



DCA125USI3CAN

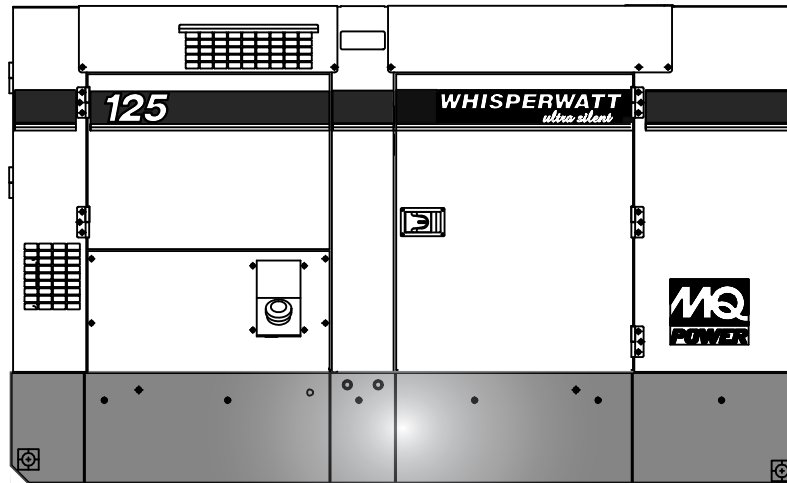
MQ POWER Ultra-Silent Series

WhisperWatt™ 125

Prime Rating — 100 kW (125 kVA)

Standby Rating — 110 kW (137 kVA)

60 Hertz



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 65 dB(A) at 23 feet. Fully lockable enclosure allows safe unattended operation.
- UN31A compliant internal fuel tank with direct reading fuel gauges are standard.
- E-coat and powder coat paint provide durability and weather protection.
- Complete engine analog instrumentation includes DC ammeter, oil pressure gauge, water temp. gauge, fuel level gauge, tachometer/hour meter, manual engine speed control, and emergency shutdown monitors.
- Complete generator analog instrumentation includes voltage regulator control, ammeter phase selector switch, voltmeter phase selector switch, AC voltmeter, AC ammeter, frequency meter, panel light, and circuit breaker.
- Automatic safety shutdown system monitors the water temperature, engine oil pressure, overspeed, and overcrank. Warning lights indicate abnormal conditions.
- Auto start/stop control allows generator to start automatically in the event of a commercial power failure.
- 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.
- Tier 3 emissions compliant.
- External fuel fill.
- Cold Weather Kit to maintain optimal temperature.
- Water Heater for easy starting in cold weather climates.
- CSA listed.



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SPECIFICATIONS

| Generator Specifications | |
|---|--|
| Design | Revolving field, Self-ventilated Drip-proof, Single bearing |
| No. of Poles | 4-pole |
| Excitation | Brushless with AVR |
| Standby Output | 110 KW (137 KVA) |
| Prime Output | 100 KW (125 KVA) |
| Generator RPM | 1800 |
| Voltage — 3Ø | 208, 220, 240, 416, 440, 480V Switchable |
| Voltage — 1Ø | 120, 127, 139, 240, 254, 277V Switchable |
| Armature Connection | Star with neutral / Zig Zag |
| Voltage Regulation (No load to full load) | ±0.5% |
| Power Factor | 0.8 |
| Frequency | 60 Hz |
| 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 | 65 |

| Engine Specifications | |
|-------------------------------|---|
| Make/Model | Isuzu / 4HK1X |
| Emissions | EPA Tier 3 Certified |
| Starting System | Electric |
| Design | 4-cycle, watercooled, direct injection, turbocharged, air to air intercooled |
| Displacement | 5193 cc |
| No. cylinders | 4 |
| Bore x Stroke (mm) | 115 x 125 |
| Gross Engine Power Output | 170.3 hp (127 kW) |
| HP at Rated Speed | 152.3 hp (113.6 kW) |
| BMEP | 212 psi (1458 kPa) |
| Piston Speed | 1480 ft/min (7.50 m/s) |
| Compression Ratio | 17.5 : 1 |
| Engine Speed | 1800 rpm |
| Overspeed Limit | 2070 rpm |
| Oil capacity gallons (liters) | 6.1 (23.4) |
| Battery | 12V 128 Ah x 1 |

| Fuel System | | |
|--------------------------------|----------------------------|------------|
| Recommended Fuel | ASTM-D975-No.1 and No. 2-D | |
| Maximum Fuel Flow (per hour) | 19.0 gal (71.0 L) | |
| Maximum Inlet Restriction (Hg) | 8.9 in (225 mm) | |
| Fuel Tank Capacity | 169 gal (640 L) | |
| Fuel Consumption | gph | lph |
| at full load | 7.3 | 27.6 |
| at 3/4 load | 5.7 | 21.7 |
| at 1/2 load | 4.0 | 15.1 |
| at 1/4 load | 2.4 | 9.1 |

