

V3[™] | MULTI-DRIVE SYSTEM[™]



Three Types of Power ... One PTO

The V3[™] Multi-Drive System[™] combines Vanair's patented Genair[®] system, which consists of a 125 - 185* CFM air compressor and a 6.6 kW and 9.6 kW weatherproof AC generator with a SAE E pad provision in a single integrated unit. Totally contained underdeck within the truck's rails, the V3[™] replaces the need for separate engine driven air compressors, generators, power inverters, or separate hydraulic pumps. This breakthrough technology provides access to air, ac power and hydraulics through a single PTO opening and is available with the Vanguard Lifetime Warranty on the air end.

SPECIFICATIONS

AIR COMPRESSOR				
Capacity CFM	Air psi	Air Compressor Input	Air Compressor Oil Capacity	Mounted Weight (Dry)
125	100 - 150	1535 rpm	3.5 gal.	550 lbs.
160	100 - 150	1880 rpm or 2160 rpm	3.5 gal.	550 lbs.
185*	100 - 150	2160 rpm	3.5 gal.	550-575 lbs.

*Kit includes additional cooler.

WEATHERPROOF GENERATOR (TEFC)			
Output (continuous)	6.6 kW	and	9.6 kW
Weight	72 lbs.		92 lbs.
Height	10.5"		12"
Width	8.0"		9.0"
Length	14.25"		16.25"
Voltage	120 or 120/240		120 or 120/240
Phase	Single Phase		Single Phase
Speed	3600 RPM		3600 RPM

SAE B PAD PROVISION (pump sold separately)	
Up to 40 gpm	



VANAIR[®]
MOBILE POWER SOLUTIONS[™]

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SPECIAL FEATURES

Air Compressor

- Sullair® air end
- Lifetime warranty on air end
- 100,000 hours design life
- 100% Duty cycle
- Greater efficiency for lower engine RPM's
- Integrated inlet valve and rear discharge provides higher ground clearance
- Made in USA

Generator

- Totally enclosed fan cooled sealed generator or standard generator available
- No brushes for maintenance-free operation
- 6.6 kW to 9.6 kW producing 120 or 120/240V at a constant 60 Hz
- Ground fault circuits and outlet panels available to meet your needs

Discharge System

- Intank coalescer system provides greater surface area for increased oil separation
- Coalescer is protected from the elements, eliminating the possibility of rust or damage from external source
- Exclusive anti-static coalescing element for greater safety
- Uses only 3.0 gallons of oil vs. 5.5 gallons compared to competitor's tanks
- Less prescribed maintenance and waste oil recovery costs
- Less than 2 ppm oil carryover
- Pressure rated to 250 psig
- 5 year warranty or 3000 hours for replacement on coalescer element only
- Smaller tank design makes installation easier
- Streamlined fittings on the end of tank
- ASME and CRN certified

Instrumentation

V-TEC Vanair LCD Total Electronic Remote Panel System

Total Diagnostic Monitoring Display Includes:

- Remote engine speed control
- Built-in safety features
- Complete startup & shutdown capabilities
- Oil temperature & air pressure system checks
- Troubleshooting & maintenance display assistance & alerts

Cooler(s)

- Capable of cooling up to 185 cfm at 100 psi
- Air to oil heat exchanger driven by 12V fan

Air Filter

- ABS plastic housing
- Dual stage

SAE B Pad

- Up to 40 GPM
- Ford and Allison styles available

Vanguard Rotary Screw Compressor Oil

- Full synthetic oil exclusively created for rotary screw compressors
- Flash point: 257° C/495° F
- Pour Point: -45°C / -50° F
- Outstanding thermal and oxidative stability
- Reduced oil disposal due to extended drain intervals

Safety Equipment

- High-temperature shutdown
- High-pressure shutdown
- Air pressure-relief safety valve
- Minimum pressure valve
- Automatic blowdown on shutdown
- Oil fill plug safety relief

OPTIONS/ACCESSORIES

- External, spin-on air-oil separating element
- Dual pressure
- Service/control line moisture separators
- Filter/lubricator/regulator (FLR)
- Air hoses, hose reels, and fittings
- OSHA safety valve (velocity fuse)
- Sullair® air tools
- Tool oiler/lubricator
- Post drivers
- Biodegradable Vanguard Green synthetic oil

DIMENSIONS – (without fittings)

Compressor (in.) – 18 L x 11.9 W x 13 H

Air/fluid receiver (in.) – 21.5 L x 10.25 D

Remote air to oil cooler (in.) – 9.25 L x 26.5 W x 19.25 H

6.6 kW Generator (in.) – 10 L x 8 W x 14.25 H

9.6 kW Generator (in.) – 10 L x 9 W x 16.25 H

Gear box – 10.06 L x 10 W x 14.75 H

US Patented

Product improvement is a continuing goal. Design and specifications are subject to change without notice or obligations.



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