

Oil-Free, Rotary Screw Air Compressors
Two-stage, Air-cooled and Water-cooled
20-50 HP Fixed Speed
25-75 HP Variable Speed
40-125 PSIG

Oil-Free • Risk Free



www.knw-series.com

Proven Rotary Screw Technology in a Compact Package

Oil-Free • Risk Free Rotary Screw Design

Since the first compressor manufactured in 1955, Kobelco® has stayed one step ahead of the competition with constant innovation and dedication to quality.

Long acknowledged to be the most efficient, low cost and reliable method for producing oil-free air, the Kobelco® KNW Series rotary screw compressor is available in sizes ranging from 20-500 horsepower. The Kobelco® KNW Series offers the most complete line available on the market.



All 00 frame models feature stainless steel rotors with special corrosion resistant coating to deliver 100% oil-free air.

Touchscreen Operator Interface with Graphic Display

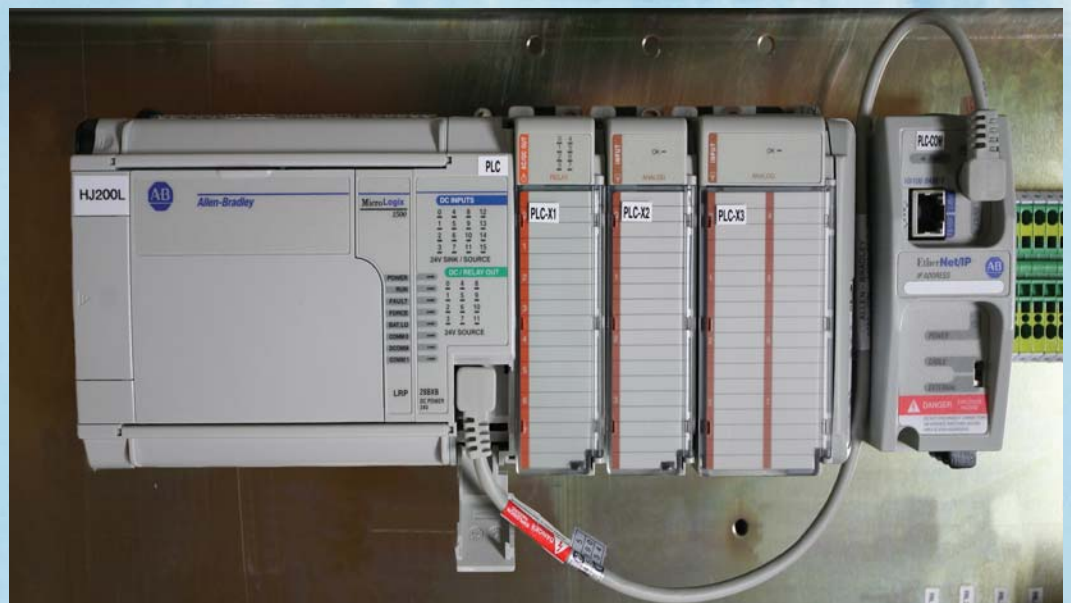


Easy to Read Touchscreen Display

Complete status indication is displayed continuously during operation, while in stand-by or after emergency shutdown. Discrete push buttons with lights for quick indication of operating status. An audible alarm is provided for alarm annunciation.

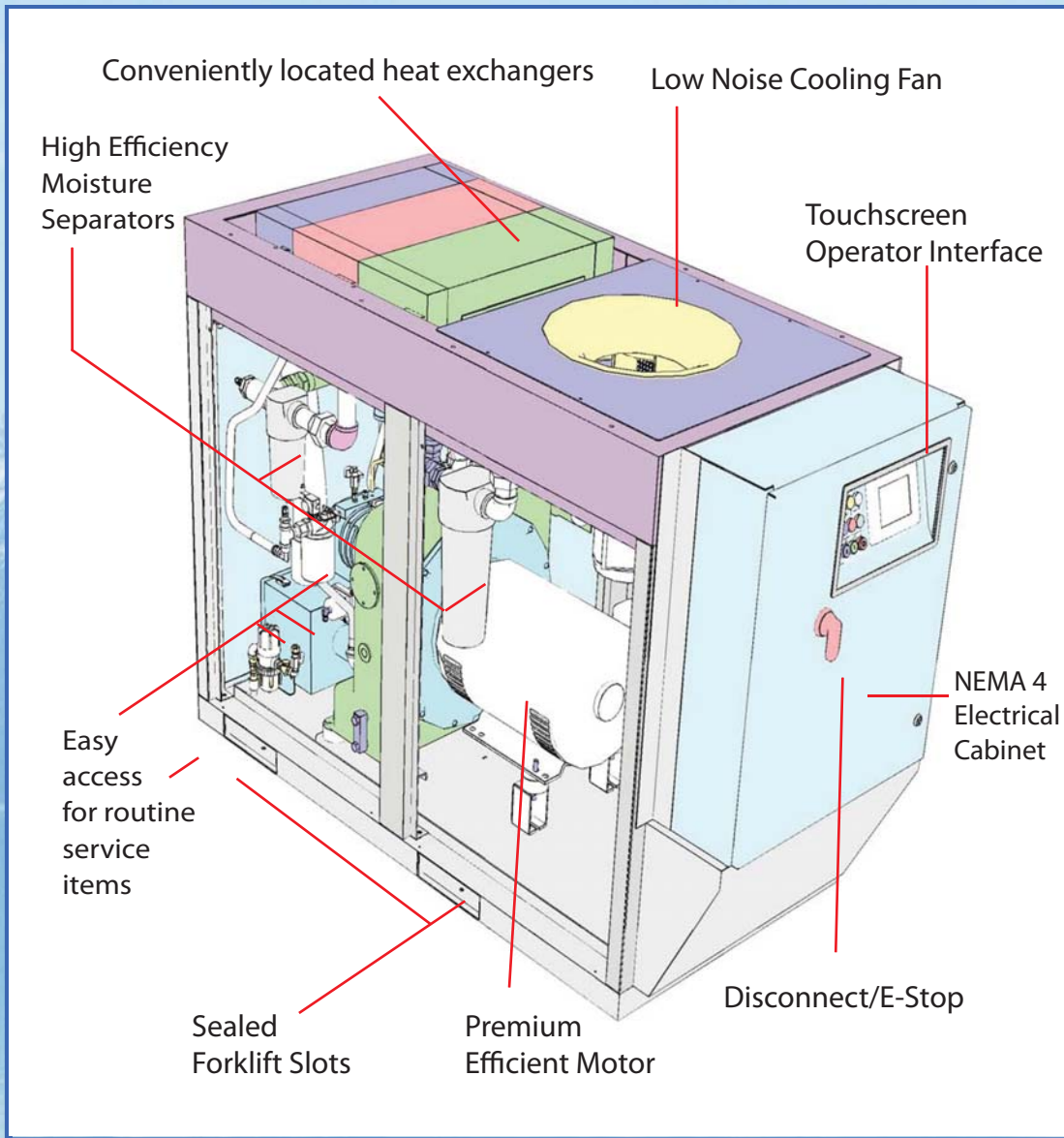
Allen Bradley Programmable Logic Controller (PLC)

The PLC initiates and sequences the proper events during start-up, operation and shutdown. It monitors system functions, safety devices and instrumentation. The PLC incorporates an erasable programmable read only memory chip (EPROM) for permanent program storage. Programs can be changed to meet various plant requirements. In addition, interfacing with other equipment and plant monitoring systems is easily accomplished. Competitive models do not offer a PLC.



Standard Allen-Bradley PLC. Built in sequencing capability - up to four compressors. Interfacing with plant monitoring systems easily accomplished. Allen Bradley Ethernet Communication module shown, as an option. PLC manufacturers of customer preference can also be utilized. Multiple communication protocols are available, including modbus via ethernet.

Simple and Efficient with High Reliability



Low Installation Cost

Conveniently located utility connections provide quick and easy installation. Units are thoroughly factory tested prior to shipment. All models have the same compact footprint. Air or water cooled models are available.

Quiet

Full sound enclosure with easy to remove panels provide quick access for routine maintenance. Quiet operation 64 - 74 dB(A) is standard for both air and water cooled models.

