff.	%	44.75	67.46
HE Inlet Vol. Eff.	%	67.99	90.80
CE Inlet Vol. Eff.	%	82.71	90.33
Avg. Inlet Vol. Eff.	%	75.35	90.56
HE Clearance Req'd.	%	33.26	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	15.76	0.00
HE Clearance Added	IN3	66.9	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	23544	6263
Internal Gas Load - C	LBF	-26564	-10848
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17402	25481
Combined Rod Load - C	LBF	-22108	-23271
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)		1.265	1.280
Avg. Vol. Expon. (N)		1.269	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	0.952
Z Discharge		0.978	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	240.00	
Inlet Press. @ Cyl Flg	PSIG	237.49	493.66
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	513.42	725.56
Disch. Line Pressure	PSIG		720.00
Ratio of Compression		2.094	1.456
Adiabatic Disch. Temp.	F	228.76	180.60
Est Actual Disch Temp	F	247.33	193.57
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	317.2	152.8
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	527.43	

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	339.6	173.3
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	34.11	67.83
CE Disch. Vol. Eff.	%	46.76	67.48
HE Inlet Vol. Eff.	%	61.08	90.81
CE Inlet Vol. Eff.	%	83.72	90.33
Avg. Inlet Vol. Eff.	%	72.40	90.57
HE Clearance Req'd.	%	44.54	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	26.11	0.00
HE Clearance Added	IN3	110.9	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	22939	6259
Internal Gas Load - C	LBF	-25751	-10844
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17348	25485
Combined Rod Load - C	LBF	-22013	-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
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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)		1.266	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		0.975	0.952
Z Discharge		0.977	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	250.00	
Inlet Press. @ Cyl Flg	PSIG	247.40	493.66
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	513.41	725.56
Disch. Line Pressure	PSIG		720.00
Ratio of Compression		2.015	1.456
Adiabatic Disch. Temp.	F	223.49	180.60
Est Actual Disch Temp	F	241.67	193.57
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	304.9	152.8
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	510.05	

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	322.2	173.3
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	31.50	67.83
CE Disch. Vol. Eff.	%	48.76	67.48
HE Inlet Vol. Eff.	%	54.69	90.81
CE Inlet Vol. Eff.	%	84.68	90.33
Avg. Inlet Vol. Eff.	%	69.68	90.57
HE Clearance Req'd.	%	56.61	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	37.20	0.00
HE Clearance Added	IN3	157.9	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	22536	6259
Internal Gas Load - C	LBF	-24822	-10844
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	18224	25485
Combined Rod Load - C	LBF	-22168	-23272
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	1.280
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		0.975	0.952
Z Discharge		0.976	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	260.00	
Inlet Press. @ Cyl Flg	PSIG	257.30	493.66
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	513.41	725.56
Disch. Line Pressure	PSIG		720.00
Ratio of Compression		1.942	1.456
Adiabatic Disch. Temp.	F	218.44	180.60
Est Actual Disch Temp	F	236.19	193.57
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	293.4	152.8
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	493.35	

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	305.5	173.3
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	28.92	67.83
CE Disch. Vol. Eff.	%	50.75	67.48
HE Inlet Vol. Eff.	%	48.76	90.81
CE Inlet Vol. Eff.	%	85.57	90.33
Avg. Inlet Vol. Eff.	%	67.16	90.57
HE Clearance Req'd.	%	69.55	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	49.09	0.00
HE Clearance Added	IN3	208.4	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	21731	6259
Internal Gas Load - C	LBF	-23798	-10844
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17050	25485
Combined Rod Load - C	LBF	-22117	-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)		1.268	1.280
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	0.952
Z Discharge		0.975	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	270.00	
Inlet Press. @ Cyl Flg	PSIG	267.20	493.66
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	513.41	725.56
Disch. Line Pressure	PSIG		720.00
Ratio of Compression		1.873	1.456
Adiabatic Disch. Temp.	F	213.58	180.60
Est Actual Disch Temp	F	230.90	193.57
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	282.7	152.8
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	477.31	