| Cooling System | |
|---|--------------------|
| Fan Load | 4.4 hp (3.3 kW) |
| Coolant Capacity (with radiator) | 5.2 gal (19.7 L) |
| Coolant Flow Rate (per minute) | 48 gal (180 L) |
| Heat Rejection to Coolant (per minute) | 3500 Btu (3.7 MJ) |
| Heat Rejection from Engine (per minute) | 1040 Btu (1.1 MJ) |
| Maximum Coolant Friction Head | 6.5 psi (45.0 kPa) |
| Maximum Coolant Static Head | 29.5 ft (9.0 m) |
| Ambient Temperature Rating | 104°F (40°C) |

| Air | |
|---------------------------------|-------------------------------------|
| Combustion Air | 297 cfm (8.4 m³/min) |
| Maximum Air Cleaner Restriction | 25.0 in H ₂ O (6.25 kPa) |
| Alternator Cooling Air | 1352 cfm (38.3 m³/min) |
| Radiator Cooling Air | 2944 cfm (83 m³/min) |

| Exhaust System | |
|-----------------------|-------------------------------------|
| Gas Flow (full load) | 738 cfm (20.9 m³/min) |
| Gas Temperature | 986°F (530°C) |
| Maximum Back Pressure | 53.2 in/H ₂ O (13.3 kPa) |

| Amperage | |
|-----------------------------------|---------------------|
| Rated Voltage | Maximum Amps |
| 1Ø 120 Volt | 277.8 Amps (4 wire) |
| 1Ø 240 Volt | 138.9 Amps (4 wire) |
| 3Ø 240 Volt | 300 Amps |
| 3Ø 480 Volt | 150 Amps |
| Main Line Circuit Breaker Rating | 300 Amps |
| Over Current Relay Trip Set Point | 152 Amps |

WARRANTY*

Isuzu Engine

12 months from date of purchase with unlimited hours or 24 months from date of purchase with 2000 hours (whichever comes first).

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

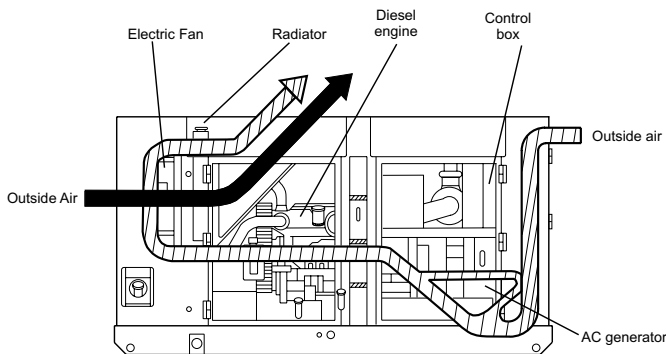
Our soundproof housing allows substantially lower operating noise levels than competitive design. WhisperWatts™ are at home on construction sites, in residential neighborhoods, and at hospitals — just about anywhere.

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



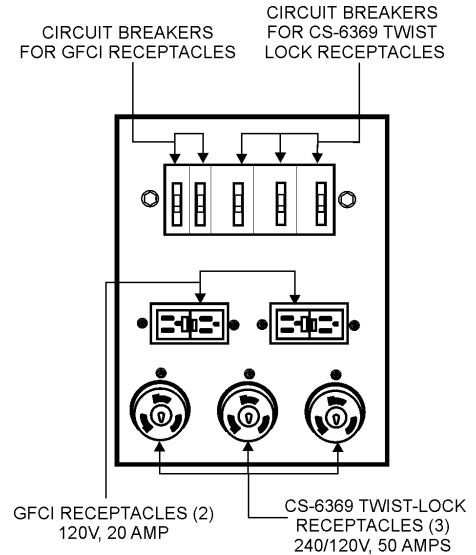
ULTRA-SILENT FEATURES

- **Low Noise Muffler** — Large capacity low noise muffler minimizes exhaust sound.
- **Soundproof Casing** — The new design divides the cabinet into three sections, separating the engine, muffler and radiator for more efficient cooling and reduces noise from the engine and fans.
- **New Cooling System** — An advanced design uses two separate air intake systems to cool the generator. The engine fan draws air in to cool the engine and generator housing while a second electric fan directly cools the radiator. With less air being drawn into the generator through each fan, considerably less noise is produced through the top of the generator.
- **Environmental Design** — Constructed using an integrated environmental skid and fuel tank. This design fully contains fuel leakage and any liquid that might leak from the engine such as lube oil or radiator coolant. All potentially hazardous liquids are contained without contaminating the surrounding area.



Flow of Cooling Air

GENERATOR OUTPUT PANEL



OPTIONAL CONTROL FEATURES

- **Audible alarm** alerts operator of abnormal conditions.
- **Low coolant level shutdown system** provides protection from critically low coolant levels. Includes control panel warning light.

OPTIONAL GENERATOR FEATURES

- **Emergency stop switch**
- **Battery charger** — provides fully automatic and self-adjusting charging to the generator's battery system.
- **Special batteries** — long life batteries provide extra engine cranking power.
- **Spring isolators** — provides extra vibration protection for standby applications.
- **Trailer mounted package** — highway legal, double axle trailer with electronic or surge brakes.

