



Company: Ariel Corporation
 Quote:
 7.7.11.0 Remarks:

Ariel Performance

Customer: Burckhardt
 Inquiry:
 Project: 3-Stage Compressor Package



Compressor Data:

Elevat'n,ft:	50.00	Barmtr,psia:	14.669	Ambient,F:	100.00
Frame:	<u>JGH/4</u>	Stroke,in:	4.50	Rod Dia,in:	2.000
Max RL Tot,%:	100	Max RL Tens,%:	100	Max RL Comp,%:	100
Rated RPM:	1200	Rated BHP:	1200.0	Rated PS FPM:	900.0
Calc RPM:	1180.0	Calc BHP:	484	Calc PS FPM:	885.0

Driver Data:

Type:	Nat. Gas
Mfg:	Waukesha
Model:	F3521GSI
BHP:	606 (16.5%)
Avail:	566 (40)

Service

Stage Data

	Service 1	2	3
Flow Req'd, MMSCFD	3.000	---	---
Flow Calc, MMSCFD	2.275	---	2.241
Cyl BHP per Stage	192.4	---	132.5
Specific Gravity	0.7200	---	0.7188
Ratio of Sp Ht (N)	1.2258	---	1.2309
Comp Suct (Zs)	0.9906	---	0.9698
Comp Disch (Zd)	0.9845	---	0.9603
Pres Suct Line, psig	25.00	---	N/A
Pres Suct Flg, psig	24.60	---	146.12
Pres Disch Flg, psig	149.82	---	430.05
Pres Disch Line, psig	N/A	---	N/A
Pres Ratio F/F	4.188	---	2.766
Temp Suct, F	80.00	---	120.00
Temp Clr Disch, F	120.00	---	120.00

Cylinder Data

	Throw 1	Throw 3	Throw 4	Throw 2
Cyl Model	<u>11-1/2H</u>	<u>11-1/2H</u>	<u>7-3/8H</u>	<u>5-1/2H</u>
Cyl Bore,in	11.500	11.500	7.000	5.125
Cyl RDP (API),psig	454.5	454.5	768.2	1363.6
Cyl MAWP,psig	500.0	500.0	845.0	1500.0
Cyl Action	DBL	DBL	DBL	DBL
Cyl Disp, CFM	628.7	628.7	226.9	117.1
Pres Suct Intl, psig	22.63	22.63	136.67	406.18
Temp Suct Intl, F	88	88	125	124
Suct Zsph	0.9910	0.9910	0.9706	0.9253
Pres Disch Intl, psig	156.49	156.49	457.16	1249.10
Temp Disch Intl, F	265	265	264	268
HE Suct Gas Vel, FPM	7011	7011	7962	6425
HE Disch Gas Vel, FPM	6019	6019	7479	5391
HE Spcrs Used/Max	0/2	0/2	0/2	0/2
HE Vol Pkt Avail	0.96+44.54	0.96+44.54	0.96+44.59	1.04+47.38
HE Vol Pkt Used	0.00 (V) %	0.00 (V) %	0.00 (V) %	75.00 (V) %
HE Min Clr, %	18.18	18.18	17.06	14.10
HE Total Clr, %	19.14	19.14	18.02	50.68
CE Suct Gas Vel, FPM	6799	6799	7312	5446
CE Disch Gas Vel, FPM	5837	5837	6869	4570
CE Spcrs Used/Max	0/2	0/2	0/2	0/2
CE Min Clr, %	19.19	19.19	19.08	17.18
CE Total Clr, %	19.19	19.19	19.08	17.18
Suct Vol Eff HE/CE, %	48.5/48.3	48.5/48.3	69.5/67.9	26.5/69.1
Disch Event HE/CE, ms	6.1/6.9	6.1/6.9	8.9/10.0	5.2/10.0
Suct Pseudo-Q HE/CE	3.6/3.4	3.6/3.4	6.0/5.1	2.5/2.1
Gas Rod Ld Comp, %	46.6	46.6	42.7	62.5
Gas Rod Ld Tens, %	55.8	55.8	45.2	55.9
Gas Rod Ld Total, %	57.1	57.1	49.3	67.0
Xhd Pin Deg/%Rvrsl	162/87.2	162/87.2	168/98.2	165/35.1
Cyl Flow Calc, MMSCFD	1.138	1.138	2.270	2.241
Cyl BHP	96.2	96.2	145.3	132.5

Step: C1 - Adjusted Power: Avail BHP



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Ariel Performance

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 Project: 3-Stage Compressor Package



Compressor Data:

Elevat'n,ft:	50.00	Barmtr,psia:	14.669	Ambient,F:	100.00
Frame:	<u>JGH/4</u>	Stroke,in:	4.50	Rod Dia,in:	2.000
Max RL Tot, %:	100	Max RL Tens, %:	100	Max RL Comp, %:	100
Rated RPM:	1200	Rated BHP:	1200.0	Rated PS FPM:	900.0
Calc RPM:	1180.0	Calc BHP:	535	Calc PS FPM:	885.0

Driver Data:

Type:	Nat. Gas
Mfg:	Waukesha
Model:	F3521GSI
BHP:	606 (16.5%)
Avail:	566 (40)

Service

Stage Data

	Service 1	2	3
Flow Req'd, MMSCFD	3.000	---	---
Flow Calc, MMSCFD	2.613	---	---
Cyl BHP per Stage	218.5	---	---
Specific Gravity	0.7200	---	---
Ratio of Sp Ht (N)	1.2273	---	---
Comp Suct (Zs)	0.9895	---	---
Comp Disch (Zd)	0.9830	---	---
Pres Suct Line, psig	30.00	---	---
Pres Suct Flg, psig	29.55	---	---
Pres Disch Flg, psig	167.89	---	---
Pres Disch Line, psig	N/A	---	---
Pres Ratio F/F	4.128	---	---
Temp Suct, F	80.00	---	---
Temp Clr Disch, F	120.00	---	---

Cylinder Data

	Throw 1	Throw 3	Throw 4	Throw 2
Cyl Model	<u>11-1/2H</u>	<u>11-1/2H</u>	<u>7-3/8H</u>	<u>5-1/2H</u>
Cyl Bore,in	11.500	11.500	7.000	5.125
Cyl RDP (API),psig	454.5	454.5	768.2	1363.6
Cyl MAWP,psig	500.0	500.0	845.0	1500.0
Cyl Action	DBL	DBL	DBL	DBL
Cyl Disp, CFM	628.7	628.7	226.9	117.1
Pres Suct Intl, psig	27.33	27.33	153.35	429.19
Temp Suct Intl, F	88	88	125	124
Suct Zsph	0.9900	0.9900	0.9678	0.9219
Pres Disch Intl, psig	175.31	175.31	483.26	1249.61
Temp Disch Intl, F	265	265	258	261
HE Suct Gas Vel, FPM	7011	7011	7962	6425
HE Disch Gas Vel, FPM	6019	6019	7479	5391
HE Spcrs Used/Max	0/2	0/2	0/2	0/2
HE Vol Pkt Avail	0.96+44.54	0.96+44.54	0.96+44.59	1.04+47.38
HE Vol Pkt Used	0.00 (V) %	0.00 (V) %	0.00 (V) %	75.00 (V) %
HE Min Clr, %	18.18	18.18	17.06	14.10
HE Total Clr, %	19.14	19.14	18.02	50.68
CE Suct Gas Vel, FPM	6799	6799	7312	5446
CE Disch Gas Vel, FPM	5837	5837	6869	4570
CE Spcrs Used/Max	0/2	0/2	0/2	0/2
CE Min Clr, %	19.19	19.19	19.08	17.18
CE Total Clr, %	19.19	19.19	19.08	17.18
Suct Vol Eff HE/CE, %	49.4/49.2	49.4/49.2	71.6/70.1	32.0/71.2
Disch Event HE/CE, ms	6.1/7.1	6.1/7.1	9.3/10.5	5.9/10.5
Suct Pseudo-Q HE/CE	3.6/3.4	3.6/3.4	6.0/5.1	2.7/2.2
Gas Rod Ld Comp, %	51.6	51.6	44.1	61.2
Gas Rod Ld Tens, %	61.7	61.7	46.4	54.0
Gas Rod Ld Total, %	63.1	63.1	50.8	65.2
Xhd Pin Deg/%Rvrsl	176/92.3	176/92.3	168/98.0	163/36.9
Cyl Flow Calc, MMSCFD	1.307	1.307	2.608	2.578
Cyl BHP	109.3	109.3	158.4	144.0

Step: C1 - Adjusted Power: Avail BHP



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Compressor Data:

Elevat'n,ft:	50.00	Barmtr,psia:	14.669	Ambient,F:	100.00
Frame:	<u>JGH/4</u>	Stroke,in:	4.50	Rod Dia,in:	2.000
Max RL Tot, %:	100	Max RL Tens, %:	100	Max RL Comp, %:	100
Rated RPM:	1200	Rated BHP:	1200.0	Rated PS FPM:	900.0
Calc RPM:	1180.0	Calc BHP:	566	Calc PS FPM:	885.0

Driver Data:

Type:	Nat. Gas
Mfg:	Waukesha
Model:	F3521GSI
BHP:	606 (16.5%)
Avail:	566 (40)

Service

Stage Data

	1	---	2	3
Flow Req'd, MMSCFD	3.000	---		
Flow Calc, MMSCFD	2.848	---	2.845	2.817
Cyl BHP per Stage	231.8	---	167.9	152.5
Specific Gravity	0.7200	---	0.7197	0.7106
Ratio of Sp Ht (N)	1.2345	---	1.2405	1.2583
Comp Suct (Zs)	0.9890	---	0.9668	0.9220
Comp Disch (Zd)	0.9831	---	0.9590	0.9223
Pres Suct Line, psig	35.00	---	N/A	N/A
Pres Suct Flg, psig	34.50	---	176.13	462.70
Pres Disch Flg, psig	180.43	---	471.04	1212.15
Pres Disch Line, psig	N/A	---	N/A	1200.00
Pres Ratio F/F	3.968	---	2.546	2.570
Temp Suct, F	80.00	---	120.00	120.00
Temp Clr Disch, F	120.00	---	120.00	120.00

Cylinder Data

	Throw 1	Throw 3	Throw 4	Throw 2
Cyl Model	<u>11-1/2H</u>	<u>11-1/2H</u>	<u>7-3/8H</u>	<u>5-1/2H</u>
Cyl Bore,in	11.500	11.500	7.000	5.125
Cyl RDP (API),psig	454.5	454.5	768.2	1363.6
Cyl MAWP,psig	500.0	500.0	845.0	1500.0
Cyl Action	DBL	DBL	DBL	DBL
Cyl Disp, CFM	628.7	628.7	226.9	117.1
Pres Suct Intl, psig	32.03	32.03	164.86	444.96
Temp Suct Intl, F	88	88	125	124
Suct Zsph	0.9895	0.9895	0.9677	0.9240
Pres Disch Intl, psig	188.36	188.36	500.99	1249.67
Temp Disch Intl, F	264	264	257	259
HE Suct Gas Vel, FPM	7011	7011	7962	6425
HE Disch Gas Vel, FPM	6019	6019	7479	5391
HE Spcrs Used/Max	0/2	0/2	0/2	0/2
HE Vol Pkt Avail	0.96+44.54	0.96+44.54	0.96+44.59	1.04+47.38
HE Vol Pkt Used	7.89 (V) %	7.89 (V) %	0.00 (V) %	75.00 (V) %
HE Min Clr, %	18.18	18.18	17.06	14.10
HE Total Clr, %	22.65	22.65	18.02	50.68
CE Suct Gas Vel, FPM	6799	6799	7312	5446
CE Disch Gas Vel, FPM	5837	5837	6869	4570
CE Spcrs Used/Max	0/2	0/2	0/2	0/2
CE Min Clr, %	19.19	19.19	19.08	17.18
CE Total Clr, %	19.19	19.19	19.08	17.18
Suct Vol Eff HE/CE, %	44.8/51.9	44.8/51.9	73.0/71.6	36.0/72.8
Disch Event HE/CE, ms	5.9/7.5	5.9/7.5	9.6/10.7	6.4/10.7
Suct Pseudo-Q HE/CE	3.6/3.4	3.6/3.4	6.0/5.1	2.8/2.2
Gas Rod Ld Comp, %	54.5	54.5	45.1	60.2
Gas Rod Ld Tens, %	65.1	65.1	47.1	52.6
Gas Rod Ld Total, %	66.6	66.6	51.7	64.0
Xhd Pin Deg/%Rvrsl	170/96.1	170/96.1	168/95.4	162/38.9
Cyl Flow Calc, MMSCFD	1.424	1.424	2.845	2.817
Cyl BHP	115.9	115.9	167.9	152.5

Step: C1 - Adjusted Power: Avail BHP



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 Remarks:

Ariel Performance

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Compressor Data:

Elevat'n,ft:	50.00	Barmtr,psia:	14.669	Ambient,F:	100.00
Frame:	<u>JGH/4</u>	Stroke,in:	4.50	Rod Dia,in:	2.000
Max RL Tot, %:	100	Max RL Tens, %:	100	Max RL Comp, %:	100
Rated RPM:	1200	Rated BHP:	1200.0	Rated PS FPM:	900.0
Calc RPM:	1180.0	Calc BHP:	566	Calc PS FPM:	885.0

Driver Data:

Type:	Nat. Gas
Mfg:	Waukesha
Model:	F3521GSI
BHP:	606 (16.5%)
Avail:	566 (40)

Service

Stage Data

	1	---	2	3
Flow Req'd, MMSCFD	3.000	---		
Flow Calc, MMSCFD	2.930	---	2.928	2.902
Cyl BHP per Stage	225.4	---	171.3	155.5
Specific Gravity	0.7200	---	0.7196	0.7118
Ratio of Sp Ht (N)	1.2380	---	1.2429	1.2600
Comp Suct (Zs)	0.9884	---	0.9673	0.9241
Comp Disch (Zd)	0.9828	---	0.9604	0.9258
Pres Suct Line, psig	40.00	---	N/A	N/A
Pres Suct Flg, psig	39.45	---	180.59	468.85
Pres Disch Flg, psig	185.17	---	477.46	1212.15
Pres Disch Line, psig	N/A	---	N/A	1200.00
Pres Ratio F/F	3.692	---	2.520	2.537
Temp Suct, F	80.00	---	120.00	120.00
Temp Clr Disch, F	120.00	---	120.00	120.00

Cylinder Data

	Throw 1	Throw 3	Throw 4	Throw 2
Cyl Model	<u>11-1/2H</u>	<u>11-1/2H</u>	<u>7-3/8H</u>	<u>5-1/2H</u>
Cyl Bore,in	11.500	11.500	7.000	5.125
Cyl RDP (API),psig	454.5	454.5	768.2	1363.6
Cyl MAWP,psig	500.0	500.0	845.0	1500.0
Cyl Action	DBL	DBL	DBL	DBL
Cyl Disp, CFM	628.7	628.7	226.9	117.1
Pres Suct Intl, psig	36.73	36.73	169.06	450.89
Temp Suct Intl, F	88	88	125	124
Suct Zsph	0.9889	0.9889	0.9682	0.9261
Pres Disch Intl, psig	193.38	193.38	507.78	1249.66
Temp Disch Intl, F	256	256	257	257
HE Suct Gas Vel, FPM	7011	7011	7962	6425
HE Disch Gas Vel, FPM	6019	6019	7479	5391
HE Spcrs Used/Max	0/2	0/2	0/2	0/2
HE Vol Pkt Avail	0.96+44.54	0.96+44.54	0.96+44.59	1.04+47.38
HE Vol Pkt Used	25.69 (V) %	25.69 (V) %	0.00 (V) %	75.00 (V) %
HE Min Clr, %	18.18	18.18	17.06	14.10
HE Total Clr, %	30.58	30.58	18.02	50.68
CE Suct Gas Vel, FPM	6799	6799	7312	5446
CE Disch Gas Vel, FPM	5837	5837	6869	4570
CE Spcrs Used/Max	0/2	0/2	0/2	0/2
CE Min Clr, %	19.19	19.19	19.08	17.18
CE Total Clr, %	19.19	19.19	19.08	17.18
Suct Vol Eff HE/CE, %	34.6/56.0	34.6/56.0	73.5/72.1	37.5/73.3
Disch Event HE/CE, ms	5.4/7.9	5.4/7.9	9.6/10.7	6.6/10.9
Suct Pseudo-Q HE/CE	3.3/3.4	3.3/3.4	6.0/5.1	2.8/2.2
Gas Rod Ld Comp, %	54.7	54.7	45.4	59.9
Gas Rod Ld Tens, %	65.2	65.2	47.5	52.1
Gas Rod Ld Total, %	66.8	66.8	52.1	63.5
Xhd Pin Deg/%Rvrsl	170/81.9	170/81.9	169/94.4	161/40.0
Cyl Flow Calc, MMSCFD	1.465	1.465	2.928	2.902
Cyl BHP	112.7	112.7	171.3	155.5

Step: C1 - Adjusted Power: Avail BHP



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Ariel Performance

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Compressor Data:

Elevat'n,ft:	50.00	Barmtr,psia:	14.669	Ambient,F:	100.00
Frame:	<u>JGH/4</u>	Stroke,in:	4.50	Rod Dia,in:	2.000
Max RL Tot, %:	100	Max RL Tens, %:	100	Max RL Comp, %:	100
Rated RPM:	1200	Rated BHP:	1200.0	Rated PS FPM:	900.0
Calc RPM:	1180.0	Calc BHP:	566	Calc PS FPM:	885.0

Driver Data:

Type:	Nat. Gas
Mfg:	Waukesha
Model:	F3521GSI
BHP:	606 (16.5%)
Avail:	566 (40)

Service

Stage Data

	1	---	2	3
Flow Req'd, MMSCFD	3.000	---		
Flow Calc, MMSCFD	2.931	---	2.931	2.914
Cyl BHP per Stage	213.7	---	175.6	162.9
Specific Gravity	0.7200	---	0.7202	0.7178
Ratio of Sp Ht (N)	1.2737	---	1.2759	1.2881
Comp Suct (Zs)	0.9915	---	0.9788	0.9512
Comp Disch (Zd)	0.9903	---	0.9793	0.9641
Pres Suct Line, psig	45.00	---	N/A	N/A
Pres Suct Flg, psig	44.40	---	180.37	468.18
Pres Disch Flg, psig	185.23	---	477.05	1212.15
Pres Disch Line, psig	N/A	---	N/A	1200.00
Pres Ratio F/F	3.384	---	2.521	2.541
Temp Suct, F	80.00	---	120.00	120.00
Temp Clr Disch, F	120.00	---	120.00	120.00

Cylinder Data

	Throw 1	Throw 3	Throw 4	Throw 2
Cyl Model	<u>11-1/2H</u>	<u>11-1/2H</u>	<u>7-3/8H</u>	<u>5-1/2H</u>
Cyl Bore,in	11.500	11.500	7.000	5.125
Cyl RDP (API),psig	454.5	454.5	768.2	1363.6
Cyl MAWP,psig	500.0	500.0	845.0	1500.0
Cyl Action	DBL	DBL	DBL	DBL
Cyl Disp, CFM	628.7	628.7	226.9	117.1
Pres Suct Intl, psig	41.44	41.44	168.99	450.62
Temp Suct Intl, F	88	88	125	125
Suct Zsph	0.9919	0.9919	0.9795	0.9526
Pres Disch Intl, psig	193.28	193.28	506.12	1247.83
Temp Disch Intl, F	266	266	273	270
HE Suct Gas Vel, FPM	7011	7011	7962	6425
HE Disch Gas Vel, FPM	6019	6019	7479	5391
HE Spcrs Used/Max	0/2	0/2	0/2	0/2
HE Vol Pkt Avail	0.96+44.54	0.96+44.54	0.96+44.59	1.04+47.38
HE Vol Pkt Used	56.77 (V) %	56.77 (V) %	0.00 (V) %	75.00 (V) %
HE Min Clr, %	18.18	18.18	17.06	14.10
HE Total Clr, %	44.43	44.43	18.02	50.68
CE Suct Gas Vel, FPM	6799	6799	7312	5446
CE Disch Gas Vel, FPM	5837	5837	6869	4570
CE Spcrs Used/Max	0/2	0/2	0/2	0/2
CE Min Clr, %	19.19	19.19	19.08	17.18
CE Total Clr, %	19.19	19.19	19.08	17.18
Suct Vol Eff HE/CE, %	21.5/62.0	21.5/62.0	74.5/73.1	40.2/74.2
Disch Event HE/CE, ms	4.4/8.9	4.4/8.9	9.7/11.0	6.9/11.0
Suct Pseudo-Q HE/CE	2.8/3.4	2.8/3.4	6.0/5.0	2.8/2.1
Gas Rod Ld Comp, %	53.1	53.1	45.2	59.8
Gas Rod Ld Tens, %	63.1	63.1	47.2	52.0
Gas Rod Ld Total, %	64.7	64.7	51.9	63.4
Xhd Pin Deg/%Rvrsl	157/72.1	157/72.1	168/93.9	161/42.6
Cyl Flow Calc, MMSCFD	1.466	1.466	2.931	2.914
Cyl BHP	106.8	106.8	175.6	162.9

Step: C1 - Adjusted Power: Avail BHP



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 Quote:
 Remarks:

Ariel Performance

Customer: Burckhardt
 Inquiry:
 Project: 3-Stage Compressor Package



Compressor Data:

Elevat'n,ft:	50.00	Barmtr,psia:	14.669	Ambient,F:	100.00
Frame:	<u>JGH/4</u>	Stroke,in:	4.50	Rod Dia,in:	2.000
Max RL Tot,%:	100	Max RL Tens,%:	100	Max RL Comp,%:	100
Rated RPM:	1200	Rated BHP:	1200.0	Rated PS FPM:	900.0
Calc RPM:	1180.0	Calc BHP:	566	Calc PS FPM:	885.0

Driver Data:

Type:	Nat. Gas
Mfg:	Waukesha
Model:	F3521GSI
BHP:	606 (16.5%)
Avail:	566 (40)

Service

Stage Data

	Service 1	2	3
Flow Req'd, MMSCFD	3.000	---	---
Flow Calc, MMSCFD	3.131	---	3.097
Cyl BHP per Stage	217.0	---	158.2
Specific Gravity	0.7200	---	0.7081
Ratio of Sp Ht (N)	1.2306	---	1.2540
Comp Suct (Zs)	0.9846	---	0.9119
Comp Disch (Zd)	0.9767	---	0.9094
Pres Suct Line, psig	50.00	---	N/A
Pres Suct Flg, psig	49.35	---	191.10
Pres Disch Flg, psig	196.10	---	491.88
Pres Disch Line, psig	N/A	---	N/A
Pres Ratio F/F	3.292	---	2.462
Temp Suct, F	80.00	---	120.00
Temp Clr Disch, F	120.00	---	120.00

Cylinder Data

	Throw 1	Throw 3	Throw 4	Throw 2
Cyl Model	<u>11-1/2H</u>	<u>11-1/2H</u>	<u>7-3/8H</u>	<u>5-1/2H</u>
Cyl Bore,in	11.500	11.500	7.000	5.125
Cyl RDP (API),psig	454.5	454.5	768.2	1363.6
Cyl MAWP,psig	500.0	500.0	845.0	1500.0
Cyl Action	DBL	DBL	DBL	DBL
Cyl Disp, CFM	628.7	628.7	226.9	117.1
Pres Suct Intl, psig	46.11	46.11	178.86	464.14
Temp Suct Intl, F	87	87	124	124
Suct Zsph	0.9851	0.9851	0.9620	0.9140
Pres Disch Intl, psig	205.08	205.08	523.73	1250.51
Temp Disch Intl, F	235	235	250	251
HE Suct Gas Vel, FPM	7011	7011	7962	6425
HE Disch Gas Vel, FPM	6019	6019	7479	5391
HE Spcrs Used/Max	0/2	0/2	0/2	0/2
HE Vol Pkt Avail	0.96+44.54	0.96+44.54	0.96+44.59	1.04+47.38
HE Vol Pkt Used	55.58 (V) %	55.58 (V) %	0.00 (V) %	75.00 (V) %
HE Min Clr, %	18.18	18.18	17.06	14.10
HE Total Clr, %	43.90	43.90	18.02	50.68
CE Suct Gas Vel, FPM	6799	6799	7312	5446
CE Disch Gas Vel, FPM	5837	5837	6869	4570
CE Spcrs Used/Max	0/2	0/2	0/2	0/2
CE Min Clr, %	19.19	19.19	19.08	17.18
CE Total Clr, %	19.19	19.19	19.08	17.18
Suct Vol Eff HE/CE, %	20.5/61.3	20.5/61.3	74.1/72.7	39.2/74.1
Disch Event HE/CE, ms	4.2/8.8	4.2/8.8	9.7/10.9	6.8/11.0
Suct Pseudo-Q HE/CE	2.7/3.4	2.7/3.4	6.1/5.1	2.9/2.2
Gas Rod Ld Comp, %	55.6	55.6	46.3	59.2
Gas Rod Ld Tens, %	66.0	66.0	48.2	51.0
Gas Rod Ld Total, %	67.8	67.8	53.1	62.5
Xhd Pin Deg/%Rvrsl	152/67.1	152/67.1	169/92.5	161/40.2
Cyl Flow Calc, MMSCFD	1.565	1.565	3.131	3.097
Cyl BHP	108.5	108.5	177.0	158.2

Step: C1 - Adjusted Power: Avail BHP