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	289.4	173.3
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	26.39	67.83
CE Disch. Vol. Eff.	%	52.72	67.48
HE Inlet Vol. Eff.	%	43.24	90.81
CE Inlet Vol. Eff.	%	86.40	90.33
Avg. Inlet Vol. Eff.	%	64.82	90.57
HE Clearance Req'd.	%	83.47	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	61.86	0.00
HE Clearance Added	IN3	262.6	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	20674	6259
Internal Gas Load - C	LBF	-23128	-10844
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16304	25485
Combined Rod Load - C	LBF	-22069	-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)		1.269	1.280
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	0.952
Z Discharge		0.974	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	280.00	
Inlet Press. @ Cyl Flg	PSIG	277.10	493.65
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	513.41	725.56
Disch. Line Pressure	PSIG		720.00
Ratio of Compression		1.810	1.456
Adiabatic Disch. Temp.	F	208.90	180.60
Est Actual Disch Temp	F	225.79	193.57
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	272.8	152.8
CAPACITY ACTUAL WET	MMSCFD	7.05	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	461.90	

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	274.0	173.3
Capacity Wet/ Cylinder	MMSCFD	7.05	7.03
HE Disch. Vol. Eff.	%	23.89	67.83
CE Disch. Vol. Eff.	%	54.68	67.48
HE Inlet Vol. Eff.	%	38.10	90.81
CE Inlet Vol. Eff.	%	87.18	90.33
Avg. Inlet Vol. Eff.	%	62.64	90.57
HE Clearance Req'd.	%	98.49	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	75.66	0.00
HE Clearance Added	IN3	321.2	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	19515	6259
Internal Gas Load - C	LBF	-22218	-10844
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15186	25485
Combined Rod Load - C	LBF	-22268	-23272
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	1.280
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		0.972	0.952
Z Discharge		0.973	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	290.00	
Inlet Press. @ Cyl Flg	PSIG	287.00	493.65
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	513.41	725.56
Disch. Line Pressure	PSIG		720.00
Ratio of Compression		1.750	1.456
Adiabatic Disch. Temp.	F	204.39	180.60
Est Actual Disch Temp	F	221.06	193.57
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	263.5	152.8
CAPACITY ACTUAL WET	MMSCFD	7.05	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	447.67	

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	259.8	173.3
Capacity Wet/ Cylinder	MMSCFD	7.05	7.03
HE Disch. Vol. Eff.	%	21.44	67.83
CE Disch. Vol. Eff.	%	56.63	67.48
HE Inlet Vol. Eff.	%	33.28	90.81
CE Inlet Vol. Eff.	%	87.92	90.33
Avg. Inlet Vol. Eff.	%	60.60	90.57
HE Clearance Req'd.	%	114.76	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	90.60	0.00
HE Clearance Added	IN3	384.6	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	18428	6259
Internal Gas Load - C	LBF	-21027	-10844
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14375	25485
Combined Rod Load - C	LBF	-22245	-23272
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	1.280
Avg. Vol. Expon. (N)		1.273	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		0.971	0.952
Z Discharge		0.972	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	300.00	
Inlet Press. @ Cyl Flg	PSIG	296.90	493.65
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	513.41	725.56
Disch. Line Pressure	PSIG		720.00
Ratio of Compression		1.695	1.456
Adiabatic Disch. Temp.	F	200.03	180.60
Est Actual Disch Temp	F	216.54	193.57
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	254.9	152.8
CAPACITY ACTUAL WET	MMSCFD	7.05	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	434.11	

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	246.2	173.3
Capacity Wet/ Cylinder	MMSCFD	7.05	7.03
HE Disch. Vol. Eff.	%	19.01	67.83
CE Disch. Vol. Eff.	%	58.56	67.48
HE Inlet Vol. Eff.	%	28.77	90.81
CE Inlet Vol. Eff.	%	88.62	90.33
Avg. Inlet Vol. Eff.	%	58.70	90.57
HE Clearance Req'd.	%	132.46	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	? %	106.85	0.00
HE Clearance Added	IN3	453.6	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	17172	6259
Internal Gas Load - C	LBF	-19779	-10844
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14417	25485
Combined Rod Load - C	LBF	-22224	-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)		1.262	1.279
Avg. Vol. Expon. (N)		1.266	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		0.980	0.955
Z Discharge		0.982	0.957
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	200.00	
Inlet Press. @ Cyl Flg	PSIG	197.89	470.07
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	488.91	745.71
Disch. Line Pressure	PSIG		740.00
Ratio of Compression		2.369	1.569
Adiabatic Disch. Temp.	F	245.51	190.79
Est Actual Disch Temp	F	265.21	203.87
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	353.5	150.0
CAPACITY ACTUAL WET	MMSCFD	6.61	6.57
CAPACITY ACTUAL DRY	MMSCFD	6.54	6.54
TOTAL COMPRESSOR POWER	HP	573.85	

