



ADHD ➤

 AIR COMPRESSOR

Big Air Power Abovedeck!

Powerful, and built for heavy-duty applications, Vanair's hydraulically driven ADHD provides you with the power of a 185 CFM and 150 PSI PTO shaft-driven system in a modular package. Designed to be versatile, the ADHD can be placed anywhere on the vehicle to meet your layout needs. Available in multiple configurations, the ADHD features a lifetime warranty on its air end.



SPECIFICATIONS						
Capacity (CFM)	125	125	160	160	185	185**
Air Pressure (PSI)	100	150	100	150	100	150
Hydraulic Flow (GPM)*	27.6	29.2	36.8	38.3	42.2	44.2
Hydraulic Pressure (PSI)*	2100	2620	2200	2700	2400	2830
Input-Speed (RPM)	1340	1370	1770	1780	2015	2040

ADHD™ Unit Dimensions with fittings (In.):
 46.3L X 47.4W X 26.8H | Dry Weight (Lbs.): 730 | Standard side-mount receiver configuration
 46.3L X 47.4W X 26.8H | Dry Weight (Lbs.): 755 | Standard side-mount receiver configuration 185 CFM @ 100 PSI
 45.9L X 35.7W X 42.9H | Dry Weight (Lbs.): 900 | Vertically stacked configuration receiver
 48.4L X 35.7W X 42.9H | Dry Weight (Lbs.): 925 | Vertically stacked configuration receiver 185 CFM @ 100 PSI

* Ratings are approximate and are based on 120 °F hydraulic fluid temperature. Add 400 PSI minimum to hydraulic requirements for hydraulic system continuous pressure ratings. Consult Vanair® for specific details.
 **185 CFM @ 150 PSI systems may require additional cooling.



PERFORMANCE/FEATURES

- 125-185 CFM and Up to 150 PSI
- 12V and 24V DC Models Available
- Air End is Directly Coupled to the Hydraulic Motor
- Heavy-Duty Powder-Coated, Galvanneal Sheet Metal Enclosure

AIR COMPRESSOR

- Oil-Injected Rotary Screw Air Compressor
- Integrated Inlet Control
- Lifetime Warranty
- Made in the USA

DISCHARGE TANK

- In-Tank Coalescer with 5 Year or 3000 Hour Life
- Less Than 2 PPM Oil Carry-Over
- Pressure Rated to 250 PSI
- ASME and CRN Certified
- Available in Side-Mounted or Vertically Stacked Configurations

AIR-TO-OIL COOLER

- Capable of Cooling Up to 150 PSI
- Ambient Operating Range of -20 °F to +120 °F

AIR FILTER

- ABS Plastic Housing
- Dual Stage

INSTRUMENTATION

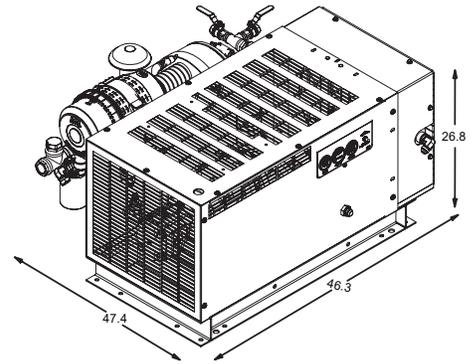
- Pressure, Hour and Temperature Gauges
- Conveniently Located

SAFETY EQUIPMENT

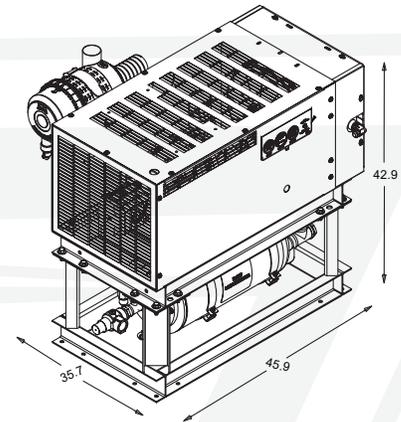
- Air Pressure Relief Safety Valve
- Automatic Blow-Down on Shutdown
- High-Temperature and High-Pressure Compressor Shutdown
- Oil Fill Plug Safety Relief

OPTIONS/ACCESSORIES

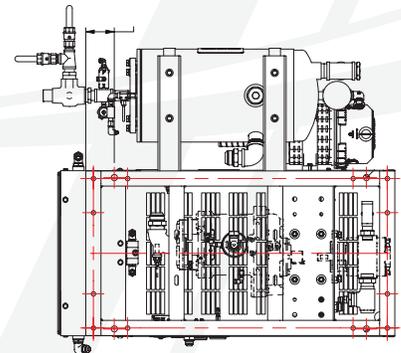
- 20-60 Gallon Air Reservoirs
- Aftercoolers
- Air Hoses
- Air Tools
- Cold Weather Package to Prevent Freeze-Ups
- Filter/Lubricator/Regulator (FLR)
- Hose Reels and Fittings
- OSHA Safety Valve (Velocity Fuse)
- Post Drivers
- Service/Control Line Moisture Separators
- Tool Oiler/Lubricator



SIDE MOUNT CONFIGURATION



STACKED CONFIGURATION



MOUNTING HOLES ON STACKED VERSION

HYDRAULIC SYSTEM REQUIREMENTS

All hydraulic ratings and pressures are at the machine and do not take into account the pressure drops of individual hydraulic systems. These pressure drops need to be taken into account and added to the rating of the hydraulic pump and components. Vanair highly recommends consulting a hydraulic supply expert for specifying the correct hydraulic pump size and type, oil reservoir size, hydraulic cooler, hydraulic pressure relief, and other hydraulic supply components for your application. Please take into consideration the following: The hydraulic flow and pressure requirements of the air compressor, the continuous hydraulic load when the compressor is running, the duty cycle and ambient operating temperatures, and any other hydraulic equipment that may share the same hydraulic supply system (Vanair recommends a dedicated pump and hydraulic circuit).

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