



FORD SUPER DUTY 350/450/550 XCITE™
HYDRAULIC DRIVEN
UNDERDECK GENERATOR
BID SPECIFICATION
REVISED: April 30, 2019

- Type:** Vanair® hydraulic driven underdeck generators. New and in current production.
- Generator Capacity:** 120V AC or 120V/240V AC are available. Generators operate on a 60 or 50 Hz (select models) frequency with single phase and 2 poles. Generator input speed is 3600 RPM and is achieved through proper PTO gear ratios and engine RPM via the hydraulic pump.
- Classification:** All Vanair® generator units shall be Class “H” Insulation; IP 23 rated UL Certification 1446, CSA Certification 22.2 and CE Certification. Generator windings are coated with a corrosion resistant varnish.
- Generator Dimensions:** The Vanair® generator has the following dimensions:
 4.0 kW 10H x 8W x 23L (In.)
 7.5 kW 10H x 8W x 28L (In.)
 8.5 kW 10H x 8W x 28L (In.)
- Performance Chart:**
- | MODEL | POWER REQUIREMENT | VOLTAGE | PHASE | AMPS | SPEED (RPM) | WEIGHT (Lbs.) |
|--------|---------------------|----------------|--------|-------|-------------|---------------|
| 4 kW | 8.5 GPM @ 1800 PSI | 120 or 120/240 | Single | 33/16 | 3600 | 78 |
| 7.5 kW | 14.5 GPM @ 1800 PSI | 120 or 120/240 | Single | 62/31 | 3600 | 105 |
| 8.5 kW | 16 GPM @ 1800 PSI | 120 or 120/240 | Single | 72/36 | 3600 | 114 |
- System Regulation:** All Vanair® generators use an AVR (Automatic Voltage Regulator). The AVR features include very stable voltage, adjustable voltage regulation.
- Mounting Locations:** Depending on the make and model of truck, the generator will mount inboard of the frame rail. The generator will be rigid mounted using bracket. Generator can also mount above deck in specified ventilated compartment.
- Warranty:** All Vanair® generators are warranted for a period of 1 year against manufacturing defects when installed in accordance with Vanair recommendations. This warranty does not cover damage caused by incorrect installation, accident, misuse, or negligence.
- Installation:** Systems must be installed by a factory authorized installation center.
- Options:** Digital Display
 Rubber Shock Mounts for Vibration
 Generator Harness
 Breaker Panel - 4.0L x 11.25W x 13.25H (In.)