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	369.8	189.5
Capacity Wet/ Cylinder	MMSCFD	6.61	6.57
HE Disch. Vol. Eff.	%	40.60	62.87
CE Disch. Vol. Eff.	%	40.70	62.46
HE Inlet Vol. Eff.	%	80.25	89.20
CE Inlet Vol. Eff.	%	80.45	88.61
Avg. Inlet Vol. Eff.	%	80.35	88.90
HE Clearance Req'd.	%	16.10	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	0.00	0.00
HE Clearance Added	IN3	0.0	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	23410	7468
Internal Gas Load - C	LBF	-26539	-12066
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	21850	24849
Combined Rod Load - C	LBF	-21822	-22968
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)		1.262	1.280
Avg. Vol. Expon. (N)		1.266	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		0.979	0.953
Z Discharge		0.981	0.955
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	210.00	
Inlet Press. @ Cyl Flg	PSIG	207.79	489.02
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	508.59	745.71
Disch. Line Pressure	PSIG		740.00
Ratio of Compression		2.352	1.510
Adiabatic Disch. Temp.	F	244.67	185.57
Est Actual Disch Temp	F	264.16	198.61
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	354.5	151.5
CAPACITY ACTUAL WET	MMSCFD	6.94	6.90
CAPACITY ACTUAL DRY	MMSCFD	6.87	6.87
TOTAL COMPRESSOR POWER	HP	583.40	

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	384.8	184.0
Capacity Wet/ Cylinder	MMSCFD	6.94	6.90
HE Disch. Vol. Eff.	%	40.96	65.41
CE Disch. Vol. Eff.	%	41.06	65.02
HE Inlet Vol. Eff.	%	80.48	90.04
CE Inlet Vol. Eff.	%	80.67	89.51
Avg. Inlet Vol. Eff.	%	80.57	89.78
HE Clearance Req'd.	%	16.10	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	0.00	0.00
HE Clearance Added	IN3	0.0	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	24199	6941
Internal Gas Load - C	LBF	-27457	-11597
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	22111	24960
Combined Rod Load - C	LBF	-22259	-23244
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)		1.263	1.280
Avg. Vol. Expon. (N)		1.267	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		0.978	0.952
Z Discharge		0.980	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	220.00	
Inlet Press. @ Cyl Flg	PSIG	217.69	496.12
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	515.97	745.71
Disch. Line Pressure	PSIG		740.00
Ratio of Compression		2.284	1.489
Adiabatic Disch. Temp.	F	240.66	183.67
Est Actual Disch Temp	F	259.94	196.69
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	345.2	152.0
CAPACITY ACTUAL WET	MMSCFD	7.07	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	574.90	

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	378.5	181.8
Capacity Wet/ Cylinder	MMSCFD	7.07	7.03
HE Disch. Vol. Eff.	%	39.41	66.35
CE Disch. Vol. Eff.	%	42.47	65.98
HE Inlet Vol. Eff.	%	75.61	90.35
CE Inlet Vol. Eff.	%	81.48	89.84
Avg. Inlet Vol. Eff.	%	78.54	90.09
HE Clearance Req'd.	%	22.29	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	5.69	0.00
HE Clearance Added	IN3	24.1	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	24105	6743
Internal Gas Load - C	LBF	-27252	-11421
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	19856	25150
Combined Rod Load - C	LBF	-22133	-23290
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)		1.264	1.280
Avg. Vol. Expon. (N)		1.268	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		0.977	0.952
Z Discharge		0.979	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	230.00	
Inlet Press. @ Cyl Flg	PSIG	227.59	496.19
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	516.05	745.71
Disch. Line Pressure	PSIG		740.00
Ratio of Compression		2.191	1.488
Adiabatic Disch. Temp.	F	234.94	183.65
Est Actual Disch Temp	F	253.92	196.67
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	330.6	152.0
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	556.18	

