



**RELIANT™ RC40 ABOVEDECK
HYDRAULIC DRIVEN
RECIPROCATING AIR COMPRESSOR
BID SPECIFICATION
REVISED: April 11, 2022**

- Type:** Vanair® Reliant™ RC40. New and in current production.
- Capacity:** 30 to 40 CFM free air at up to 175 PSIG.
- Compressor:** Vanair® 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 865 RPM compressor input speed.
- Hydraulic Motor:** Gear type hydraulic motor.
- Hydraulic Requirements:**
- | | | | | | | | | |
|---------------------------|------|------|------|------|------|------|------|------|
| CAPACITY (CFM) | 30 | 30 | 30 | 30 | 40 | 40 | 40 | 40 |
| AIR PRESSURE (PSI) | 100 | 125 | 150 | 175 | 100 | 125 | 150 | 175 |
| HYDRAULIC FLOW (GPM) | 9.5 | 9.5 | 9.5 | 9.5 | 12 | 12 | 12 | 12 |
| HYDRAULIC PRESSURE (PSIG) | 1775 | 1875 | 2100 | 2200 | 1950 | 2070 | 2175 | 2275 |
- Compressor Drive:** Air compressor shall be belt driven with a 3 V-Section belt design.
- Weight:** Dry weight (Lbs.): 408
- Dimensions:** 37L x 21W x 22H (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 galvanized 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 galvanized mainframe and 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. 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 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:**
- 20 - 60 Gallon Air Reservoirs
 - Aftercoolers
 - Air Hoses
 - Air Tools
 - Cold Weather Package to Prevent Freeze-Ups
 - Hose Reels and Fittings
 - OSHA Safety Valve (Velocity Fuse)
 - Service/Control Line Moisture Separators
 - Tool Oiler/Lubricator
 - Service Airline De-Icer
 - 24V Converter