



RELIENT[™] RS45

 AIR COMPRESSOR

Light, Quiet, and Powerful Air Power on Demand!

The RS45's featherweight rust-proof aluminum canopy reduces truck weight and fuel consumption. Providing an impressive 45 CFM and up to 175 PSI of on-demand air power at 100% duty cycle, the RS45 has the highest CFM rating in its class. Advanced sound attenuation technology significantly reduces the sound level of the machine. Quieter, lighter and more powerful, the RS45 will meet your toughest challenges out in the field.

SPECIFICATIONS												
Capacity (CFM)	30	30	30	35	35	35	40	40	40	45	45	45
Air Pressure (PSI)	100	125	150	100	125	150	100	125	150	100	125	150
Hydraulic Flow (GPM)*	7	7.2	7.3	8.3	8.4	8.6	9.6	9.7	9.8	11	11.1	11.2
Hydraulic Pressure (PSI)*	1950	2175	2375	2000	2200	2450	2050	2250	2475	2150	2350	2550

Reliant[™] RS45 Unit Dimensions with fittings (In.): 35.3L X 21W X 22.8H | Dry Weight (Lbs.): 195
 *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.



PERFORMANCE/FEATURES

- 30-45 CFM, Up to 150 PSI
- Lightweight - Only 195 lbs.

ENCAPSULATED AIR COMPRESSOR

- Rotary Screw Air Compressor
- Bolt-On Electric Inlet Valve
- Integral Air-to-Oil Separator Tank
- Lifetime Warranty on Air End

AIR-TO-OIL COOLER

- Capable of Cooling Up to 175 PSI
- Ambient Operating Range of -20 °F to + 125 °F

HYDRAULIC COOLER

- Integrated Cooler Reduces Heat in Truck Hydraulic System

HYDRAULICS

- Gear-Type Motor
- Open Center or Closed Center
- Hydraulic Oil In – 3/4" 37 Degree JIC (#12)
- Hydraulic Oil Out - 1" 37 Degree JIC (#16)
- Hydraulic Case Drain - 3/8" 37 Degree JIC (#6)
- Hydraulic Load Sense Line - 1/4" 37 Degree JIC (#4)*

INSTRUMENTAL STANDARD

- Conveniently Located and Easy to Read Temperature, Hour, and Gauges
- Relocatable

SAFETY EQUIPMENT

- Air Pressure Relief Safety Valve
- Hydraulic Oil Pressure Relief Valve
- Automatic Blow-Down on Shutdown
- High-Temperature and High-Pressure Shutdown
- Vent Fuel Cap

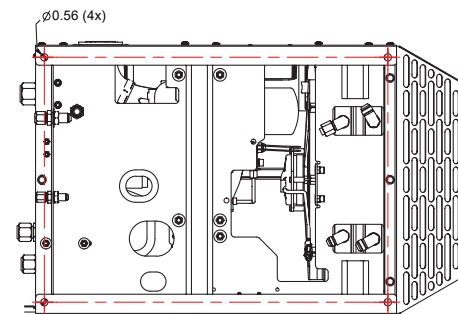
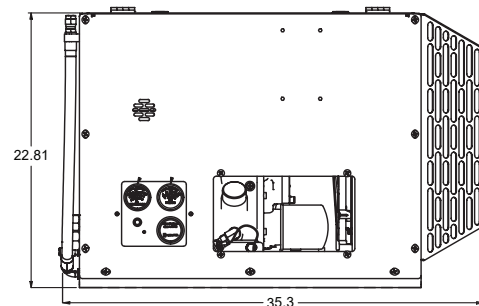
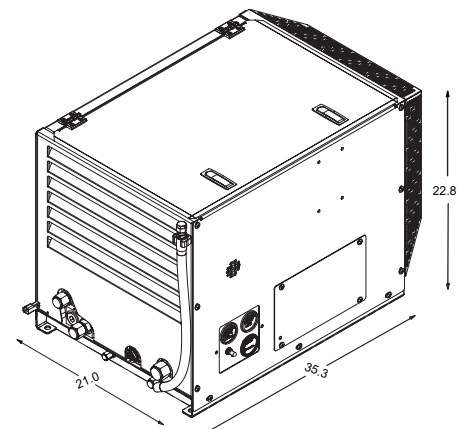
SERVICEABILITY/CONVENIENCE

- Reversible Hinged Hood and Oil Fill Service
- Access Panel for Easy Accessibility
- JIC Fittings on Front of Machine for Hydraulic and Air Connections for Convenience

OPTIONS/ACCESSORIES

- 20 - 60 Gallon Air Reservoirs
- Aftercoolers
- Air Hoses
- Air Tools
- Hose Reels and Fittings
- OSHA Safety Valve (Velocity Fuse)
- Service/Control Line Moisture Separators
- Tool Oiler/Lubricator
- Service Airline De-Icer
- Filter Regulator Lubricator (FRL) 1/2"
- 24V Converter

*Load sense line for closed center hydraulic system only



MOUNTING HOLES

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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