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	359.8	181.7
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	36.70	66.36
CE Disch. Vol. Eff.	%	44.49	65.99
HE Inlet Vol. Eff.	%	68.11	90.35
CE Inlet Vol. Eff.	%	82.58	89.84
Avg. Inlet Vol. Eff.	%	75.35	90.10
HE Clearance Req'd.	%	32.80	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	15.33	0.00
HE Clearance Added	IN3	65.1	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	23754	6741
Internal Gas Load - C	LBF	-26785	-11420
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17432	25151
Combined Rod Load - C	LBF	-22121	-23290
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)		1.265	1.280
Avg. Vol. Expon. (N)		1.269	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		0.976	0.952
Z Discharge		0.978	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	240.00	
Inlet Press. @ Cyl Flg	PSIG	237.49	496.19
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	516.05	745.71
Disch. Line Pressure	PSIG		740.00
Ratio of Compression		2.105	1.488
Adiabatic Disch. Temp.	F	229.45	183.65
Est Actual Disch Temp	F	248.06	196.67
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	317.2	152.0
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	538.10	

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	341.7	181.7
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	34.04	66.36
CE Disch. Vol. Eff.	%	46.51	65.99
HE Inlet Vol. Eff.	%	61.20	90.35
CE Inlet Vol. Eff.	%	83.60	89.84
Avg. Inlet Vol. Eff.	%	72.40	90.10
HE Clearance Req'd.	%	43.99	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	25.61	0.00
HE Clearance Added	IN3	108.7	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	23136	6741
Internal Gas Load - C	LBF	-25957	-11420
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17347	25151
Combined Rod Load - C	LBF	-22025	-23290
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	1.280
Avg. Vol. Expon. (N)		1.270	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		0.977	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	250.00	
Inlet Press. @ Cyl Flg	PSIG	247.40	496.19
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	516.05	745.71
Disch. Line Pressure	PSIG		740.00
Ratio of Compression		2.025	1.488
Adiabatic Disch. Temp.	F	224.19	183.65
Est Actual Disch Temp	F	242.40	196.67
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	304.9	152.0
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	520.70	

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	324.3	181.7
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	31.44	66.36
CE Disch. Vol. Eff.	%	48.50	65.99
HE Inlet Vol. Eff.	%	54.80	90.35
CE Inlet Vol. Eff.	%	84.56	89.84
Avg. Inlet Vol. Eff.	%	69.68	90.10
HE Clearance Req'd.	%	55.93	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	36.57	0.00
HE Clearance Added	IN3	155.3	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	22599	6741
Internal Gas Load - C	LBF	-25027	-11420
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	18287	25151
Combined Rod Load - C	LBF	-22179	-23290
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
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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	1.280
Avg. Vol. Expon. (N)		1.270	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		0.976	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	260.00	
Inlet Press. @ Cyl Flg	PSIG	257.30	496.19
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	516.05	745.71
Disch. Line Pressure	PSIG		740.00
Ratio of Compression		1.951	1.488
Adiabatic Disch. Temp.	F	219.14	183.65
Est Actual Disch Temp	F	236.92	196.67
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	293.4	152.0
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	503.99	

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	307.6	181.7
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	28.87	66.36
CE Disch. Vol. Eff.	%	50.49	65.99
HE Inlet Vol. Eff.	%	48.87	90.35
CE Inlet Vol. Eff.	%	85.45	89.84
Avg. Inlet Vol. Eff.	%	67.16	90.10
HE Clearance Req'd.	%	68.72	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	48.32	0.00
HE Clearance Added	IN3	205.1	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	21927	6741
Internal Gas Load - C	LBF	-24002	-11420
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17284	25151
Combined Rod Load - C	LBF	-22128	-23290
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)		1.268	1.280
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	0.952
Z Discharge		0.975	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	270.00	
Inlet Press. @ Cyl Flg	PSIG	267.20	496.19
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	516.04	745.71
Disch. Line Pressure	PSIG		740.00
Ratio of Compression		1.883	1.488
Adiabatic Disch. Temp.	F	214.27	183.65
Est Actual Disch Temp	F	231.63	196.67
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	282.7	152.0
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	487.93	

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	291.6	181.7
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	26.35	66.36
CE Disch. Vol. Eff.	%	52.45	65.99
HE Inlet Vol. Eff.	%	43.35	90.35
CE Inlet Vol. Eff.	%	86.29	89.84
Avg. Inlet Vol. Eff.	%	64.82	90.10
HE Clearance Req'd.	%	82.46	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	60.93	0.00
HE Clearance Added	IN3	258.7	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	20902	6741
Internal Gas Load - C	LBF	-23353	-11420
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16322	25151
Combined Rod Load - C	LBF	-22081	-23290
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)		1.268	1.280
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	0.952
Z Discharge		0.974	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	280.00	
Inlet Press. @ Cyl Flg	PSIG	277.10	496.19
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	516.04	745.71
Disch. Line Pressure	PSIG		740.00
Ratio of Compression		1.819	1.488
Adiabatic Disch. Temp.	F	209.59	183.65
Est Actual Disch Temp	F	226.52	196.67
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	272.8	152.0
CAPACITY ACTUAL WET	MMSCFD	7.05	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	472.51	