OPTIONAL OUTPUT CONNECTIONS

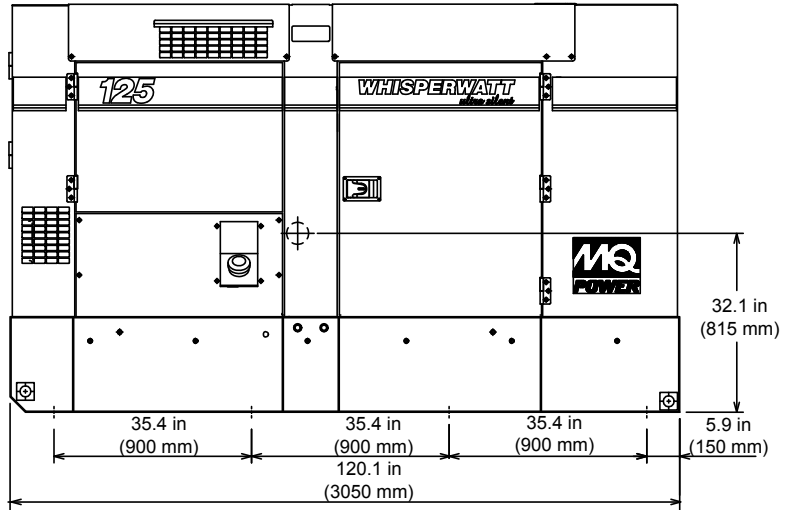
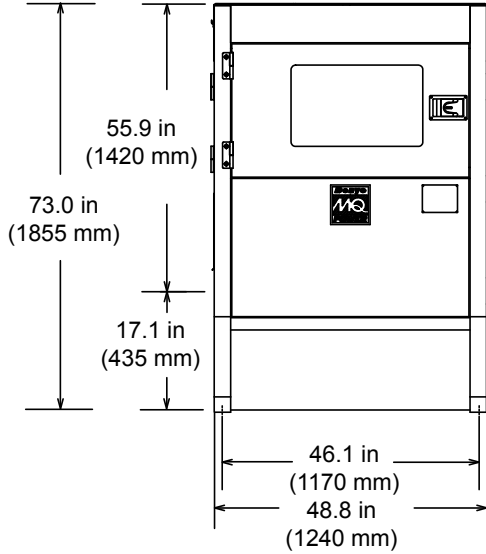
- **Cam-Loks** — provides quick disconnect alternative to bolt-on connectors.
- **Pin and Sleeve Connectors** — provides industry standard connectors for all voltage requirements.
- **Output Cable** — available in any custom length and size configuration.



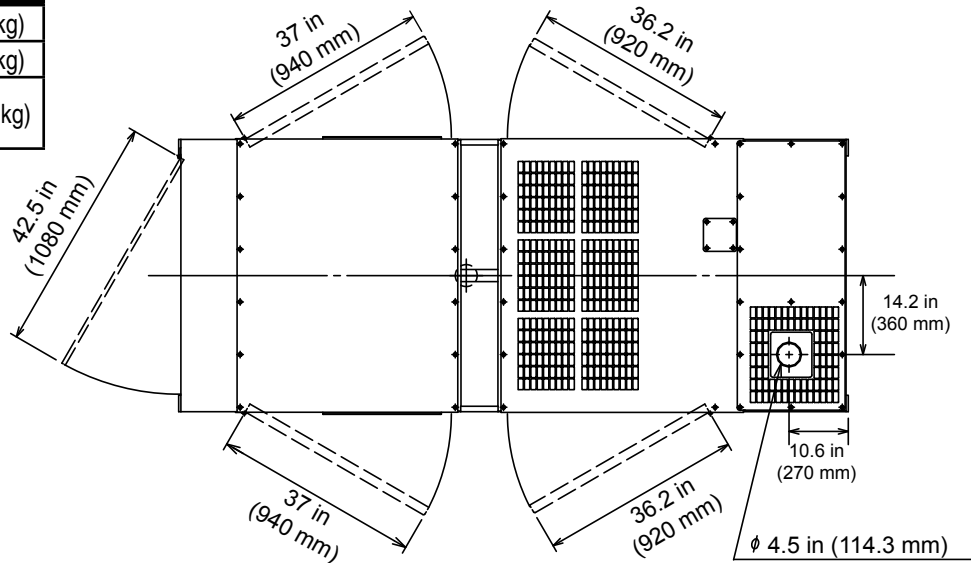
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DIMENSIONS



| Weight | |
|-----------------------------|------------------------|
| Dry Weight | 6,019 lbs. (2,730 kg) |
| Wet Weight | 7,342 lbs. (3,330 kg) |
| Max. Lifting Point Capacity | 14,050 lbs. (6,370 kg) |



Generator can be placed on an MQ Power Model TRLR125US Tandem Axle Trailer.

Manufactured by Denyo Co.

Your MultiQuip dealer is:

