



DCA150SSCU

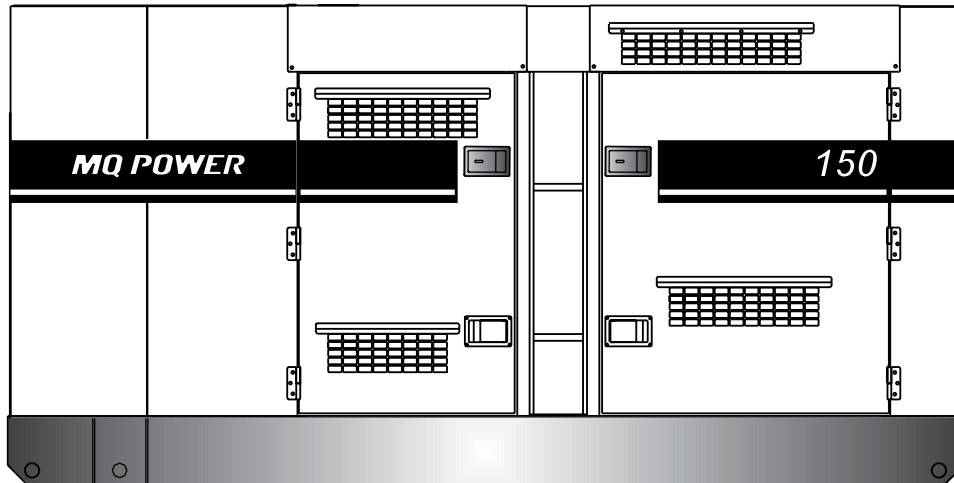
MQ POWER Whisperwatt™ Series

WhisperWatt™ 150

Prime Rating — 120 kW (150 kVA)

Standby Rating — 132 kW (165 kVA)

3-Phase, 60 Hertz, 0.8 PF



STANDARD FEATURES

- Heavy duty, 4-cycle, direct injection, turbocharged, air to air intercooled diesel engine provides maximum reliability.
- Brushless alternator reduces service and maintenance requirements and meets temperature rise standards for Class F insulation systems.
 - Open delta alternator design provides virtually unlimited excitation for maximum motor starting capability.
 - Automatic voltage regulator (AVR) provides precise regulation.
- Electronic governor system maintains frequency to $\pm 0.25\%$.
- Full load acceptance of standby nameplate rating in one step (NFPA 110, para 5-13.2.6).
- Sound attenuated, weather resistant, steel housing provides operation at 74 dB(A) at 23 feet. Fully lockable enclosure allows safe unattended operation.
- Internal fuel tank with direct reading fuel gauges are standard.
- Seven stage powder coat paint provides durability and weather protection.
- Jacket Water Heater (750 watts) for easy starting in cold weather climates (above 0° C).
- Digital engine gauges including oil pressure, water temperature, battery volts, engine speed, and fuel level.
- Analog generator instrumentation including AC ammeter, AC voltmeter, frequency meter, ammeter phase selector switch, voltmeter phase selector switch, and voltage regulator adjustment potentiometer.
- ECU830 microprocessor-based digital generator controller.
 - Remote 2-wire start/stop control.
 - Operational temperature range of -40° to 85° C.
 - High visibility LCD display with heated screen and alphanumeric readout.
 - 50/60 Hz engine speed selection; engine is EPA dual-speed rated.
 - Modbus interface for gauge panel and expansion options.
 - DPF cleaning cycle indication.
- Automatic safety shutdown system monitors the water temperature, engine oil pressure, low coolant, overspeed, and overcrank. Warning lights indicate abnormal conditions.
- Complete power panel. Fully covered; three-phase terminals and single phase receptacles allow fast and convenient hookup for most applications including temporary power boxes, tools and lighting equipment. All are NEMA standard.
- Fuel/water separator. Removes condensation from fuel for extended engine life.
- EPA emissions certified - Tier 4i emissions compliant.
 - Engine fitted with DOC and DPF.



