

SPECIFICATIONS

SN5500V, SN7500V Series 60 Hz

75, 100 HP Heavy Duty Industrial Air Compressor

COMPRESSOR UNIT:	Single Stage, heavy duty, flood lubricated, asymmetrical lobe, rotary screw type. Unit equipped with tapered roller bearings for extended bearing life.
MOTOR:	Premium Efficient, TEFC 460V standard NEMA TSC frame, C-flanged, Class F insulation, squirrel cage induction type. 40°C maximum ambient temperature.
DRIVE:	Variable Speed Drive, 460V, NEMA 12 with soft start as standard. 575V is available as an option.
COUPLING:	NEMA C-flanged motor couples direct to compressor unit through non-lubricated, flexible coupling.
INLET AIR FILTER:	Heavy-duty dry type with differential pressure indicator. 99.99% Efficient Per SAE J726C. Oversized for longer life. Element is easily replaced.
AIR/FLUID HOUSING & SEPARATION SYSTEM:	ASME 210 PSIG rated tank with ASME pressure relief valve, exclusive fluid filler to prevent overfilling; fluid level sight glass; molded media, high efficiency, long life air / fluid separator element; minimum pressure valve; mounted on vibration isolators.
COOLING LUBRICATING SYSTEM:	Fluid removes heat of compression from compressor unit and is circulated by air pressure differential (no auxiliary pump required) through integral mounted air-cooled or water-cooled heat exchanger and filter. Equipment includes piped air-cooled after-cooled coolers with separate TEFC motor driven fan mounted for updraft discharge or water-cooled after-cooled coolers with water through the tube and air in the shell, integrated moisture separator and electric drain. Full flow fluid filter, fluid thermal bypass valve. "O" ring seals are used on fluid connections. Maximum operating temperature of air-cooled coolers is 46°C (115°F).
FLUID FILTER:	Full flow fluid filter with spin off bowl for ease of service. Filter has replaceable element with high Performance fiberglass media with efficiency rating Beta 15 = 75 Per ISO 16889. Elements are coreless containing no metal for environmentally friendly disposal.
CONTROL:	Variable Speed Drive (VSD) Control System is used to match compressor output to system demand by controlling compressor speed. Below 25 percent (model dependant) air demand, the machine will unload and shutdown at the same time relieving sump pressure to atmosphere.
PROTECTIVE DEVICES:	High discharge temperature shutdown, low and high sump pressure, motor overload: low water pressure switch on water-cooled machines, fan motor overload on air-cooled machines.

**CONTROL PANEL &
PROTECTIVE DEVICES:**

Sullair Touch Screen microprocessor control with pressure and temperature inputs provides warnings and shutdown indication on a 7" full color display. Message display for high unit discharge temp, high unit discharge pressure, main drive overload, cooling fan motor overload, or cooling water pressure and sensor malfunctions. Continuous monitoring and display of essential functions: discharge line pressure, load status, unit discharge temperature, total hours run and power on. Maintenance indication for air filter, fluid filter, and air/fluid separator is also displayed. Service and preventive maintenance screens indicate consumable part life remaining (fluid, air filter, fluid filter and separators). RS-232, RS-485 and Ethernet communication ports allow for several communications and remote monitoring control options. UL508 compliant and CSA is optional.

ENCLOSURE:

Equipped with sound enclosure for low noise emission.

GENERAL:

All components are assembled and mounted as an integral package. Main motor and compressor are mounted on vibration isolators. Corrosion resistant control tubing and fittings are standard.

NOTE: Data subject to change without notice.

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