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	276.1	181.7
Capacity Wet/ Cylinder	MMSCFD	7.05	7.03
HE Disch. Vol. Eff.	%	23.87	66.36
CE Disch. Vol. Eff.	%	54.40	65.99
HE Inlet Vol. Eff.	%	38.20	90.35
CE Inlet Vol. Eff.	%	87.07	89.84
Avg. Inlet Vol. Eff.	%	62.64	90.10
HE Clearance Req'd.	%	97.27	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	74.54	0.00
HE Clearance Added	IN3	316.5	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	19707	6741
Internal Gas Load - C	LBF	-22420	-11420
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15396	25151
Combined Rod Load - C	LBF	-22201	-23290
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	1.280
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		0.972	0.952
Z Discharge		0.973	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	290.00	
Inlet Press. @ Cyl Flg	PSIG	287.00	496.19
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	516.04	745.71
Disch. Line Pressure	PSIG		740.00
Ratio of Compression		1.759	1.488
Adiabatic Disch. Temp.	F	205.07	183.65
Est Actual Disch Temp	F	221.75	196.67
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	263.5	152.0
CAPACITY ACTUAL WET	MMSCFD	7.05	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	458.17	

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	261.8	181.7
Capacity Wet/ Cylinder	MMSCFD	7.05	7.03
HE Disch. Vol. Eff.	%	21.42	66.36
CE Disch. Vol. Eff.	%	56.34	65.99
HE Inlet Vol. Eff.	%	33.39	90.35
CE Inlet Vol. Eff.	%	87.82	89.84
Avg. Inlet Vol. Eff.	%	60.60	90.10
HE Clearance Req'd.	%	113.31	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	89.27	0.00
HE Clearance Added	IN3	379.0	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	18648	6741
Internal Gas Load - C	LBF	-21227	-11420
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14367	25151
Combined Rod Load - C	LBF	-22255	-23290
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	170.0	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	1.280
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		0.971	0.952
Z Discharge		0.972	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	300.00	
Inlet Press. @ Cyl Flg	PSIG	296.90	496.19
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	516.04	745.71
Disch. Line Pressure	PSIG		740.00
Ratio of Compression		1.703	1.488
Adiabatic Disch. Temp.	F	200.71	183.65
Est Actual Disch Temp	F	217.22	196.67
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	254.9	152.0
CAPACITY ACTUAL WET	MMSCFD	7.05	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	444.60	

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	248.2	181.7
Capacity Wet/ Cylinder	MMSCFD	7.05	7.03
HE Disch. Vol. Eff.	%	19.00	66.36
CE Disch. Vol. Eff.	%	58.26	65.99
HE Inlet Vol. Eff.	%	28.87	90.35
CE Inlet Vol. Eff.	%	88.52	89.84
Avg. Inlet Vol. Eff.	%	58.69	90.10
HE Clearance Req'd.	%	130.74	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	? %	105.27	0.00
HE Clearance Added	IN3	446.9	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	17388	6741
Internal Gas Load - C	LBF	-19977	-11420
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14336	25151
Combined Rod Load - C	LBF	-22235	-23290
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)		1.262	1.278
Avg. Vol. Expon. (N)		1.266	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		0.980	0.954
Z Discharge		0.982	0.957
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	200.00	
Inlet Press. @ Cyl Flg	PSIG	197.89	472.04
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	490.96	765.86
Disch. Line Pressure	PSIG		760.00
Ratio of Compression		2.379	1.604
Adiabatic Disch. Temp.	F	246.09	193.90
Est Actual Disch Temp	F	265.82	207.01
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	353.0	149.2
CAPACITY ACTUAL WET	MMSCFD	6.60	6.56
CAPACITY ACTUAL DRY	MMSCFD	6.53	6.53
TOTAL COMPRESSOR POWER	HP	582.91	