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SPECIFICATIONS

| Generator Specifications | | |
|---|---|---------|
| Design | Revolving field, self-ventilated Drip-proof, single bearing | |
| Armature Connection | Star with Neutral | Zig Zag |
| Phase | 3 | Single |
| Standby Output | 132 KW (165 KVA) | 95 KW |
| Prime Output | 120 KW (150 KVA) | 87 KW |
| 3Ø Voltage (L-L/L-N) Voltage Selector Switch at 3Ø 240/139 | 208Y/120, 220Y/127, 240Y/139 | N/A |
| 3Ø Voltage (L-L/L-N) Voltage Selector Switch at 3Ø 480/277 | 416Y/240, 440Y/254, 480Y/277 | N/A |
| 1Ø Voltage (L-L/L-N) (Voltage Selector Switch at 1Ø 240/120) | N/A | 240/120 |
| Power Factor | 0.8 | 1.0 |
| Voltage Regulation (No load to full load) | ±0.5% | |
| Generator RPM | 1800 | |
| Frequency | 60 Hz | |
| No. of Poles | 4 | |
| Excitation | Brushless with AVR | |
| Frequency Regulation: No Load to Full Load | Isochronous under varying loads from no load to 100% rated load | |
| Frequency Regulation: Steady State | ±0.25% of mean value for constant loads from no load to full load. | |
| Insulation | Class F | |
| Sound Level dB(A) Full load at 23 feet | 74 | |

| Engine Specifications | |
|---------------------------|--|
| Make / Model | Cummins / QSB7-G7 |
| Emissions | EPA Interim Tier 4 Certified |
| Starting System | Electric |
| Design | 4-cycle, water cooled, direct injection, turbocharged. Charged Air Cooled and EGR. |
| Displacement | 409 in ³ (6.7 liters) |
| No. cylinders | 6 |
| Bore x Stroke | 4.21 x 4.88 in. (107 x 124 mm) |
| Gross Engine Power Output | 256 hp (191 kW) |
| BMEP | 250 psi (1724 kPa) |
| Piston Speed | 1464 ft/min (7.4 m/s) |
| Compression Ratio | 17.3:1 |
| Engine Speed | 1800 rpm |
| Overspeed Limit | 2070 rpm |
| Oil Capacity | 4.6 gallons (17.5 liters) |
| Battery | 12V 100Ah x 2 (24 V Systems) |

| Fuel System | | |
|--------------------------------|---------------------------|------------|
| Recommended Fuel | ASTM-D975-No.1 & No.2-D* | |
| Maximum Fuel Flow (per hour) | 35.4 gallons (134 liters) | |
| Maximum Inlet Restriction (Hg) | 4.0 in (100 mm) | |
| Fuel Tank Capacity | 100 gallons (380 liters) | |
| Fuel Consumption | gph | lph |
| At full load | 8.8 | 33.2 |
| At 3/4 load | 7.0 | 26.4 |
| At 1/2 load | 5.3 | 20.0 |
| At 1/4 load | 3.6 | 13.7 |

* - Use ultra-low sulfur diesel fuel.

| Cooling System | |
|--|--------------------------|
| Fan Load | 13 hp (9.7 kW) |
| Coolant Capacity (with radiator) | 11.4 gallons (43 liters) |
| Coolant Flow Rate (per minute) | 47 gallons (178 liters) |
| Heat Rejection to Coolant (per minute) | 6279 Btu (6.62 MJ) |
| Maximum Coolant Friction Head | 5 psi (34.5 kPa) |
| Maximum Coolant Static Head | 60 feet (18.3 meters) |
| Ambient Temperature Rating | 104°F (40°C) |

| Air | |
|---------------------------------|-------------------------------------|
| Combustion Air | 352 cfm (9.96 m ³ /min) |
| Maximum Air Cleaner Restriction | 25 in. H ₂ O (6.25 kPa) |
| Alternator Cooling Air | 1352 cfm (38.3 m ³ /min) |
| Radiator Cooling Air | 12325 cfm (349 m ³ /min) |

| Exhaust System | |
|-----------------------|------------------------------------|
| Gas Flow (full load) | 862 cfm (24.4 m ³ /min) |
| Gas Temperature | 950°F (510°C) |
| Maximum Back Pressure | 64.3 in. H ₂ O (16 kPa) |

| Amperage | |
|---|--|
| Rated Voltage | Maximum Amps |
| 1Ø 120 Volt | 333.3 Amps (4 wire) 361 Amps x 2 (Zigzag) |
| 1Ø 240 Volt | 166.7 Amps (4 wire) 361 Amps (Zigzag) |
| 3Ø 240 Volt | 361 Amps |
| 3Ø 480 Volt | 180 Amps |
| Main Line Circuit Breaker Rating | 400 Amps |
| Over Current Relay Trip Set Point 480V Mode Only | 180 Amps |

WARRANTY*

Cummins Engine

12 months from date of purchase with unlimited hours.

