



DIESEL MODELS 250kW, 275kW, 300kW



Katolight generators are available in a variety of sizes to meet the energy needs of the smallest homes to the largest facilities. You can rely on the environmentally friendly, clean, quiet stand-by power of our generators in emergency situations, day or night — and that means security and peace of mind for you.

Our generators are specially designed to ensure the lowest possible harmonic distortion, making them ideal for delivering quality power to hospitals, retail facilities, offices and many other locations.



Katolight Generators...

POWER SOLUTIONS FOR THE RIGHT MOMENT

ENGINE FEATURES

- ◆ Radiator Cooled
- ◆ Starter and alternator
- ◆ Oil pump and filter
- ◆ Air cleaner
- ◆ JDEC governor

- Frequency
- ◆ Continuous displays:
 - Oil pressure
 - Engine temperature
 - Battery voltage
 - Low fuel level

- ◆ Battery: 24 volt with rack
- ◆ Battery charger: 24 volt 3 amp
- ◆ Battery cables
- ◆ Vibration isolation pads
- ◆ Jacket water heater: -20°F
- ◆ Mainline circuit breaker
- ◆ Muffler

DIGITAL CONTROLLER FEATURES

- ◆ Microprocessor based, digital read-out control system
- ◆ Unit-mounted
- ◆ Engine vitals monitored by LCD display:
 - Oil pressure
 - Running time
 - Engine temperature
 - Safety shutdowns:
 - HWT, OC, OS, OP, LWL
 - Battery voltage
 - Generator AC voltage
 - AC amperage

GENERATOR FEATURES

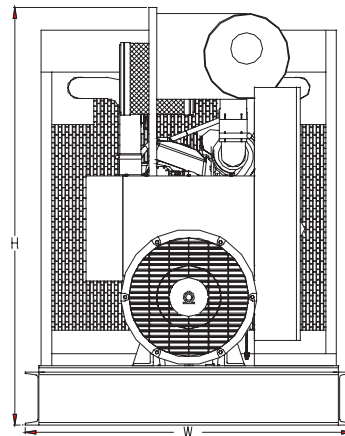
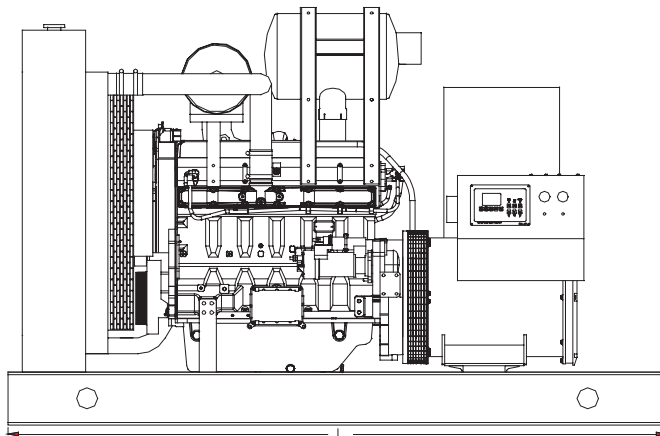
- ◆ Brushless single bearing
- ◆ Automatic voltage regulator:
 - Over-excitation protection
 - Under-frequency compensation
- ◆ Available voltages:
 - 120/240 1 Ø 12 wire
 - 120/208 3 Ø 12 wire
 - 120/240 3 Ø 12 wire
 - 277/480 3 Ø 12 wire

ADDITIONAL FEATURES

- ◆ Oil drain extension
- ◆ Flexible fuel connector

OPTIONAL FEATURES

- ◆ Sub-base fuel tank with electrical step-up area
- ◆ Weatherproof or Crystal Quiet enclosure
- ◆ PMG
- ◆ Sound attenuation
 - 1 1/2" foam
 - Sound scoops
- ◆ Remote annunciator
- ◆ UL2200 Listed





