

|                            |                |
|----------------------------|----------------|
| Date: 11/19/2019 , 2:35 PM | Quote Contact: |
| Customer/End-User:         | Project Name:  |
| Packager/OEM:              | Site Location: |

| Unit Performance     |       |        |                 |         |         |
|----------------------|-------|--------|-----------------|---------|---------|
| Gas Flow:            | Mscfd | 756.55 | Oil Heat Load:  | BTU/min | 1403.90 |
| Shaft Power:         | HP    | 118.89 | Oil Inj. Diff.: | °F      | 10.47   |
| Oil Injection Temp.: | °F    | 219.53 | Oil Flow:       | gal/min | 30.61   |
| ERRORS/NOTES:        |       |        |                 |         |         |

| Unit Information: HG17235VI(E) |         |                       |  |
|--------------------------------|---------|-----------------------|--|
| Maximum Discharge Pressure:    | psiG    | 350.00                |  |
| Maximum Discharge Temperature: | °F      | 250.00                |  |
| Maximum Shaft Power:           | HP      | 180.00                |  |
| Minimum Oil Flow:              | gal/min | 20.00                 |  |
| Oil Orifice/Oil Pump:          |         | 3/8in orifice         |  |
| Torsional Inertia:             | Lbm-ft² | 22.52                 |  |
| Fan offered:                   |         | Yes, but not using it |  |

| Environmental Conditions |      |        |                       |
|--------------------------|------|--------|-----------------------|
| Suction Temperature:     | °F   | 100.00 | Shaft Speed: RPM 1800 |
| Suction Pressure:        | psiG | 2.50   | @ Flange: psiG 2.00   |
| Discharge Pressure:      | psiG | 100.00 | @ Flange: psiG 105.00 |
| Discharge Temperature:   | °F   | 230.00 |                       |
| Suction Pressure Drop:   | psi  | 0.50   |                       |
| Discharge Pressure Drop: | psi  | 5.00   |                       |

| Site Information      |      |         |                        |
|-----------------------|------|---------|------------------------|
| Elevation:            | ft   | 3000.00 | Base Temp. °F 60.00    |
| Atmospheric Pressure: | psiA | 13.17   | Base Press. psiA 14.70 |

| Gas Analysis – ProSim Thermodynamics |         |
|--------------------------------------|---------|
| Gas                                  | Amount  |
| METHANE:                             | 5.37    |
| ETHANE:                              | 17.87   |
| PROPANE:                             | 32.71   |
| ISOBUTANE:                           | 7.01    |
| n-BUTANE:                            | 19.32   |
| ISOPENTANE:                          | 5.6     |
| n-PENTANE:                           | 6.4     |
| n-HEXANE:                            | 3.7     |
| CARBON DIOXIDE:                      | 0.09    |
| NITROGEN:                            | 0.02    |
| WATER:                               | 0.73    |
| TOTALS (%):                          | 98.82   |
| Specific Gravity:                    | 1.6824  |
| K Value (Cp/Cv @ 150 °F):            | 1.1196  |
| Mole Weight:                         | 48.7311 |

| Stage Data:                | Stage 1 | Stage 2 |
|----------------------------|---------|---------|
| Internal Ratio:            | 4.4     |         |
| Rotor Diameter: mm         | 175.000 | mm      |
| Gear Ratio:                | 2.354   |         |
| Versatrol Ports Available: | 4       | N/A     |
| Versatrol Ports Open:      | 0       | N/A     |
| Turn Valve Setting: %      | N/A     | N/A     |
| Tip Speed: m/sec           | 38.825  | %       |
| Suction Pressure: psiG     | 2.50    | psiG    |
| Discharge Pressure: psiG   | 100.00  | psiG    |
| Suction Temperature: °F    | 100.00  | °F      |
| Discharge Temperature: °F  | 230.00  | °F      |
| Power: HP                  | 118.89  | HP      |

\*All power and flow values are +/- 5%\*

\*\*\*NOTES\*\*\*

- Minimum oil viscosity is 15 centistokes at injection temperature.
- Higher viscosity oil may cause higher than predicted shaft power.
- Discharge temperatures between 230 °F and 250°F are acceptable for certain applications. Consult the factory if this condition is required.