



**VIPER GAS 60 - 80 CFM ABOVEDECK  
ROTARY SCREW AIR COMPRESSOR**  
BID SPECIFICATION  
REVISED: March 17, 2022

Type:	Vanair® Viper G 60-80 CFM rotary screw air compressor. New and in current production.																				
Capacity:	80 CFM free air, up to 150 PSIG																				
Compressor:	Vanair® encapsulated rotary screw air compressor system. Encapsulated air end has a lifetime warranty. Made in the USA.																				
Speed:	Air compressor shall produce up to 80 CFM at 3600 engine output speed.																				
Engine:	Two-cylinder gasoline engine, Honda® IGX800 EFI 25HP, air-cooled, fuel injected with overhead valve.																				
Battery:	Electric start																				
Fuel Capacity:	Ten gallons																				
Performance Chart:	<table><tr><th>Model</th><th>Capacity (CFM)</th><th>Air (PSI)</th><th>Full Load Engine Speed (RPM)</th><th>Engine (HP)</th></tr><tr><td>G60</td><td>60</td><td>150</td><td>3600</td><td>25</td></tr><tr><td>G70</td><td>70</td><td>125</td><td>3600</td><td>25</td></tr><tr><td>G80</td><td>80</td><td>100</td><td>3600</td><td>25</td></tr></table> <p>Ratings per CAGI/PNEUROP PN2CPTC3</p>	Model	Capacity (CFM)	Air (PSI)	Full Load Engine Speed (RPM)	Engine (HP)	G60	60	150	3600	25	G70	70	125	3600	25	G80	80	100	3600	25
Model	Capacity (CFM)	Air (PSI)	Full Load Engine Speed (RPM)	Engine (HP)																	
G60	60	150	3600	25																	
G70	70	125	3600	25																	
G80	80	100	3600	25																	
Compressor Drive:	Air compressor shall be belt driven with a serpentine type belt.																				
Weight:	Dry weight (Lbs.): 440																				
Dimensions:	39L x 21W x 30H (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 indicator, hour meter and engine diagnostic lamp.																				
Speed Control:	Electronic speed control for sensing air demand to reduce horsepower and fuel consumption.																				

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<b>Protective Circuit:</b>	Compressor to include automatic shutdown in case of high compressor temperature and high pressure, or low engine oil pressure. Additional protective features provided include automatic blowdown valve, and pressure relief valve.
<b>Cooling System:</b>	Compressor cooling system shall allow rated air delivery and pressure operation continuously at 104°F ambient temperature @ 100% Duty Cycle, 120°F ambient temperature @ 90% Duty Cycle, and 130°F ambient temperature @ 70% Duty Cycle. Compressor fluid shall be filtered by a 25-micron full flow, spin-on, replaceable filter canister.
<b>Inlet Controls:</b>	Electronic inlet control valve shall be integrated into compressor system and automatically modulate output from 0 to 100% in response to air demand.
<b>Mainframe and Enclosure:</b>	Fully powder-coated mainframe and galvalume sheet metal enclosure.
<b>Warranty:</b>	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.
<b>Service Centers:</b>	The air compressor manufacturer must have factory authorized service centers located in each state of the United States of America and Canadian provinces.
<b>Options:</b>	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