



**POWERFLEX™ AE GAS DRIVEN
ROTARY SCREW
AIR COMPRESSOR/GENERATOR
BID SPECIFICATION
REVISED: June 18, 2020**

| | |
|-----------------------------|---|
| Type: | Vanair® PowerFlex™ AE Gas. New and in current production. |
| Compressor: | Vanair® encapsulated 40 CFM rotary screw air compressor system with clutch to eliminate horsepower consumption during unloaded condition. Automatic throttle control with air demand. |
| Compressor Capacity: | 40 CFM free air at up to 175 PSIG. |
| Air Intake Filter: | Separate, 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. |
| Protective Circuit: | Compressor to automatically shutdown in case of high compressor temperature or over pressurization. Additional protective features provided include automatic blow down valve, compressor relief valve, air receiver relief valve and minimum pressure valve. |
| Cooling System: | Compressor cooling system shall allow rated air delivery and pressure operation continuously in 110 °F ambient temperatures. Cooler to be mounted in a powder coated galvanneal sheet metal enclosure with a suction type fan assembly. Compressor fluid shall be filtered by a 25 micron full flow spin-on replaceable filter canister. A fan temperature switch is included to regulate compressor cooling. An additional fan temperature switch is included to regulate enclosure cooling. |
| Inlet Controls: | Electric inlet control valve shall be integrated into compressor system and automatically modulate output from 0 to 100% in response to air demand. |
| Generator: | Totally brushless with capacitor, copper windings, bi-directional rotation, <6% distortion. |
| Generator Capacity: | 6.8 kW continuous, 60 Hz, single phase, 120V/240V |
| Engine: | V-twin fuel injected, electric start gasoline engine, Kohler® model Command PRO ECH749, air cooled, 26.5 HP per SAE J1940 specification, automatic electronic throttle control. |
| Fuel Capacity: | 12 gallon integral tank or plumb to the chassis. |
| Air Storage Tank: | 4 gallon integrated. |
| Weight: | Dry weight (Lbs.): 675 with fuel tank 630 without fuel tank |
| Dimensions: | 47.6L x 21.0W x 31.0H (In.) |
| Instrument Panel: | Panel to be capable of being remotely mounted with use of optional factory supplied harness. Panel to include engine start/stop function, engine fault lights, fuel gauge, hour meter, air compressor on/off switch and generator on/off switch. |

Vanair® Manufacturing Inc. | 10896 West 300 North, Michigan City, IN 46360
800.526.8817 | sales@vanair.com | www.vanair.com

*specs subject to change without notice © 2020 Vanair Manufacturing Inc.
06/18/2020



POWERFLEX™ AE GAS DRIVEN ROTARY SCREW AIR COMPRESSOR/GENERATOR

| | |
|-------------------------|---|
| Drive System: | Heavy duty belt-drive system. Belt to drive the generators, to be poly-V serpentine belt. Belt for compressor to be poly-V serpentine belt. |
| Metal and Tanks: | Fully powder-coated with galvanneal sheet metal enclosure, ¼" plate steel main frame, integrated lift hook and full service access. |
| Warranty: | When following the prescribed maintenance schedule, the rotary screw compressor unit has a lifetime warranty by Vanair®, generator is warranted for three (3) years. (NOTE: Engines are warranted separately by the engine manufacturer.) |
| Service Centers: | Manufacturer MUST have factory authorized service centers located in each state of the United States of America and Canadian provinces. |
| Cold Weather: | Optional 12V heater blankets for compressor inlet valve, engine oil pan, compressor sump. |
| Options: | Remote Control Panel Maintenance Kits Air Hoses, Hose Reels and Fittings OSHA Safety Valve (Velocity Fuse) Filter/Lubricator/Regulator (FLR) Air Reservoirs Service/Control Line Moisture Separators Tool Oiler/Lubricator Air Aftercooler Cold Weather GFCI Kit Remote Condensation Drain |