Generator

24 months from date of purchase or 2000 hours (whichever occurs first).

Trailer

12 months excluding normal wear items.

*Refer to the express written, one-year limited warranty sheet for additional information.

NOTICE

Generator is not intended for use in enclosed areas or where free flow of air is restricted.

Backfeed to a utility system can cause electrocution and/or property damage. Do not connect to any building's electrical system except through an approved device.

Specifications are subject to change without notice.



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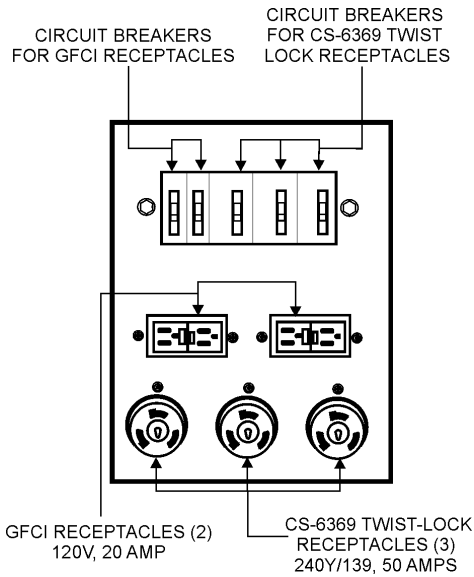
MQ POWER DECIBEL LEVELS

Our soundproof housing allows substantially lower operating noise levels than competitive designs. WhisperWatts are at home on construction sites, in residential neighborhoods, and at hospitals — just about anywhere.

- 90 — Subway / truck traffic
- 80 — Average city traffic
- 74 — WhisperWatt at 23 feet
- 70 — Inside car at 60 mph
- 60 — Air conditioner at 20 feet
- 50 — Normal conversation



GENERATOR OUTPUT PANEL



OPTIONAL GENERATOR FEATURES

- **Battery charger** — provides fully automatic and self-adjusting charging to the generator's battery system.
- **Jacket water heater** — for easy starting in cold weather climates below 0° (1500 watts).
- **Special batteries** — long life batteries provide extra engine cranking power.
- **Trailer mounted package** — highway legal trailer with electric or surge-hydraulic brakes on all axles. Extra capacity fuel tanks are also available.

OPTIONAL CONTROL FEATURES

- **Audible alarm** alerts operator of abnormal conditions.
- **Emergency stop switch**

OPTIONAL FUEL CELL FEATURES

- **Trailer Fuel Tank** — a second fuel cell located in the trailer allows for extended run time.
- **Sub-base fuel cells (double wall)** — additional fuel cell for extended runtime operation. Contains a leak sensor, low fuel level switch, and a secondary containment tank. UL142 listed.
- 12 hours of minimum run time.
- 24 hours of minimum run time.

