



**ADHD-LYM 125/160/185 CFM
ABOVEDECK HYDRAULIC DRIVEN
ROTARY SCREW AIR COMPRESSOR
BID SPECIFICATION
REVISED: August 23, 2024**

- Type:** Vanair® 125/160/185 ADHD-LYM hydraulically driven rotary screw air compressor. New and in current production.
- Capacity:** 125/160/185 CFM free air at up to 150 PSIG.
- Compressor:** Oil injected rotary screw air end. The air compressors shall be completely manufactured and assembled in the USA. Air compressor inlet control valve shall be an integral design incorporated in the cast iron housing. No bolt on inlet control valves.
- Hydraulic Motor:** Gear type hydraulic motor
- | | | | | | | |
|--------------------------|------|------|------|------|------|------|
| CFM | 125 | 125 | 160 | 160 | 185 | 185 |
| Air Pressure | 100 | 150 | 100 | 150 | 100 | 150 |
| Hyd. Flow (GPM) | 30 | 30 | 37 | 37 | 42 | 45 |
| Hyd. Press. (PSI) | 2500 | 2650 | 2300 | 2900 | 2400 | 2850 |
| Input Speed (RPM) | 1330 | 1330 | 1675 | 1675 | 1920 | 1920 |
- Ratings per CAGI/PNEUROP PN2CPTC3
- Compressor Drive:** Compressor hydraulic drive motor to be directly coupled to air compressor through a flexible coupling (no belt drives).
- Weight:** Dry weight (Lbs.):
730 standard side-mount receiver configuration with fittings
- Dimensions:** 46.3L x 40.3W x 26.8H (In.) standard side-mount receiver configuration with fittings
- Air Intake Filters:** Separate two-stage, heavy duty, dry-type air filters shall be provided for air compressor.
- Air/Fluid Separator:** Separator element to be located internally in air receiver tank. Vanair® separator shall provide enhanced air quality, reduced operating and maintenance cost and optimized compressor performance. Separator to be warranted for 5 years or 3000 hours.
- Instrument Panel:** Panel to include compressor air pressure gauge, hour meter, compressor oil temperature gauge and over-temperature/over-pressure reset switch.
- Protective Circuit:** Compressor to provide automatic shutdown in case of high compressor temperature or over pressurization. Additional protective features provided include automatic blow down valve, receiver relief valve and minimum pressure valve.
- Cooling System:** Compressor cooling system shall allow rated air delivery and pressure operation continuously in 120°F ambient temperatures. Cooler to be mounted in a powder coated sheet metal enclosure with a suction type fan assembly. (No ABS plastic shrouding) Compressor fluid shall be filtered by a 25 micron full flow spin-on replaceable filter canister. A thermal bypass valve shall be provided to regulate compressor cooling.



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Controls:	Pneumatic inlet control valve shall be integrated into compressor system and automatically modulate output from 0 to 100% in response to air demand
Mainframe and Enclosure:	Fully powder-coated galvalume mainframe and sheet metal enclosure with full service access.
Warranty:	The air end is warranted for life when adhering to the prescribed maintenance schedule. This warranty does not cover damage caused by accident, misuse, or negligence. If the compressor unit is disassembled, the warranty is void. All other parts including the compressor unit shaft seal are warranted for twelve months subject to the same conditions mentioned above.
Service Centers:	The air compressor manufacturer MUST have factory authorized service centers located in each state of the United States of America and Canadian provinces.
Options:	Dual Pressure 100/150 PSI Electric or Pneumatic 20 - 60 Gallon Air Reservoirs Aftercoolers Air Hoses Air Tools Filter/Lubricator/Regulator (FLR) Hose Reels and Fittings OSHA Safety Valve (Velocity Fuse) Post Drivers Service/Control Line Moisture Separators Tool Oiler/Lubricator