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	371.0	197.3
Capacity Wet/ Cylinder	MMSCFD	6.60	6.56
HE Disch. Vol. Eff.	%	40.41	61.47
CE Disch. Vol. Eff.	%	40.51	61.04
HE Inlet Vol. Eff.	%	80.14	88.71
CE Inlet Vol. Eff.	%	80.34	88.09
Avg. Inlet Vol. Eff.	%	80.24	88.40
HE Clearance Req'd.	%	16.10	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	0.00	0.00
HE Clearance Added	IN3	0.0	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	23565	7965
Internal Gas Load - C	LBF	-26704	-12653
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	21790	24597
Combined Rod Load - C	LBF	-21822	-22985
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)		1.262	1.280
Avg. Vol. Expon. (N)		1.266	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		0.979	0.953
Z Discharge		0.981	0.955
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	210.00	
Inlet Press. @ Cyl Flg	PSIG	207.79	490.92
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	510.57	765.86
Disch. Line Pressure	PSIG		760.00
Ratio of Compression		2.361	1.544
Adiabatic Disch. Temp.	F	245.20	188.71
Est Actual Disch Temp	F	264.73	201.79
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	354.0	150.6
CAPACITY ACTUAL WET	MMSCFD	6.93	6.89
CAPACITY ACTUAL DRY	MMSCFD	6.86	6.86
TOTAL COMPRESSOR POWER	HP	592.87	

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	386.0	192.3
Capacity Wet/ Cylinder	MMSCFD	6.93	6.89
HE Disch. Vol. Eff.	%	40.79	63.95
CE Disch. Vol. Eff.	%	40.88	63.55
HE Inlet Vol. Eff.	%	80.37	89.56
CE Inlet Vol. Eff.	%	80.57	89.00
Avg. Inlet Vol. Eff.	%	80.47	89.28
HE Clearance Req'd.	%	16.10	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	0.00	0.00
HE Clearance Added	IN3	0.0	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	24348	7440
Internal Gas Load - C	LBF	-27617	-12187
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	22054	24833
Combined Rod Load - C	LBF	-22416	-23139
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)		1.263	1.280
Avg. Vol. Expon. (N)		1.267	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		0.978	0.952
Z Discharge		0.980	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	220.00	
Inlet Press. @ Cyl Flg	PSIG	217.69	498.58
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	518.52	765.86
Disch. Line Pressure	PSIG		760.00
Ratio of Compression		2.295	1.521
Adiabatic Disch. Temp.	F	241.34	186.67
Est Actual Disch Temp	F	260.64	199.72
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	345.2	151.2
CAPACITY ACTUAL WET	MMSCFD	7.07	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	585.31	

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	380.6	190.0
Capacity Wet/ Cylinder	MMSCFD	7.07	7.03
HE Disch. Vol. Eff.	%	39.32	64.94
CE Disch. Vol. Eff.	%	42.24	64.56
HE Inlet Vol. Eff.	%	75.73	89.89
CE Inlet Vol. Eff.	%	81.35	89.35
Avg. Inlet Vol. Eff.	%	78.54	89.62
HE Clearance Req'd.	%	21.98	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	5.40	0.00
HE Clearance Added	IN3	22.9	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	24295	7227
Internal Gas Load - C	LBF	-27452	-11998
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	19920	24826
Combined Rod Load - C	LBF	-22069	-23307
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)		1.264	1.280
Avg. Vol. Expon. (N)		1.268	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		0.977	0.952
Z Discharge		0.979	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	230.00	
Inlet Press. @ Cyl Flg	PSIG	227.59	498.71
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	518.66	765.86
Disch. Line Pressure	PSIG		760.00
Ratio of Compression		2.201	1.520
Adiabatic Disch. Temp.	F	235.64	186.63
Est Actual Disch Temp	F	254.64	199.69
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	330.6	151.2
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	566.61	

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	362.0	190.0
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	36.62	64.96
CE Disch. Vol. Eff.	%	44.25	64.57
HE Inlet Vol. Eff.	%	68.23	89.90
CE Inlet Vol. Eff.	%	82.45	89.36
Avg. Inlet Vol. Eff.	%	75.34	89.63
HE Clearance Req'd.	%	32.37	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	14.94	0.00
HE Clearance Added	IN3	63.4	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	23950	7223
Internal Gas Load - C	LBF	-26990	-11995
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17431	24826
Combined Rod Load - C	LBF	-22132	-23308
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)		1.265	1.280
Avg. Vol. Expon. (N)		1.269	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		0.976	0.952
Z Discharge		0.978	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	240.00	
Inlet Press. @ Cyl Flg	PSIG	237.49	498.71
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	518.66	765.86
Disch. Line Pressure	PSIG		760.00
Ratio of Compression		2.115	1.520
Adiabatic Disch. Temp.	F	230.14	186.63
Est Actual Disch Temp	F	248.79	199.69
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	317.2	151.2
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	548.51	

