



# **SAN JUAN COMPRESSION, LLC**

2211 River Road, Farmington, NM 87401

## **50 HP Electric Driven LeRoi HG 1212 Rotary Screw Compressor VRU**

### ***Electric Motor:***

- 50 HP
- 60 Hz Nema Premium Efficient
- 3555 RPM
- 460V 3 Phase

### ***LeRoi HG 1212 Rotary Screw Compressor***

- HG 1212 Gear Ratio
- MSCFD @ 1800 RPM = 80
- MSCFD @ 3555 RPM = 220
- Direct Drive, Laser Aligned
- 1 to 1 Ratio with Motor

### ***Electric Motor Control***

- Schneider Altivar 71 Variable Frequency Drive (VFD)
- 10:1 Ratio Reduction (RPM Range = 3555 to 355)
- 4-20 mA Signal input from PLC for Motor Control
- Nema Enclosure

### ***IDEC PLC w/Touchscreen HMI***

- IDEC Micro Smart Pentra Processor
- 4-20 mA Suction Pressure Transmitter from Stock Tank
- PID loop Control for Suction Pressure set point (4-20mA to VFD)
- Suction Bypass Solenoid Valve Control for Low Suction Control
- External Memory SD Card for Suction Pressure Storing
- Low Suction Automatic Restart Function for Continuous Operation



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