

Unused 2010 Frick RWF II 270 H Rotary Screw Compressor Package – 643 HP

Mfg: Frick

Model: RWF II 270 H

Stock No: HGPM049.200

Serial No: 10241A19434098

Unused 2010 Frick RWF II 270 H Rotary Screw Compressor Package. Model: RWF II 270 H. Serial Number: 10241A19434098. Using ammonia R-717 it is capable of producing 598 tons at 639 bhp with a 20°F suction temperature, 95°F condensing temperature, 10°F liquid subcooling and 10°F suction superheat, or originally set up to provide 404.7 TR when absorbing 622.4 BHP with R-717 at 100 % load. This rating is based upon 0.0°F SST and 95.0°F SCT with 10.0 °F of non-useful suction superheat and 0.0 °F of subcooling in the condenser. This capacity rating is based upon 0.0 psi pressure drop in the suction line, 0.2 psi pressure drop in the suction valve assembly, 0.3 psi pressure drop in the discharge valve, and 0.0 psi pressure drop in the discharge line. Frick Rotary Screw Compressor, model SGC2321, serial no. 10241A19378976, Vi ratio: 2.2 - 5.0. Nominal CFM .displacement: 1,589. Ram Industries motor: 643 hp, 3575 rpm, 480 volt, 60 Hz, 3 phase. Units feature Quantum XL control panel, Ram electronic soft starters and liquid injection oil cooling. Approximate weight: 14200 lbs. Overall dimensions: 13 ft. 10 in. L x 6 ft. 2 in. W x 8 ft. 10 in. H.

Additional features and details include:

- Automatic continuously variable slide valve capacity control (100% to approximately 12%)
- Standard / no pump differential gas pressure lubrication system.
- Standard suction shutoff valve, with check valve and suction strainer.
- Standard discharge shutoff valve, with check valve and stop valve
- Standard oil separator with sump, oil heaters; and dual relief valve assembly with rupture discs, pressure gauge, and pressure switch, and access cover for replacement of internal coalescing element(s). Oil separator is designed and constructed in accordance with ASME Section VIII, Div I for a maximum design working pressure of 300 PSIG.
- Dual canister Super Filter-II™ oil filter(s) with isolation valves.
- Liquid Injection oil cooling using EZ-Cool™ motorized control valve controlled via the Quantum™ LX microprocessor control panel.
- Economizer kit: includes compressor connection, microprocessor output device, check valve, angle valve, and strainer.
- Quantum™ LX microprocessor control panel with safety and operating controls including color VGA graphics display, auto setback, override control, on-screen calibration, shutdown notification, and I/O upgrade capability in NEMA 4 enclosure, using 110 volt power.
- 2nd Analog Board
- Power Miser™ Economizer port pressure monitoring.
- Temperature Capacity Control.
- Panel Internal Circulation Fan
- Panel Heater.
- Outdoor Display
- Compressor coupled to motor with flexible coupling.
- Motor Plus Package consisting of the following items:
 - Smart Series 643 HP, 460V, 60 Hz, Weatherproof -WP II with stainless steel inlet screens, energy-wise, NEMA premium efficient with a nominal efficiency of 95.8%, low noise motor with flanged mounting. Includes motor space heater. Equipped with stainless steel inlet screens.
 - Solid State (Unit Mounted) 643 HP, 460V, 60 Hz, combination compressor motor starter with main circuit breaker disconnect with shunt trip, shorted SCR detection for shunt trip, control power transformer, compressor motor current transformer, maximum current limiter, current ramp with hp rated bypass contactor with automatic control, under voltage protection, instantaneous overcurrent trip, phase loss protection plus appropriate interlocks and wiring , all

in a NEMA 4 enclosure, UL listed, complete with factory installed power wiring to the motor and control wiring to the microprocessor, tested and ready for operation. Includes starter panel heater.

- Amerlock 400 High Solids Epoxy Paint with Amerlock 450 Topcoat, Gray.