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	343.9	190.0
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	33.98	64.96
CE Disch. Vol. Eff.	%	46.26	64.57
HE Inlet Vol. Eff.	%	61.31	89.90
CE Inlet Vol. Eff.	%	83.48	89.36
Avg. Inlet Vol. Eff.	%	72.40	89.63
HE Clearance Req'd.	%	43.45	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	25.11	0.00
HE Clearance Added	IN3	106.6	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	23332	7223
Internal Gas Load - C	LBF	-26162	-11995
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17346	24826
Combined Rod Load - C	LBF	-22038	-23308
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	1.280
Avg. Vol. Expon. (N)		1.270	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		0.975	0.952
Z Discharge		0.977	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	250.00	
Inlet Press. @ Cyl Flg	PSIG	247.40	498.71
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	518.66	765.86
Disch. Line Pressure	PSIG		760.00
Ratio of Compression		2.035	1.520
Adiabatic Disch. Temp.	F	224.88	186.63
Est Actual Disch Temp	F	243.12	199.69
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	304.9	151.2
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	531.11	

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	326.5	190.0
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	31.38	64.96
CE Disch. Vol. Eff.	%	48.25	64.57
HE Inlet Vol. Eff.	%	54.92	89.90
CE Inlet Vol. Eff.	%	84.44	89.36
Avg. Inlet Vol. Eff.	%	69.68	89.63
HE Clearance Req'd.	%	55.26	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	35.96	0.00
HE Clearance Added	IN3	152.7	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	22721	7223
Internal Gas Load - C	LBF	-25231	-11995
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	18286	24826
Combined Rod Load - C	LBF	-22135	-23308
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	1.280
Avg. Vol. Expon. (N)		1.270	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		0.975	0.952
Z Discharge		0.976	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	260.00	
Inlet Press. @ Cyl Flg	PSIG	257.30	498.71
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	518.66	765.86
Disch. Line Pressure	PSIG		760.00
Ratio of Compression		1.961	1.520
Adiabatic Disch. Temp.	F	219.82	186.63
Est Actual Disch Temp	F	237.64	199.69
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	293.4	151.2
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	514.38	

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	309.8	190.0
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	28.83	64.96
CE Disch. Vol. Eff.	%	50.22	64.57
HE Inlet Vol. Eff.	%	48.98	89.90
CE Inlet Vol. Eff.	%	85.34	89.36
Avg. Inlet Vol. Eff.	%	67.16	89.63
HE Clearance Req'd.	%	67.90	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	47.57	0.00
HE Clearance Added	IN3	202.0	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	22122	7224
Internal Gas Load - C	LBF	-24204	-11995
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	17517	24826
Combined Rod Load - C	LBF	-22139	-23308
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)		1.268	1.280
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	0.952
Z Discharge		0.975	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	270.00	
Inlet Press. @ Cyl Flg	PSIG	267.20	498.70
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	518.66	765.86
Disch. Line Pressure	PSIG		760.00
Ratio of Compression		1.892	1.520
Adiabatic Disch. Temp.	F	214.96	186.63
Est Actual Disch Temp	F	232.34	199.69
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	282.7	151.2
CAPACITY ACTUAL WET	MMSCFD	7.06	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	498.31	

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	293.7	190.0
Capacity Wet/ Cylinder	MMSCFD	7.06	7.03
HE Disch. Vol. Eff.	%	26.31	64.96
CE Disch. Vol. Eff.	%	52.18	64.57
HE Inlet Vol. Eff.	%	43.46	89.90
CE Inlet Vol. Eff.	%	86.18	89.36
Avg. Inlet Vol. Eff.	%	64.82	89.63
HE Clearance Req'd.	%	81.47	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	60.03	0.00
HE Clearance Added	IN3	254.9	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	21128	7224
Internal Gas Load - C	LBF	-23576	-11995
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	16341	24826
Combined Rod Load - C	LBF	-22093	-23308
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)		1.272	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	0.952
Z Discharge		0.974	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	280.00	
Inlet Press. @ Cyl Flg	PSIG	277.10	498.70
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	518.66	765.86
Disch. Line Pressure	PSIG		760.00
Ratio of Compression		1.828	1.520
Adiabatic Disch. Temp.	F	210.27	186.63
Est Actual Disch Temp	F	227.23	199.69
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	272.8	151.2
CAPACITY ACTUAL WET	MMSCFD	7.05	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	482.87	

