

INTRODUCING THE INDUSTRY'S MOST POWERFUL, LIGHTWEIGHT, QUIET ROTARY SCREW AIR COMPRESSOR IN ITS CLASS

RELIANT™ RS85



www.CompressedAirSystems.com

Now 40% Lighter Than its Predecessor. 40% More Air Power Than the Competition. Quieter Operation.

The Reliant™ RS85 provides a whopping 85 cfm of air power at almost ½ the weight of its predecessor. Enough power, in fact, to operate a 90 lb jack hammer, 4" piercing tool, 1 ½ inch impact wrench and to assist in air gouging. No other brand of hydraulic driven above-deck systems can even come close. The RS85 is designed with an aluminum canopy, base, and air end to reduce vehicle weight and to protect against rust. Its compact footprint increases deck space on your truck, and its sound attenuation design decreases noise levels for comfortable operation. Featuring an easy to use on/off button LED control panel, the RS85 comes with the standard Vanair® Lifetime Warranty on its air end.

SPECIFICATIONS

Capacity (CFM)	60	60	70	70	80	80	85	85
Air Pressure (PSI)	100	150	100	150	100	150	100	125
Compressor (RPM)	1950	1975	2275	2300	2650	2650	2850	2850
Hydraulic Flow (GPM)*	14.0	14.2	16.7	16.8	18.5	18.8	19.7	19.9
Hydraulic Pressure (PSI)*	2240	2750	2370	2800	2470	3075	2470	2700

Dimensions with fittings (In.):

31L X 21.0W X 22.75H | Dry Weight (Lbs.): 238 lbs | Standard side-mount receiver configuration

* 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.

Product improvement is a continuing goal. Design and specifications are subject to change without notice or obligation. RELIANT_RS85_09192017

PERFORMANCE

- 60-85 CFM and Up to 150 PSI
- 12V and 24V DC Models Available

ENCAPSULATED AIR COMPRESSOR

- Direct-Driven Aluminum Encapsulated Rotary Screw Air End
- Bolt-On Electric Inlet Valve
- Integral Air-to-Oil Separator Tank
- Lifetime Warranty on Air End
- Made in the USA

AIR-TO-OIL COOLER

- Capable of Cooling Up to 150 PSI
- Ambient Operating Range of -20 °F to + 125 °F

AIR FILTER

- Metal Housing
- Single Stage

HYDRAULICS

- Integrated Hydraulic Cooler Included for Air Package
- Hydraulic Case Drain
- Gear-Type Motor Directly Mounted to Air Compressor
- Open Center or Closed Center Operating Systems
- Hydraulic Oil In - 3/4" 37 Degree JIC
- Hydraulic Oil Out - 1" 37 Degree JIC

INSTRUMENTATION

- Conveniently Located and Easy to Read
- LED Display Control Panel
- Remote Mountable

SERVICEABILITY / CONVENIENCE

- JIC Fittings on Front of Machine for Hydraulic and Air Connections
- Easy to Access Panels for Oil Filter and Other Maintenance Items
- Easy Visibility and Accessibility for Oil Sight Glass and Oil Fill

CANOPY

- Single Point Removable Lifting Bail
- Reversible Hinged Hood
- Lightweight Powder-Coated, Aluminum Sheet Metal Enclosure
- Aluminum Base Frame

SAFETY EQUIPMENT

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

OPTIONS/ACCESSORIES

- Cold Weather Package with Thermal Valve to Prevent Freeze Ups
- 20 - 60 Gallon Air Reservoirs
- Aftercoolers
- Air Hoses
- Air Tools
- Hose Reels and Fittings
- OSHA Safety Valve (Velocity Fuse)
- Post Drivers
- Service/Control Line Moisture Separators
- Tool Oiler/Lubricator
- Service Airline De-Icer
- Filter Lubricator Regulator (FLR)1"

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).