



**RELIANT™ RS85-LYM 60 - 85 CFM  
ALUMINUM ABOVEDECK HYDRAULIC DRIVEN  
ROTARY SCREW AIR COMPRESSOR  
BID SPECIFICATION  
REVISED: May 16, 2024**

**Type:** Vanair® Reliant™ RS85-LYM. New and in current production.

**Capacity:** 60-85 CFM free air at up to 150 PSIG.

**Compressor:** Vanair® aluminum encapsulated 85 CFM rotary screw air compressor system with discharge check valve to reduce horsepower consumption during unloaded condition.

**Input Speed:** Air compressor shall produce 85 CFM at 2850 RPM input speed.

**Hydraulic Motor:** Gear type hydraulic motor.

**Performance: Low Pressure**

CFM	60	70	80	85
Air Pressure	100	100	100	100
Hyd. Flow (GPM)	14.0	16.5	18.5	19.7
Hyd. Pres. (PSI)	2500	2650	2800	2800

**High Pressure**

CFM	60	70	80	85
Air Pressure	150	150	150	125
Hyd. Flow (GPM)	14.2	16.8	18.8	19.9
Hyd. Pres. (PSI)	2750	2800	3075	2950

**Compressor Drive:** Air compressor shall be direct drive with the hydraulic motor coupled to the air end.

**Weight:** Dry weight (Lbs.): 285

**Dimensions:** 34.73L x 21.23W x 24.78H (In.)

**Air Intake Filters:** Separate two-stage, heavy duty, dry-type air filter shall be provided for air compressor.

**Air/Fluid Separator:** Separator to be externally mounted spin-on design. Vanair® separator shall provide for enhanced air quality, reduced operating and maintenance cost and optimized compressor performance.

**Instrument Panel:** Remote digital display includes provisions for compressor temperature, air pressure, and hour meter. The display is IP67 rated and is enclosed in a NEMA enclosure. Includes a 12' harness.

**Protective Circuit:** Compressor to provide provisions for automatic shutdown in case of high compressor temperature or over pressurization. Additional protective features provided include automatic blow down valve, receiver relief valve and a 90 PSI minimum pressure valve for minimized oil carry-over.

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<b>Cooling System:</b>	Compressor cooling system shall allow rated air delivery and pressure operation continuously in 125 °F ambient temperatures. Cooler to be mounted in a powder-coated aluminum sheet metal enclosure with a brushless, blower type fan assembly. Compressor fluid shall be filtered by a 25 micron full flow spin-on replaceable filter canister.
<b>Hydraulic Cooler:</b>	Compressor package to include integrated hydraulic oil cooler.
<b>Inlet Controls:</b>	Electric inlet control valve shall be integrated into compressor system and automatically modulate output from 0 to 100% in response to air demand
<b>On/Off Control:</b>	Compressor package to contain a combined on/off solenoid valve and directional safety valve, along with a hydraulic pressure relief valve to divert hydraulic oil back to the reservoir in cases of over-temperature or over-pressure conditions.
<b>Mainframe and Enclosure:</b>	Fully powder-coated steel main frame and aluminum sheet metal enclosure with full service access.
<b>Warranty:</b>	The air end is warranted for life and 3 year labor 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.
<b>Service Centers:</b>	The air compressor manufacturer must have factory authorized service centers located in each state of the United States of America and some Canadian provinces.
<b>Options:</b>	20 - 60 Gallon Air Reservoirs Aftercoolers Air Hoses Air Tools Hose Reels and Fittings Stainless Steel OSHA Safety Valve (Velocity Fuse) Service/Control Line Moisture Separators Tool Oiler/Lubricator Service Airline De-Icer