

Cimco Refrigeration Skid Summary

Description – Stand alone R-507 refrigeration skid provided by Toromont - CIMCO. It was designed for a system that sent the cooled refrigerant directly out to the users and back. Therefore, the skid does not contain an evaporator as it was not intended to cool an intermediate heat transfer fluid. The skid contains 3 capacity Frick compressor systems each designed for 50% capacity and able to operate at the same time. The compressors each have a Quantum HD / Johnson Controls Controllers for each compressor and a separate control panel for the condenser fans and skid with an Allen Bradly HMI (Probably an AB PLC as well).

Year Built – 2014. Never been in service but stored outside. Condensers are not mounted on the skid.

Basic Design Information

Design Refrigerant – R-507

Capacity 180 tonsR

Design pressure 350 psig

Piping Code ANSI B31.5

Compressor Package – Frick RXF 85

Compressor Model # XJF151L

Compressor Design Pressure 362 psig

Flowrate 2112.9 SCFM

Speed 3550 RPM

Compression Ratio 11.67

Capacity 60.3 TonsR

Motor 250 HP – 460 volt 3 phase

Dimensions

Skid Dimensions 12'W, 40'L, 12'H. Condensers / fans separate.

Skid Weight dry 6,294 lbs.

Suction Line Size 6" 300#

Discharge line size 4" 300#

