



**RELIANT™ RC40-L ABOVEDECK
HYDRAULIC DRIVEN
RECIPROCATING AIR COMPRESSOR
BID SPECIFICATION
REVISED: July 25, 2023**

Type: Vanair® Reliant™ RC40-L. New and in current production.

Capacity: 30 to 40 CFM free air at up to 175 PSIG.

Compressor: Vanair® aluminum 40 CFM two stage reciprocating air compressor system with discharge check valve to reduce horsepower consumption during unloaded condition.

Input Speed: Air compressor shall produce 40 CFM at 100 PSIG at 1100 RPM input speed.

Hydraulic Motor: Gear type hydraulic motor.

Performance:

CFM	30	30	30	30	40	40	40	40
Air Pressure	100	125	150	175	100	125	150	175
Hyd. Flow (GPM)	8.25	8.25	8.25	9.0	10.0	10.0	10.0	10.0
Hyd. Pres. (PSI)	2300	2450	2575	2600	2300	2470	2550	2600

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

Weight: Dry weight (Lbs.): 245

Dimensions: 33.7L x 21.0W x 24.3H (In.)

Air Intake Filters: Single stage, heavy duty, dry-type air filters shall be provided for air compressor.

Instrument Panel: Analog panel to include compressor air pressure gauge and hour meter.

Protective Circuit: Fuse protected electrical circuit.

Hydraulic Cooler: Hydraulic cooling system shall allow rated air delivery and pressure operation up to 125 °F ambient temperatures. Cooler to be mounted in a powder-coated aluminum sheet metal enclosure with a blower type fan assembly. (No ABS plastic shrouding) Hydraulic cooler to operate continuously to provide hydraulic cooling flow to cooler when compressor is loaded or unloaded.

On/Off Control: Compressor package to contain on/off manifold with solenoid diverter valve to start and stop compressor according to air pressure & hydraulic pressure relief valve to divert hydraulic oil back to reservoir.

Mainframe and Enclosure: Fully powder-coated steel main frame and aluminum sheet metal enclosure with full service access.

General: The compressor shall be manufactured in an ISO 9001 certified quality system

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- Warranty:** The reciprocating air compressor unit shall be warranted for 3 years against defects in materials and workmanship and 1 year in labor. The unit will be replaced or repaired at Vanair's option as a result of such defects. 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 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:**
- Cold Weather Package with Thermal Valve
 - 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) "
 - 24V Converter