



DCA70SSJU3

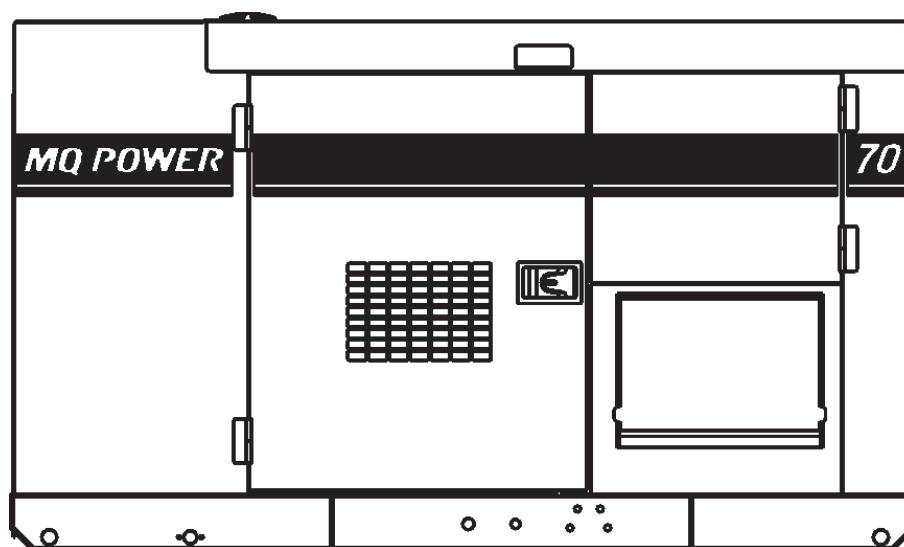
WhisperWatt Generator

WhisperWatt™ 70

Prime Rating: 56 kW (70 kVA)

Standby Rating: 60 kW (75 kVA)

60 Hertz



WhisperWatt™ Standard Features

- **Heavy duty, 4-cycle, direct injection, turbocharged 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 control** maintains frequency to within $\pm 0.25\%$ from no load to full load.
- **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 69 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.
- **EPA-MOH emissions certified.**
- **Complete engine analog instrumentation** includes DC ammeter, oil pressure gauge, water temp. gauge, tachometer/hour meter, preheat button, manual engine speed control, emergency shutdown monitors, and emergency stop button.
- **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.
- **Simultaneous single and three phase power.**
- **Voltage selector switch** allows easy to change voltages as your applications require.
- **Fuel/water separator** - Removes condensation from fuel for extended engine life.



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Specifications

Generator	
Design	Revolving field Self-ventilated Drip-proof Single bearing
No. of Poles	4-pole
Excitation	Brushless with AVR
Standby Output	61 KW (77 KVA)
Prime Output	56 KW (70 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)	1.0
Power Factor	0.8
Frequency	60 Hz
Insulation	Class F
Frequency Regulation: No Load to Full Load	Isochronous under varying loads from no load to 100% rated load
Frequency Regulation: Steady State	±0.5% for constant loads from no load to full load
Sound Level dB(A) Full load at 23 feet	69

Engine	
Make / Model	John Deere / 4045TF275
Emissions	EPA Tier 2 Certified
Starting System	Electric
Design	4-cycle Water cooled Direct injection Turbocharged
Displacement	4500 cc
No. cylinders	4
Bore x Stroke (mm)	106 x 127
Gross Engine Power Output	113.0 bhp (84.3 KW)
BMEP	162 psi (1119 kPa)
Piston Speed	1500 ft/min (7.62 m/s)
Compression Ratio	17.0:1
Engine Speed	1800 rpm
Overspeed Limit	2100 rpm
Oil capacity gallons (liters)	3.49 gal. (13.2)
Battery	12V 72Ah x 1

Fuel	
Maximum Fuel Flow (per hour)	21.8 gallons (82.4 liters)
Maximum Inlet Restriction (Hg)	1.85 in. (47 mm)
Fuel Tank Capacity	39.6 gallons (150 liters)
Fuel Consumption	
At full load gph (lph)	4.9 (18.5)
At 3/4 load gph (lph)	3.7 (13.9)
At 1/2 load gph (lph)	2.5 (9.5)
At 1/4 load gph (lph)	1.6 (6.1)

Cooling	
Fan Load	3.5 HP (2.6 KW)
Coolant Capacity (with radiator)	3.28 gallons (12.4 liters)
Coolant Flow Rate (per minute)	38 gallons (114 liters)
Heat Rejection to Coolant (per minute)	3300 Btu (3.5 MJ) Standby
Heat Radiated to Room (per minute)	582 Btu (0.614 MJ) Standby
Maximum Coolant Friction Head	4 psi (27.6 kPa)
Maximum Coolant Static Head	32 feet (9.8 meters)
Ambient Temperature Rating	104°F (40°C)

Air	
Combustion Air	226 cfm (6.4m³/min)
Maximum Air cleaner Restriction	25.0 in. (6.25 kPa)
Alternator Cooling Air	911 cfm (25.8m³/min)
Radiator Cooling Air	4873 cfm (138m³/min)
Minimum Air Opening to Room	8.61 sq.ft (0.80 sq.m)
Minimum Discharge Opening	2.71 sq.ft (0.25 sq.m)

Maximum Amps	
Rated Voltage	Maximum Amps
1Ø 120 Volt	155.5 amps (4 wire)
1Ø 240 Volt	77.8 amps (4 wire)
3Ø 240 Volt	168 amps
3Ø 480 Volt	84 amps

Exhaust	
Gas Flow (full load)	674 cfm (19.1 m³/min)
Gas Temperature	1058°F (570°C)
Maximum Back Pressure	30 in. H ₂ O (7.5 kPa)

Size	
LxWxH inches (cm)	94x35x55 (239x89x140)
Approx. Net Weight (dry)	3219 lbs. (1460 kg)

Warranty*

John Deere Engine

12 months from date of purchase and unlimited hours or

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

Generator

12 months from date of purchase or 1000 hours (whichever occurs first).

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

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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WhisperWatt Generator

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
- ⑦0 — Inside car at 60 mph
- **WhisperWatt at 23 feet**
- ⑥0 — Air conditioner at 20 feet
- ⑤0 — Normal conversation

69.0
DECIBELS

Optional Generator Features

- ☐ **Battery charger** — provides fully automatic and self-adjusting charging to the generator's battery system.
- ☐ **Low coolant level shutdown** — provides protection from critically low coolant levels. Includes control panel warning light.
- ☐ **Jacket water heater** — for easy starting in cold weather climates.
- ☐ **Special batteries** — long life batteries provide extra engine cranking power.
- ☐ **Spring Isolators** — provides extra vibration protection for standby applications.
- ☐ **Trailer mounted package** — highway legal trailer with electric or surge brakes with tandem axle configuration. Extra capacity fuel tanks are also available.

Optional Control Features

- ☐ **Emergency stop switch**

Optional Fuel Cell Features

- ☐ **Trailer fuel tank** — a second fuel cell located in the trailer allows for extended run time.
- ☐ **Subbase fuel cells (single wall)** — Additional fuel cell for extended runtime operation.
 - ☐ 12 hours of minimum run time.
 - ☐ 24 hours of minimum run time.
- ☐ **Subbase 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.
- ☐ **Environmental package** — provides extra protection to preserve the surrounding environment by using an integrated skid and custom designed environmental fuel tank. These packages not only contain fuel leakage but also 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.

