



VMAC G30 Gas Engine Driven Air Compressor – Bid Specifications

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All specifications are subject to change without notice.

AIR COMPRESSOR

30 CFM Gas Engine Driven Standalone Above Deck Mounted Rotary Screw

30 CFM and 150 PSI rotary screw air compressor system mounted above deck on a truck chassis or skid. Air compressor output will be measured to ASME standards.

Compressor Air End:

The air compressor must be an oil-injected rotary screw and must provide 100% duty cycle with continuous air flow of 30 CFM at 100 PSI, with a maximum of 150 PSI. The compressor must be tested to ASME standards for air output. The compressor must be driven by an auto-tensioned serpentine belt and contain no gear case and no clutch. A thermal protection circuit must be integrated on the compressor.

Air Oil Separator Tank/Cooler:

The air oil separator tank/cooler must act as an oil/air separator and air/oil cooler. Material must be of high-grade aluminum and contain an integrated coalescing oil separator element. It must have a lubricant sight glass no smaller than 1 1/2" in diameter. It must have a replaceable spin on 25-micron oil filter with safety bypass feature. It must contain an integral pneumatically piloted blow down valve and 12V activated fan. The tank dimension must be no larger than 8" W x 17.5" H x 19.75" L and the weight must be no greater than 30 lbs.

Throttle Control:

The automatic pneumatic throttle control must be controlled by system pressure and idle the engine down when the air system reaches full air pressure and idle the engine up with air demand.

Engine:

The air compressor will be powered by a 11.7 Net HP US CARB and EPA compliant gas driven engine with an overhead valve design for increased efficiency and optimal power transfer. The engine must have electric start with an upgraded 200W charging system. A manual choke lever, hour meter, and key switch must be included. At full load, the engine RPM must not exceed 3,500. The engine fuel tank must provide a minimum capacity of 1.6 gallons.



Safety Features:

Safety features must include a compressor thermal protection circuit, automatic rapid blow-down valve on the tank, and a 200 PSI pressure relief valve.

Package:

The overall package size will be no greater than 21.4" (w) x 33.5" (l) x 23.9" (h). Total dry weight will not exceed 205lbs.

Optional Integrated Accessories:

12-Gallon Low Profile Air Receiver Tank

The triple 4-gallon air receiver tanks provide a total of 12-gallons of air storage. Tanks will add no more than 10" to total package height, and no more than 90lbs to total package weight.

Remote Control Panel

The remote control panel provides a mounting plate that holds a key switch, an hour meter, and an extended choke cable so the panel can be mounted up to 10 feet away from the compressor.

Remote Engine Oil Drain

The remote engine oil drain includes a length of hose that extends the engine oil drain away from the compressor.

Cold Climate Kit

The cold climate heater package assists in starting the compressor in freezing climates; the package will assist in starting the compressor at temperatures as low as -30°C (-22°F); (2) 120 V AC Heaters will be provided; requiring 600 W total power.

600W Power Inverter

The 600W, 12 V power inverter will power the compressor cold climate kit.