



Ariel Performance

Company: Enerflex Ltd.
 Quote:
 Case 1:

Customer:
 Inquiry:
 Project:

ENERFLEX

7.6.7.0

Compressor Data:

Elevation,ft:	4000.00	Barmtr,psia:	12.670	Ambient, °F:	95.00
Frame:	JGA/2	Stroke, in:	3.00	Rod Dia, in:	1.125
Max RL Tot, lbf:	20000	Max RL Tens, lbf:	10000	Max RL Comp, lbf:	11000
Rated RPM:	1800	Rated BHP:	280.0	Rated PS FPM:	900.0
Calc RPM:	1800.0	BHP:	159	Calc PS FPM:	900.0

Driver Data:

Type:	Nat. Gas
Mfg:	Caterpillar
Model:	G3306-TA (st
BHP:	203 (177)
Avail:	168 (9)

Services

Gas Model

Service 1

VMG

Stage Data:

1

Target Flow, MMSCFD	2.500	---
Flow Calc, MMSCFD	2.144	---
BHP per Stage	152.6	---
Specific Gravity	0.6661	---
Ratio of Sp Ht (N)	1.2780	---
Comp Suct (Zs)	0.9479	---
Comp Disch (Zd)	0.9383	---
Pres Suct Line, psig	220.00	---
Pres Suct Flg, psig	220.00	---
Pres Disch Flg, psig	760.00	---
Pres Disch Line, psig	750.00	---
Pres Ratio F/F	3.321	---
Temp Suct, °F	60.00	---
Temp Clr Disch, °F	120.00	---

Cylinder Data:

Throw 1

Throw 2

Cyl Model	4-1/8JG	4-1/8JG
Cyl Bore, in	3.875	3.875
Cyl RDP (API), psig	1154.5	1154.5
Cyl MAWP, psig	1270.0	1270.0
Cyl Action	DBL	DBL
Cyl Disp, CFM	70.6	70.6
Pres Suct Intl, psig	201.46	201.46
Temp Suct Intl, °F	65	65
Pres Disch Intl, psig	826.52	826.52
Temp Disch Intl, °F	247	247
HE Suct Gas Vel, FPM	9032	9032
HE Disch Gas Vel, FPM	9032	9032
HE Spcrs Used/Max	0/2	0/2
HE Vol Pkt Avail, %	1.48+63.67	1.48+63.67
Vol Pkt Used, %	0.00 (V)	0.00 (V)
HE Min Clr, %	16.48	16.48
HE Total Clr, %	17.96	17.96
CE Suct Gas Vel, FPM	8270	8270
CE Disch Gas Vel, FPM	8270	8270
CE Spcrs Used/Max	0/2	0/2
CE Min Clr, %	19.38	19.38
CE Total Clr, %	19.38	19.38
Suct Vol Eff HE/CE, %	64.9/62.7	64.9/62.7
Disch Event HE/CE, ms	5.2/5.9	5.2/5.9
Suct Pseudo-Q HE/CE	6.9/5.8	6.9/5.8
Gas Rod Ld Comp, %	69.3 C	69.3 C
Gas Rod Ld Tens, %	65.1 T	65.1 T
Gas Rod Ld Total, %	70.6	70.6
Xhd Pin Deg/%Rvrsl lbf	174/76.7	174/76.7
Flow Calc, MMSCFD	1.072	1.072
Cyl BHP	76.3	76.3



Ariel Performance

Company: Enerflex Ltd.
 Quote:
 Case 2:

Customer:
 Inquiry:
 Project:

ENERFLEX

7.6.7.0

Compressor Data:

Elevation,ft:	4000.00	Barmtr,psia:	12.670	Ambient, °F:	95.00
Frame:	JGA/2	Stroke, in:	3.00	Rod Dia, in:	1.125
Max RL Tot, lbf:	20000	Max RL Tens, lbf:	10000	Max RL Comp, lbf:	11000
Rated RPM:	1800	Rated BHP:	280.0	Rated PS FPM:	900.0
Calc RPM:	1800.0	BHP:	168	Calc PS FPM:	900.0

Driver Data:

Type:	Nat. Gas
Mfg:	Caterpillar
Model:	G3306-TA (st
BHP:	203 (177)
Avail:	168 (9)

Services

Gas Model

Service 1

VMG

Stage Data:

1

Target Flow, MMSCFD	2.500	---
Flow Calc, MMSCFD	2.449	---
BHP per Stage	161.9	---
Specific Gravity	0.6661	---
Ratio of Sp Ht (N)	1.2805	---
Comp Suct (Zs)	0.9435	---
Comp Disch (Zd)	0.9341	---
Pres Suct Line, psig	240.00	---
Pres Suct Flg, psig	240.00	---
Pres Disch Flg, psig	760.00	---
Pres Disch Line, psig	750.00	---
Pres Ratio F/F	3.058	---
Temp Suct, °F	60.00	---
Temp Clr Disch, °F	120.00	---

Cylinder Data:

Throw 1

Throw 2

Cyl Model	4-1/8JG	4-1/8JG
Cyl Bore, in	3.875	3.875
Cyl RDP (API), psig	1154.5	1154.5
Cyl MAWP, psig	1270.0	1270.0
Cyl Action	DBL	DBL
Cyl Disp, CFM	70.6	70.6
Pres Suct Intl, psig	219.76	219.76
Temp Suct Intl, °F	65	65
Pres Disch Intl, psig	827.91	827.91
Temp Disch Intl, °F	236	236
HE Suct Gas Vel, FPM	9032	9032
HE Disch Gas Vel, FPM	9032	9032
HE Spcrs Used/Max	0/2	0/2
HE Vol Pkt Avail, %	1.48+63.67	1.48+63.67
Vol Pkt Used, %	0.69 (V)	0.69 (V)
HE Min Clr, %	16.48	16.48
HE Total Clr, %	18.40	18.40
CE Suct Gas Vel, FPM	8270	8270
CE Disch Gas Vel, FPM	8270	8270
CE Spcrs Used/Max	0/2	0/2
CE Min Clr, %	19.38	19.38
CE Total Clr, %	19.38	19.38
Suct Vol Eff HE/CE, %	67.5/66.1	67.5/66.1
Disch Event HE/CE, ms	5.6/6.3	5.6/6.3
Suct Pseudo-Q HE/CE	7.0/5.8	7.0/5.8
Gas Rod Ld Comp, %	67.6 C	67.6 C
Gas Rod Ld Tens, %	63.1 T	63.1 T
Gas Rod Ld Total, %	68.7	68.7
Xhd Pin Deg/%Rvrsl lbf	174/76.1	174/76.1
Flow Calc, MMSCFD	1.224	1.224
Cyl BHP	80.9	80.9



Ariel Performance

Company: Enerflex Ltd.
 Quote:
 Case 3:

Customer:
 Inquiry:
 Project:

ENERFLEX**7.6.7.0****Compressor Data:**

Elevation,ft:	4000.00	Barmtr,psia:	12.670	Ambient, °F:	95.00
Frame:	JGA/2	Stroke, in:	3.00	Rod Dia, in:	1.125
Max RL Tot, lbf:	20000	Max RL Tens, lbf:	10000	Max RL Comp, lbf:	11000
Rated RPM:	1800	Rated BHP:	280.0	Rated PS FPM:	900.0
Calc RPM:	1800.0	BHP:	168	Calc PS FPM:	900.0

Driver Data:

Type:	Nat. Gas
Mfg:	Caterpillar
Model:	G3306-TA (st
BHP:	203 (177)
Avail:	168 (9)

Services

Gas Model

Service 1

VMG

Stage Data:**1**

Target Flow, MMSCFD	2.500	---
Flow Calc, MMSCFD	2.633	---
BHP per Stage	161.8	---
Specific Gravity	0.6661	---
Ratio of Sp Ht (N)	1.2829	---
Comp Suct (Zs)	0.9391	---
Comp Disch (Zd)	0.9299	---
Pres Suct Line, psig	260.00	---
Pres Suct Flg, psig	260.00	---
Pres Disch Flg, psig	760.00	---
Pres Disch Line, psig	750.00	---
Pres Ratio F/F	2.834	---
Temp Suct, °F	60.00	---
Temp Clr Disch, °F	120.00	---

Cylinder Data:**Throw 1****Throw 2**

Cyl Model	4-1/8JG	4-1/8JG
Cyl Bore, in	3.875	3.875
Cyl RDP (API), psig	1154.5	1154.5
Cyl MAWP, psig	1270.0	1270.0
Cyl Action	DBL	DBL
Cyl Disp, CFM	70.6	70.6
Pres Suct Intl, psig	238.04	238.04
Temp Suct Intl, °F	65	65
Pres Disch Intl, psig	829.24	829.24
Temp Disch Intl, °F	225	225
HE Suct Gas Vel, FPM	9032	9032
HE Disch Gas Vel, FPM	9032	9032
HE Spcrs Used/Max	0/2	0/2
HE Vol Pkt Avail, %	1.48+63.67	1.48+63.67
Vol Pkt Used, %	9.02 (V)	9.02 (V)
HE Min Clr, %	16.48	16.48
HE Total Clr, %	23.70	23.70
CE Suct Gas Vel, FPM	8270	8270
CE Disch Gas Vel, FPM	8270	8270
CE Spcrs Used/Max	0/2	0/2
CE Min Clr, %	19.38	19.38
CE Total Clr, %	19.38	19.38
Suct Vol Eff HE/CE, %	63.7/69.1	63.7/69.1
Disch Event HE/CE, ms	5.6/6.7	5.6/6.7
Suct Pseudo-Q HE/CE	7.0/5.9	7.0/5.9
Gas Rod Ld Comp, %	66.0 C	66.0 C
Gas Rod Ld Tens, %	61.1 T	61.1 T
Gas Rod Ld Total, %	66.8	66.8
Xhd Pin Deg/%Rvrsl lbf	178/80.4	178/80.4
Flow Calc, MMSCFD	1.317	1.317
Cyl BHP	80.9	80.9