Optional Distribution Devices

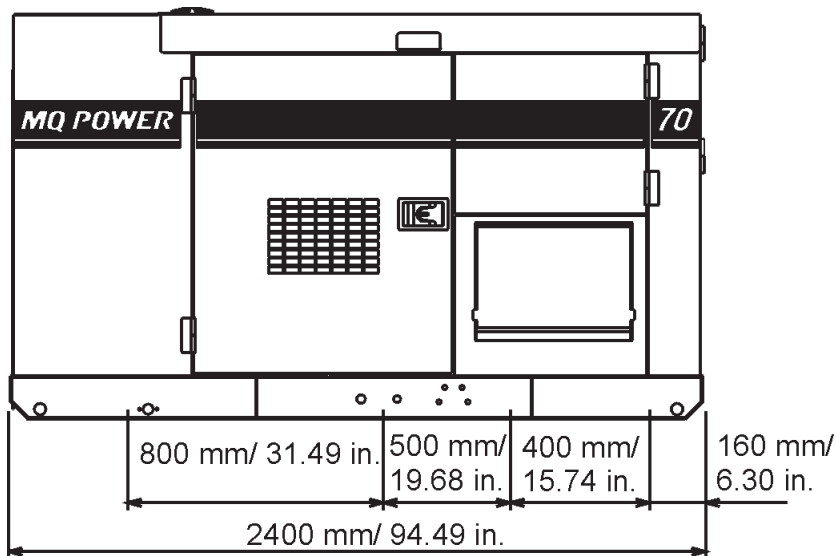
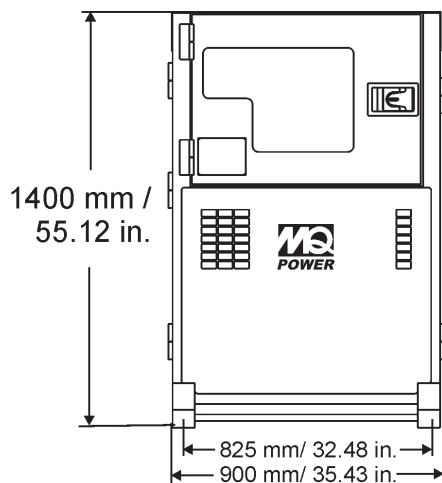
- ☐ **CamLok™ connectors**
- ☐ **Pin & sleeve connectors** — Appleton, Crouse-Hinds
- ☐ **AC output cable** — Type G, Type W



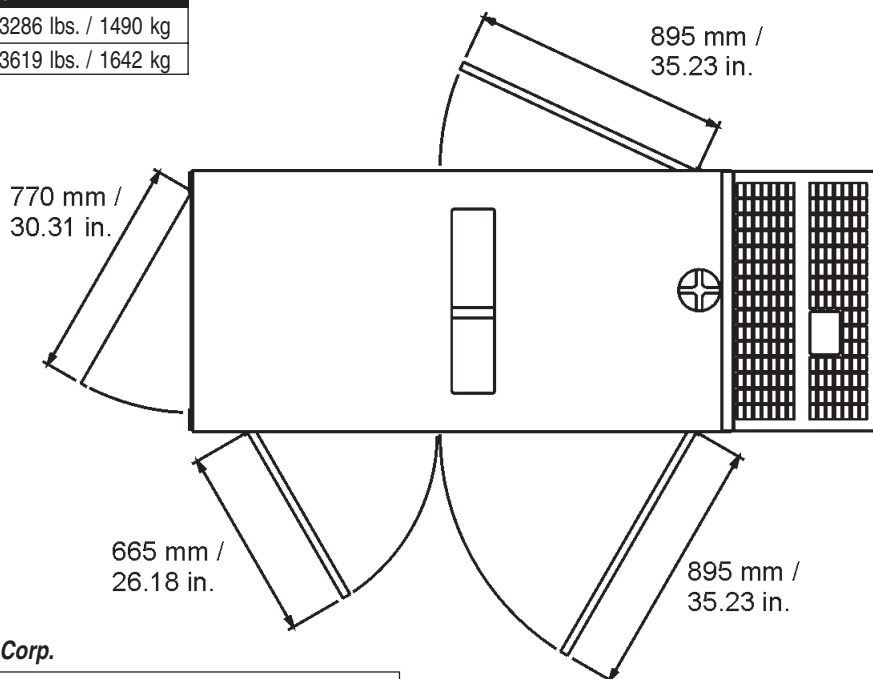
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Dimensions



Weight	
Dry Weight	3286 lbs. / 1490 kg
Wet Weight	3619 lbs. / 1642 kg



Units mfg. by Denyo Mfg. Corp.

Your MQ Power dealer is:



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POST OFFICE BOX 6254
CARSON, CA 90749
310-537-3700 • 800-421-1244
FAX: 310-632-2656
E-MAIL: mq@multiquip.com
WWW: www.mqpower.com