



**VIPER GAS 60 - 80 CFM ABOVEDECK
ROTARY SCREW AIR COMPRESSOR**
BID SPECIFICATION
REVISED: April 17, 2019

Type: Vanair® Viper G 60-80 CFM rotary screw air compressor. New and in current production.

Capacity: 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: Two-cylinder gasoline engine, Kohler® model ECH 730 or ECH 749 EFI, air-cooled, fuel injected with overhead valve, 26.5 HP.

Battery: 12V electric start

Fuel Capacity: Five gallons

Performance Chart:

Model	Capacity (CFM)	Air (PSI)	Full Load Engine Speed (RPM)	Engine (HP)
G60	60	150	3600	26.5
G70	70	100	3600	26.5
G80	80	100	3600	26.5

Ratings per CAGI/PNEUROP PN2CPTC3

Compressor Drive: Air compressor shall be belt driven with a serpentine type belt.

Weight: Dry weight (Lbs.): 473

Dimensions: 45.0L x 23.5W x 29.8H (In.)

Air Intake Filter: Separate two-stage, 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 costs and optimized compressor performance.

Instrument Panel: Panel to include compressor air pressure gauge, temperature gauge, hour meter and engine diagnostic lamp. Cold start switch unloads compressor to reduce load on engine for easier start-up in cold weather.

Speed Control: Pneumatic speed control for sensing air demand to reduce horsepower and fuel consumption.

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Protective Circuit	Compressor to include automatic shutdown in case of high compressor temperature and high pressure, high engine oil temperature and low engine oil pressure. Additional protective features provided include automatic blowdown valve, pressure relief valve, auto-reset circuit breaker and shut-down door switch.
Cooling System:	Compressor cooling system shall allow rated air delivery and pressure operation continuously at 120 °F ambient temperature. Compressor fluid shall be filtered by a 25-micron full flow, spin-on, replaceable filter canister.
Inlet Controls:	Pneumatic 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 mainframe and galvanneal sheet metal enclosure with overhead 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:	Remote Start/Stop Dual Pressure Cold Weather Package Service/Control Line Moisture Separators Filter/Lubricator/Regulator (FLR) OSHA Safety Valve (Velocity Fuse) Air Hoses, Hose Reels and Fittings Tool Oiler/Lubricator Trailer CARB Canister Maintenance Kits