OPTIONAL OUTPUT CONNECTIONS

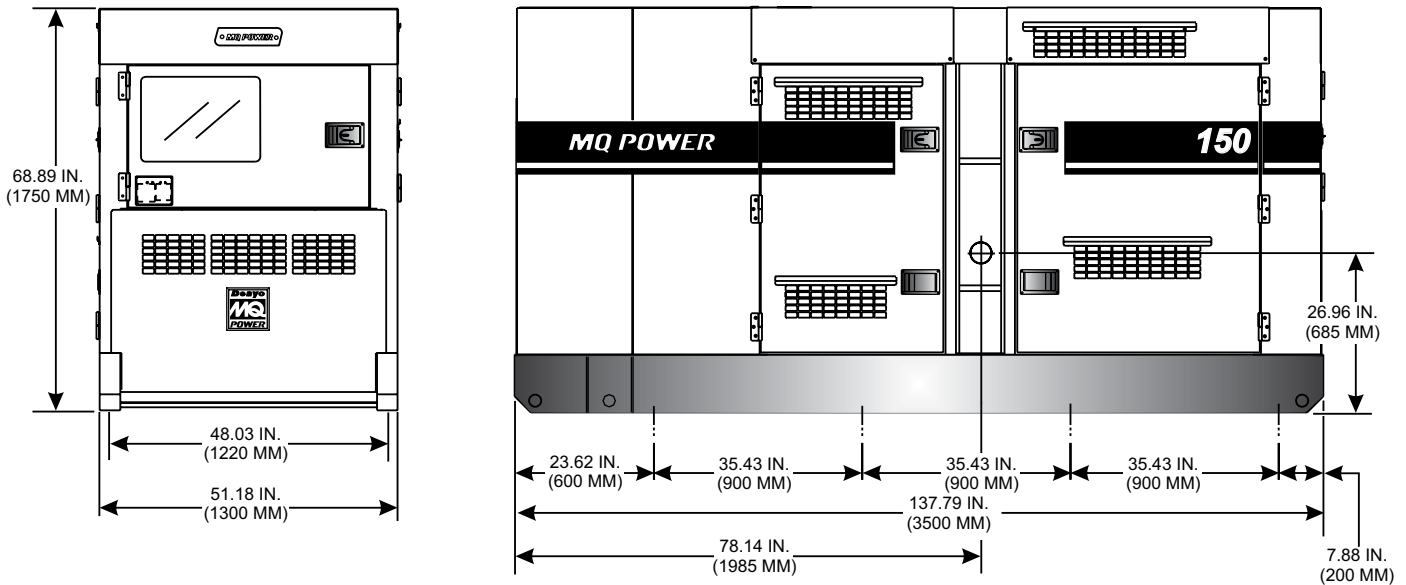
- **Cam-Loks** — provides quick disconnect alternative to bolt-on connectors.
- **Pin and Sleeve Connectors** — provides industry standard connectors for all voltage requirements.
- **Output Cable** — available in any custom length and size configuration.



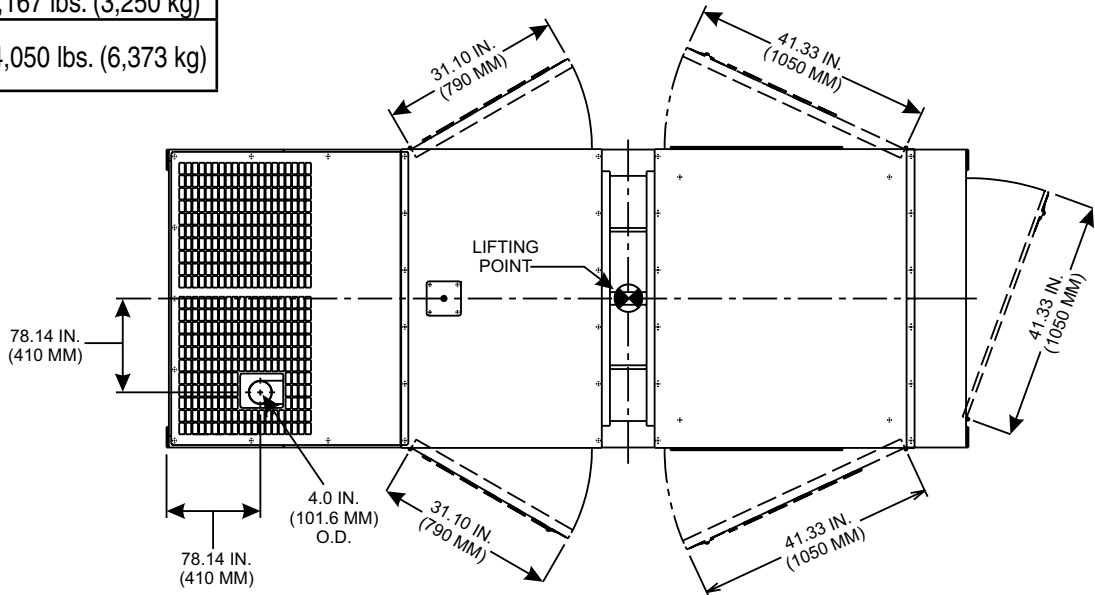
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DIMENSIONS



| Weight | |
|-----------------------------|------------------------|
| Dry Weight | 6,306 lbs. (2,860 kg) |
| Wet Weight | 7,167 lbs. (3,250 kg) |
| Max. Lifting Point Capacity | 14,050 lbs. (6,373 kg) |



Manufactured by Denyo Co.

Your MultiQuip dealer is:

