



**VIPER DIESEL 60 - 80 CFM ABOVEDECK
ROTARY SCREW AIR COMPRESSOR
BID SPECIFICATION
REVISED: June 26, 2019**

- Type:** Vanair® Viper D 60-80 CFM rotary screw air compressor. New and in current production.
- Capacity:** 60-80 CFM free air at up to 150 PSIG
- Compressor:** Vanair® encapsulated rotary screw air compressor system. Encapsulated air end has a lifetime warranty. Made in the USA.
- Input Speed:** Air compressor shall produce up to 80 CFM at 3600 input speed.
- Engine:** 3 cylinder diesel engine, Kubota® D902 tier 4 compliant liquid cooled, 24.8 HP
- Battery:** 12V electric start

Performance Chart:

| Model | Capacity (CFM) | Air (PSI) | Engine (RPM) | Engine (HP) | Fuel Capacity (Gal.) |
|-------|----------------|--|--------------|-------------|----------------------|
| D60 | 60 | 150 | 3600 | 24.8 | 9 |
| D70 | 70 | 125 (100 PSI at altitudes of 3500+ Ft.) | 3600 | 24.8 | 9 |
| D80 | 80 | 100 | 3600 | 24.8 | 9 |

Ratings per CAGI/PNEUROP PN2CPTC3

- Compressor Drive:** Air compressor shall be direct drive – no belt.
- Weight:** Dry weight (Lbs.): 735
- Dimensions:** 48L x 21W x 33H (In.)
- Air Intake Filters:** Separate two-stage, heavy duty, dry-type air filters shall be provided for air compressor.
- Air/Fluid Separator:** Vanair separator shall provide for enhanced air quality, reduced operating and maintenance cost and optimized compressor performance.
- Instrument Panel:** Electronic panel with display for compressor air pressure and temperature, engine RPM and temperature, hour meter and fuel gauge. The panel includes automatic starting with glow plug activation and includes shutdown fault display. Panel can be easily remote mounted with an optional extension harness.
- Protective Circuit:** Compressor and engine to provide provisions for automatic shutdown in case of high compressor temperature or over pressurization. Additional protective features provided include automatic blow down valve, pressure relief valve and minimum pressure valve.
- Cooling System:** 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 sheet metal enclosure with a blower type fan assembly (No ABS plastic shrouding). Compressor fluid shall be filtered by a 25 micron full flow spin-on replaceable filter canister. A compressor thermal valve shall be provided to regulate compressor cooling.



VIPER D 60 - 80 CFM DIESEL ENGINE ABOVEDECK ROTARY SCREW AIR COMPRESSOR

| | |
|---------------------------------|---|
| Inlet Controls: | Engine speed control and compressor inlet control valve shall be integrated into compressor system and automatically modulate output from 0 to 100% in response to air demand |
| Mainframe and Enclosure: | Fully powder-coated galvanized mainframe and sheet metal enclosure with full service access. |
| Warranty: | The air end is warranted for life with adherence 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 12 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: | Service/Control Line Moisture Separators Filter/Lubricator/Regulator (FLR) Air Hoses, Hose Reels and Fittings OSHA Safety Valve (Velocity Fuse) Tool Oiler/Lubricator Cold Weather Package to Prevent Freeze-Ups Remote Instrument Panel Air Aftercooler Remote Fuel Tank Options Maintenance Kits |