DIESEL MODELS

| ENGINE TECHNICAL DATA | 250 kW | | 275 kW | | 300 kW | |
|---|-------------------------|-------------|-------------------------|-------------|-------------------------|-------------|
| Model: | 6125AF | | 6125AF | | 6125HF | |
| Type: | 4-Cycle | | 4-Cycle | | 4-Cycle | |
| Aspiration: | Turbocharged | | Turbocharged | | Turbocharged | |
| Cylinder Arrangement: | 6 Inline | | 6 Inline | | 6 Inline | |
| Displacement : cu. in. (lit) | 766 (12.5) | | 766 (12.5) | | 766 (12.5) | |
| Bore x Stroke: in. (cm) | 5.0 (12.7) x 6.5 (16.5) | | 5.0 (12.7) x 6.5 (16.5) | | 5.0 (12.7) x 6.5 (16.5) | |
| Compression Ratio: | 16:1 | | 16:1 | | 16:1 | |
| Rated RPM: | 1800 | | 1800 | | 1800 | |
| BMEP: psi (kPA) | 231 (1,594) | | 254 (1,753) | | 277 (1,910) | |
| Maximum Power @ Rated RPM:hp (kW) | 402 (300) | | 442 (330) | | 483 (360) | |
| INSTALLATION DATA <i>OPU = Open Power Unit EPU = Enclosed Power Unit</i> | | | | | | |
| Dimensions & Weights | OPU | EPU | OPU | EPU | OPU | EPU |
| Length: in. (cm) | 125 (318) | 125 (318) | 125 (318) | 125 (318) | 125 (318) | 125 (318) |
| Width: in. (cm) | 62 (158) | 62 (158) | 62 (158) | 62 (158) | 62 (158) | 62 (158) |
| Height : in. (cm) | 79 (201) | 93 (237) | 79 (201) | 93 (237) | 79 (201) | 93 (237) |
| Height with tank: in. (cm) | 115 (293) | 129 (328) | 115 (293) | 129 (328) | 115 (293) | 129 (328) |
| Weight (less tank): lb (kg) | 6825 (3096) | 7725 (3504) | 6825 (3096) | 7725 (3504) | 6850 (3107) | 7750 (3515) |
| Liquid Capacity | | | | | | |
| Total Oil System: Gal (lit) | 11 (42) | | 11 (42) | | 11 (42) | |
| Engine Jacket Water: Gal (lit) | 4.8 (18.2) | | 4.8 (18.2) | | 4.3 (16.3) | |
| System Coolant Capacity: Gal (lit) | 36.6 (138) | | 36.6 (138.5) | | 18.1 (68.5) | |
| Electrical System | | | | | | |
| Electric Volts DC | 24V | | 24V | | 24V | |
| Cold Cranking Amps Under 0°F (-17.8°C) | 900 | | 900 | | 900 | |
| Exhaust System | | | | | | |
| Gas Temp (Stack) °F (°C) | 779 (415) | | 806 (430) | | 743 (395) | |
| Gas Volume @ Stack Temp. cfm (m ³ / min) | 2,062 (58.4) | | 2,250 (63.7) | | 2,295 (65) | |
| Maximum allowable Back Pressure: in H ₂ O (kPa) | 30 (7.5) | | 30 (7.5) | | 30 (7.5) | |
| Emissions-NOX: g/hp-hr | 6.47 | | 6.49 | | 4.26 | |
| Emissions-CO: g/hp-hr | 0.17 | | 0.19 | | 0.78 | |
| Emissions-HC: g/hp-hr | 0.13 | | 0.14 | | 0.26 | |
| Emissions-PM: g/hp-hr | 0.04 | | 0.04 | | 0.11 | |
| Cooling System | | | | | | |
| Ambient Capacity of Radiator: °F (°C) | 118 (48) | | 118 (48) | | 118 (48) | |
| Water Pump Capacity: gpm (lit/min) | 73 (276) | | 73 (276) | | 73 (276) | |
| Heat Rejection to Coolant: BTUM (kW) | 10,010 (176) | | 11,260 (198) | | 7,654 (135) | |
| Air Requirements | | | | | | |
| Aspiring cfm (m ³ /min) | 911 (25.8) | | 987 (27.8) | | 1,024 (29) | |
| Air Flow Requirements for Rad. Cooled Unit: cfm (m ³ /min) | 17,000 (481) | | 17,000 (481) | | 13,000 (368) | |
| Fuel Consumption: Gal/Hr (Lit/Hr) | | | | | | |
| At 100% of Power Rating: | 17.6 (66.6) | | 19.3 (73.1) | | 20.3 (76.8) | |
| At 75% of Power Rating: | 13.7 (51.9) | | 14.7 (55.6) | | 15.6 (59.) | |
| At 50% of Power Rating: | 10.1 (38.2) | | 10.7 (40.5) | | 11.2 (42.4) | |
| Sound Level Data | | | | | | |
| Sound Level at Full Load (dBA) | | | | | | |
| 23 ft (7m) Enclosed with 1.5" foam | 82 | | 83 | | 84 | |
| 23 ft (7m) Enclosed, 1.5" foam & scoops | 80 | | 80 | | 81 | |
| Sound Level at No Load (dBA) | | | | | | |
| 23 ft (7m) Enclosed with 1.5" foam | 81 | | 82 | | 83 | |
| 23 ft (7m) Enclosed, 1.5" foam & scoops | 79 | | 80 | | 81 | |
| Derate/Altitude | | | | | | |
| 5% per 1,000 ft above | 9,000 ft | | 9,000 ft | | 9,000 ft | |
| 5% per 305 m above | 2,743 m | | 2,743 m | | 2,743 m | |
| Temperature | | | | | | |
| .5% per 10°F above | 77°F | | 77°F | | 77°F | |
| .5% per 5.5°C above | 25°C | | 25°C | | 25°C | |