



Unit Specs:

-Packager: Hanover

-Year Built: 2001?

-Engine: Caterpillar G3306TA (Removed for OH in pics but on site.)

-HP Rating: 203 HP @ 1800 RPM

-Frame: Ariel JGA-2/3

-Cylinder Configuration:

8.875" JG (230 psi), 6.125" JG (635 psi), 3.375" JG (1,320 psi)

-Cooler: Air X-Changers 54EH

- MAWP- IC1: 645 psi
- MAWP- IC 2: 645 psi
- MAWP- AC: 1,250 psi

-Condition: Engine currently removed for OH but on site; compressor believed to be in field-run condition.

Performance runs and current photos included below.



Ariel Performance

Company: Synergy Field Services
 Quote:
 Case 1:

Customer:
 Inquiry:
 Project:



Compressor Data:

Elevation,ft: 50.00 Barmtr,psia: 14.669 Ambient,F: 100.00
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:** **200** Calc PS FPM: 900.0

Driver Data:

Type: VFD
 Mfg:
 Model: 60 Hz - 4 Po
 BHP: 200
Avail: **200**

RDP

Services

Service 1

Gas Model VMG-APRNL2

Stage Data:

	1 (SG)	2	3
Target Flow, MMSCFD	0.800	0.800	0.800
Flow Calc, MMSCFD	0.925	0.924	0.914
BHP per Stage	79.8	57.9	55.9
Specific Gravity	0.6500	0.6496	0.6387
Ratio of Sp Ht (N)	1.2450	1.2482	1.2669
Comp Suct (Zs)	0.9911	0.9737	0.9323
Comp Disch (Zd)	0.9871	0.9682	0.9367
Pres Suct Line, psig	30.00	N/A	N/A
Pres Suct Flg, psig	29.55	153.53	453.31
Pres Disch Flg, psig	157.59	461.58	1262.65
Pres Disch Line, psig	N/A	N/A	1250.00
Pres Ratio F/F	3.895	2.831	2.729
Temp Suct, F	80.00	120.00	120.00
Temp Clr Disch, F	120.00	120.00	120.00



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Elevation,ft: 50.00 Barmtr,psia: 14.669 Ambient,F: 100.00
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:** **197** Calc PS FPM: 900.0

Driver Data:

Type: **VFD**
 Mfg:
 Model: 60 Hz - 4 Po
 BHP: 200
Avail: **200**

RDP

Services

Service 1

Gas Model

VMG-APRNL2

Stage Data:

	1 (SG)	2	3
Target Flow, MMSCFD	0.800	0.800	0.800
Flow Calc, MMSCFD	1.079	1.079	1.076
BHP per Stage	66.4	66.0	58.7
Specific Gravity	0.6500	0.6501	0.6490
Ratio of Sp Ht (N)	1.2572	1.2537	1.2709
Comp Suct (Zs)	0.9850	0.9715	0.9267
Comp Disch (Zd)	0.9809	0.9669	0.9322
Pres Suct Line, psig	65.00	N/A	N/A
Pres Suct Flg, psig	64.20	177.95	507.14
Pres Disch Flg, psig	182.95	517.14	1262.65
Pres Disch Line, psig	N/A	N/A	1250.00
Pres Ratio F/F	2.506	2.761	2.448
Temp Suct, F	80.00	120.00	120.00
Temp Clr Disch, F	120.00	120.00	120.00