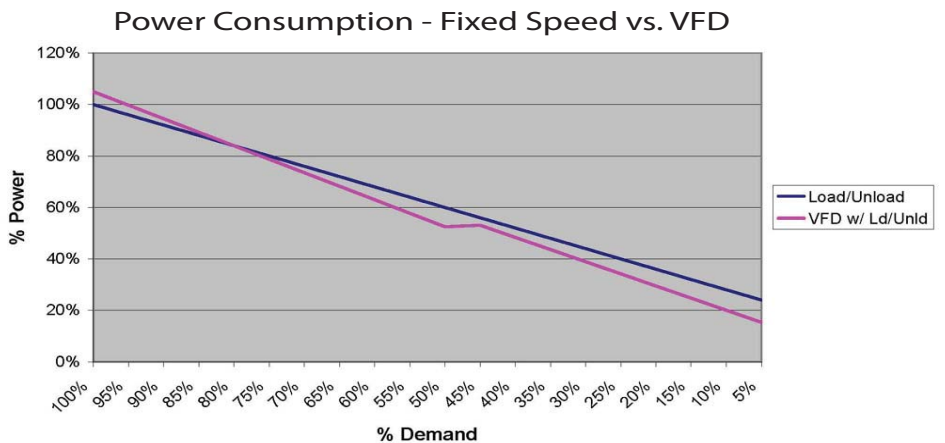
Premium Efficient Motor

A premium efficient, EISA heavy-duty motor is flange mounted to the compressor for permanent trouble-free alignment.

Energy Saving Load/Unload Capacity Control or VFD

Simple capacity control provides reliable operation and maximum energy efficiency. This control loads and unloads the compressor to match system demand, keeping energy costs to a minimum. The compressor will shutdown after operating unloaded for a period of time and automatically restart on system demands. Full offering of VFD models are also available.

VFD or load/unload control - Choose which energy saving control is best for your application.



Healthcare Facility Package

The Kobelco® KNW Series compressor meets the requirements of NFPA99 for use as a medical air compressor. Healthcare facility option package includes the following:

- Inlet air adapter
- Auto restart after power failure
- Lag-in use alarm
- Non-fused disconnect switch
- Automatic lead / lag control

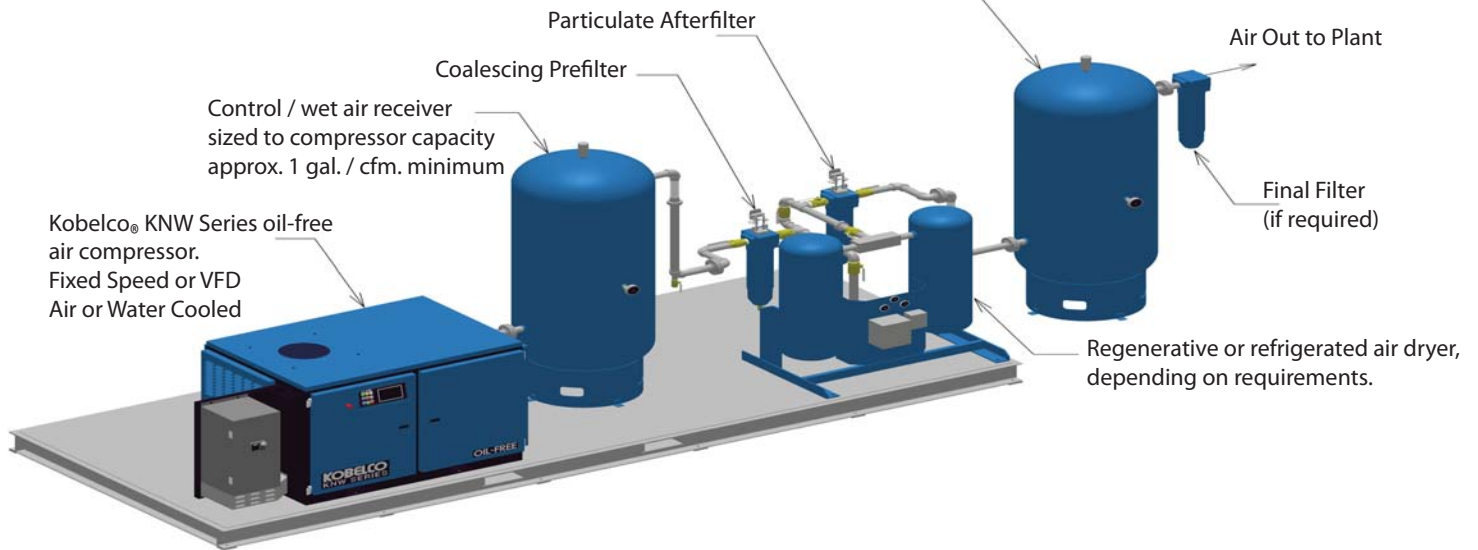
Kobelco® KNW Series oil-free compressors are preferred by hospitals and laboratories worldwide. Customers prefer the lower maintenance costs, energy efficiency, low sound level, dependable and vibration free operation, when compared to liquid ring, reciprocating or scroll type compressors.



Breathing air systems are regulated by OSHA (see 29 CFR 1910.134) and medical systems must comply with NFPA 99 guidelines.

Typical Clean Dry Air System Installation

Dry air receiver sized to specific system requirements.



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Subject to Change Without Notice

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