



(2) x 1680 HP Engine Driven Refrigeration Package

COMPASS MODEL NO: DUAL WK1680-SF_3519

- Application:** Process refrigeration compression
- Customer Objective:** Provide process refrigeration to replace existing infrastructure and future expansion requirements.
- Design Challenges:** Space limitations on site (~ 120ft x 120ft) required the package to be designed with two large HP engine driven compressors to be packaged within a single building. The skid was designed to allow for "bolt-in" future expansion for another twin module to be installed.
- Compass Solution:** With the space limitations imposed, Compass was able to meet the design challenges by incorporating the plot space under the condensers to be used for other process equipment. In addition, a large horizontal economizer was proposed to be used with each dual train compressor. This further reduced not only the cost, but the required packaged footprint.

Major Equipment Specifications

Compressor:

Two (2) Frick 3519 compressors, c/w speed increaser

Drive:

Two (2) Waukesha L7044GSI, 1680 bhp at 1200 rpm

Air Cooler:

Two (2) AXH 168-2Z condensers, with two (2) 132-1Z engine water coolers

Control Panel:

AB PLC

Other Features:

Fully integrated control with the existing plant compression on site

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