

Unused 2010 Frick RWF II 480 Rotary Screw Compressor Package – 235 HP

Mfg: Frick

Model: RWF II 480 B

Stock No: HGPM043.220

Serial No: 10241B19447087

Unused 2010 Frick RWF II 480 Rotary Screw Compressor Package. Model: RWF II 480. Serial Number: 10241B19447087. Sales order no: 30040052350. Using ammonia R-717 it is capable of producing 1044 tons at 1115 bhp with a 20°F suction temperature, 95°F condensing temperature, 10°F liquid subcooling and 10°F suction superheat. Original setup to provide 91.1 TR when absorbing 227.6 bhp with R-717 at 100% load. This rating is based upon -75.0°F SST and +5.0°F SIT 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, the suction valve assembly, the disc, and the discharge valve. Frick Rotary Screw Compressor, model SGC2821, serial no. 10241A19378962. 235 hp, 460 volt motor. Vi ratio: 2.2 - 5.0. Nominal CFM displacement: 2,824. Quantum XL control panel Approximate shipping weight: 18,200 lbs. Overall dimensions: 16 ft. 8 in. L x 8 ft. 6 in. W x 10 ft. H.

Additional features and details include:

- Automatic continuously variable slide valve capacity control (100% to approximately 12%)
- Demand lube oil pump for low differential pressure lubrication systems.
- Low temperature design suction shutoff valve, with check valve and suction strainer (ship loose)
- 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.
- 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
- 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 235 HP, 460V, 60 Hz, Weatherproof -WP II with stainless steel inlet screens, energy-wise, NEMA premium efficient with a nominal efficiency of 95.0%, low noise motor with flanged mounting. Includes motor space heater. Equipped with stainless steel inlet screens.
 - Solid State (Unit Mounted) 235 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.





Frick
ROTARY SCREW COMPRESSOR UNIT

SALES ORDER NUMBER: **30040052350**

MODEL NO: **RWF II 480 B**

SERIAL NO: **10241B19447087**

REFRIGERANT: **R717 Ammonia**

MAX DESIGN PRESSURE: PSIG **300**
kPa **2068**

YEAR: **2010**

B-1

100 CV AVENUE, WAYNESBORO, PA 17268
PHONE: 717-762-2121

YORK INTERNATIONAL

SO# SY0640 WO# JLB0011105
DWG# 214003 2/1/2011
DOM# FW423L7.5D2

PART # FW423L7.5D2

TYPE 4 VOLTS 480 HZ 60 PH 3

LARGEST: HP 235 FLA 262 ATR-188

TOTAL: HP 242.5 FLA 283.6 WITHSTAND 65kA

INSTALL THIS EQUIPMENT IN ACCORDANCE WITH NEC REQUIREMENTS. CHECK ALL TERMINATIONS FOR TIGHTNESS PRIOR TO ENERGIZING THIS EQUIPMENT. FIELD INSTALLED CONDUCTORS SHOULD BE RATED 60°C MINIMUM ON CIRCUITS SUPPLYING 100 AMPS OR LESS, AND 75°C MINIMUM ABOVE 100 AMPS. USE COPPER CONDUCTORS ONLY.

WARNING

THE OPENING OF THE BRANCH-CIRCUIT PROTECTIVE DEVICE MAY INDICATE THAT A FAULT CURRENT HAS BEEN INTERRUPTED. TO REDUCE THE RISK OF FIRE OR ELECTRICAL SHOCK, COMPONENTS SHOULD BE EXAMINED AND REPLACED IF DAMAGED. IF BURNOUT OF THE CURRENT ELEMENT OCCURS, THE COMPLETE OVERLOAD RELAY MUST BE REPLACED.

LA-207304

Frick
BY JOHNSON CONTROLS

ROTARY SCREW COMPRESSOR

MODEL NO. **SGC2821**

SERIAL NO. **10241A19378962**

MAX. ALLOWABLE PRESSURE - PSIG **400**
MAX. DRIVER SPEED - RPM **4200**

WAYNE, 30RD, PA 17268

CUSTOMER: YORK CUSTOMER ORDER NO. 30040052350

YORK PART NO. FW423L7.5D2 YORK'S SALES ORDER: 30040052350

QTY: 1 ASSEMBLY: 100% REV. B LAYOUT DRAWING: 21036 REV. A

STARTER SPECIFICATIONS

INCOMING POWER
VOLTS: 480
HZ: 60

COMPRESSOR ELECTRICAL DATA
HP: 242.5 FLA: 283.6 LRC: 645 N

DELTA MOTOR DATA
HP: 7.5
FLA: 80.9

MAIN CIRCUIT BREAKER
Trip Settings: L - Long Time Pick-Up (0.1) .40
Long-Time Delay (0.1) 0
Instantaneous Trip (0.1) 3.0

WIRING SETTINGS FOR DELTAMAX NETWORK

CONTROL BOARD SETTINGS

SW1 (FLA ROTARY SWITCH) Set to 0
SW2 (OVERLOAD SETPOINT) Set to 0.25 (FLA)
SW3 (RAMP TIME) Set to 1.0 (seconds)
SW4 (COMPARISON INPUT SWITCH)

WIRING SETTINGS

WV0 - RIGHT (ON LINE)
WV1 - LEFT (OFF POWER)
WV2 - RIGHT (ON LINE)
WV3 - LEFT (OFF POWER)
WV4 - RIGHT (ON LINE)
WV5 - LEFT (OFF POWER)
WV6 - RIGHT (ON LINE)
WV7 - LEFT (OFF POWER)
WV8 - RIGHT (ON LINE)
WV9 - LEFT (OFF POWER)

Ultimate Trip: 115% FLA

Issued: February 01, 2011 04:42A

SQUARE D MADE IN MEXICO-24
Schneider Electric

H1 H3 H2 H4
X4 X2 X3 X1

CAT. NO.: 3S1F 3 KVA PHASE: 1
FREQUENCY: 60 Hz. INS. CLASS: 180 DEG. C

PRV. V ON LINES CONNECT	SEC. V ON LINES	CONNECTION
480 H1-H4 H2H3	240 X1-X4	X2X3
240 H1-H4 H1H3,H2H4	120 X1-X4	X1X3,X2X4
	120/240 X1-X3-X4	X2X3

GENERAL PURPOSE TRANSFORMER

For field connections, use wires insulated for a minimum of 90 C and sized on the basis of 75 C ampacity.

Reinforced Type 3R Enclosure

▲ DANGER ▲ PELIGRO ▲ DANGER
HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH