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	278.2	190.0
Capacity Wet/ Cylinder	MMSCFD	7.05	7.03
HE Disch. Vol. Eff.	%	23.84	64.96
CE Disch. Vol. Eff.	%	54.12	64.57
HE Inlet Vol. Eff.	%	38.30	89.90
CE Inlet Vol. Eff.	%	86.97	89.36
Avg. Inlet Vol. Eff.	%	62.64	89.63
HE Clearance Req'd.	%	96.10	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	73.46	0.00
HE Clearance Added	IN3	311.9	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	19897	7224
Internal Gas Load - C	LBF	-22621	-11995
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	15604	24826
Combined Rod Load - C	LBF	-22114	-23308
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	1.280
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		0.972	0.952
Z Discharge		0.973	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	290.00	
Inlet Press. @ Cyl Flg	PSIG	287.00	498.70
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	518.66	765.86
Disch. Line Pressure	PSIG		760.00
Ratio of Compression		1.768	1.520
Adiabatic Disch. Temp.	F	205.75	186.63
Est Actual Disch Temp	F	222.43	199.69
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	263.5	151.2
CAPACITY ACTUAL WET	MMSCFD	7.05	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	468.42	

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	263.8	190.0
Capacity Wet/ Cylinder	MMSCFD	7.05	7.03
HE Disch. Vol. Eff.	%	21.40	64.96
CE Disch. Vol. Eff.	%	56.05	64.57
HE Inlet Vol. Eff.	%	33.49	89.90
CE Inlet Vol. Eff.	%	87.71	89.36
Avg. Inlet Vol. Eff.	%	60.60	89.63
HE Clearance Req'd.	%	111.91	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	%	87.98	0.00
HE Clearance Added	IN3	373.5	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	18861	7224
Internal Gas Load - C	LBF	-21425	-11995
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14358	24826
Combined Rod Load - C	LBF	-22265	-23308
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	1.280
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		0.971	0.952
Z Discharge		0.972	0.954
Inlet Temperature	F	130.00	130.00
Inlet Line Pressure	PSIG	300.00	
Inlet Press. @ Cyl Flg	PSIG	296.90	498.70
Interstage Press. Drop	%	3.74	0.00
Disch. Press. @ Cyl Flg	PSIG	518.66	765.86
Disch. Line Pressure	PSIG		760.00
Ratio of Compression		1.712	1.520
Adiabatic Disch. Temp.	F	201.39	186.63
Est Actual Disch Temp	F	217.90	199.69
Stg. Piston Displ.	CFM	439.9	168.7
Stg. Inlet Capacity	ACFM	254.9	151.2
CAPACITY ACTUAL WET	MMSCFD	7.05	7.03
CAPACITY ACTUAL DRY	MMSCFD	7.00	7.00
TOTAL COMPRESSOR POWER	HP	454.84	

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	250.2	190.0
Capacity Wet/ Cylinder	MMSCFD	7.05	7.03
HE Disch. Vol. Eff.	%	19.00	64.96
CE Disch. Vol. Eff.	%	57.97	64.57
HE Inlet Vol. Eff.	%	28.97	89.90
CE Inlet Vol. Eff.	%	88.41	89.36
Avg. Inlet Vol. Eff.	%	58.69	89.63
HE Clearance Req'd.	%	129.07	17.50
HE Clearance Min.	%	16.10	17.50
HE Pocket Open	? %	103.74	0.00
HE Clearance Added	IN3	440.4	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	17603	7224
Internal Gas Load - C	LBF	-20173	-11995
MACGL	LBF	44275	44275
Combined Rod Load - T	LBF	14383	24826
Combined Rod Load - C	LBF	-22245	-23308
MACCRL	LBF	38500	38500
Recip. Weight @ XHD Pin	LB	337.0	337.0
Reversal @ XHD Pin	DEG	175.0	160.0