



DORF & NELSON LLP

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December 16, 2021

VIA HAND-DELIVERY

Chair Robin Kramer and Members
of the Zoning Board of Appeals
Village of Mamaroneck
169 Mt. Pleasant Ave.
Mamaroneck, NY 10543

Re: Application of 306 Fayette Realty Inc. and Waverly Associates LLC

Dear Chair Kramer and Members of the Board of Appeals:

At the public hearing held on December 2, 2021, the Board had requested information on the specifications of the equipment that may be stored on site as well as identifying on the site plan the location of the gas tank and dumpster. In addition, there was a question about hours of operation and the proposed number of employees and the type of trucks that will move the equipment on and off the site.

Enclosed please find a letter with attachments and a revised site plan that address all the questions raised at the December 2, 2021 meeting.

We hope this adequately answers all your questions. We look forward to appearing on January 6, 2022 to address any other questions you may have. Thank you.

Very truly yours,

Paul J. Noto, Esq.



December 13, 2021

Chair Robin Kramer and Members
of the Zoning Board of Appeals
Village of Mamaroneck
169 Mt. Pleasant Ave.
Mamaroneck, NY 10543

Re: Application of 306 Fayette Realty, Inc and New Waverly Avenue Associates, LLC

Dear Chair Kramer and Members of the Zoning Board of Appeals:

At the public hearing held on December 2nd, 2021 the Board had some additional questions regarding our proposed use. Below are answers to questions that were raised by the Board regarding the equipment that will be stored on site and general questions pertaining to our daily operations.

1. Hours of Operation

Monday – Friday, 7am to 5pm

2. # of Employees

Seven (7) total; one (1) Manager, one (1) Outside Sales, one (1) Inside Sales, two (2) Drivers, and two (2) Tech Mechanics

3. Size of trucks that will be retrieving the generators

Ford F250 or a Rollback Truck (a small, flatbed truck commonly used by towing companies).

4. Placement of fuel tank

The 1,000 gallon, double-walled, diesel fuel tank would be placed in the center of the property so generators could be fueled upon return. The placement of the tank in the center of the yard will allow for easy, safe access to the equipment during fueling.

5. Disposal of Waste Fuel

Waste oil is stored in specialized containers and will be hauled away by Safety-Kleen Systems, a company that provides services such as collecting and recycling oil, industrial cleaning, and handling of industrial waste on a regular schedule.

6. Name of manufacturer of equipment

Mainly Multiquip and Munters

7. Dimensions and weight of the 15-ton HVAC unit

See pages 3-6. The reference to “15-ton” describes the capacity of the unit, not the weight of the unit.

8. Dimensions and weight of all the stored generators

See page 7 for an overview of the generators and pages 8-39 for individual specifications for each unit. The smaller units (20KW, 36KW, and 56KW) will be transported on a single-axle trailer. The larger units will be transported on a dual-axle trailer.

9. Noises generated by use

All repairs will be made inside the building. The proposed use will not generate any excessive noise that is not consistent with any other allowed use in the M1 zone.

Additionally, during emergencies, we will open the location up to customers to procure equipment if needed after normal business hours.

Sunbelt Rentals appreciates the Board’s continued consideration of our proposed use. We hope that the above information answers all outstanding questions regarding our operation. We’d be happy to answer any additional questions, as we look forward to the next meeting scheduled for January 6, 2022.

Joseph Hill, Real Estate Manager.

Joseph Hill
Real Estate Manager Regions 1,2,3,5 and 11
Sunbelt Rentals, Inc.
2341 Deerfield Dr.
Ft. Mill, SC. 29715
(203) 671-3911

Munters R-Series Rental Dehumidifiers

R-Series | 5,000, 10,000 & 15,000 SCFM

Benefits

- Rugged and longer lasting construction compared to foam panel systems
- Durable construction designed to withstand frequent movement and transportation
- 15–30% less energy consumption compared to other suppliers
- Lower dew points are achieved through Munters' 400 mm rotor
- Dual reactivation provides utility source flexibility at customer site

Munters R-Series dehumidifiers provide the rental industry with a line of reliable and durable dehumidification systems built for ease of mobility and flexibility to meet a wide variety of customer requirements and applications.

Each system contains Munters' patented Honeycombe® desiccant rotor technology and is available in sizes of 5,000 SCFM, 10,000 SCFM or 15,000 SCFM.



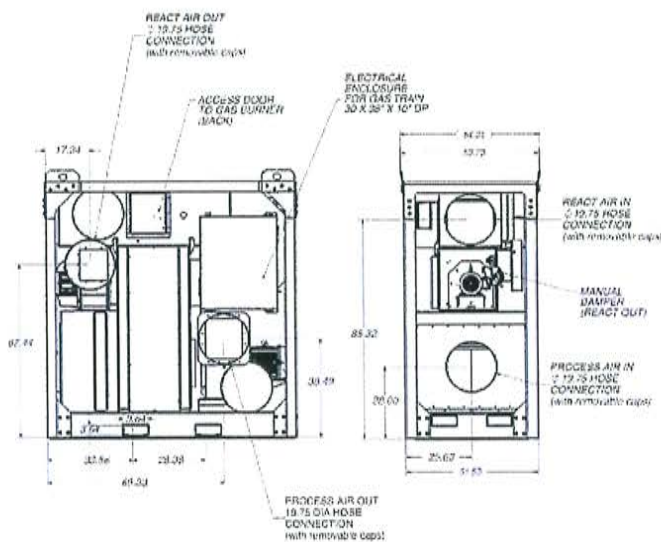
Munters R-Series Rental Dehumidifiers

R-Series | 5,000, 10,000 & 15,000 SCFM

Features

- Minimum 1/8" aluminum all-welded construction
- Cage is designed to bolt directly to skid with top-of-cage certified lifting lugs
- Integral forklift pockets and lifting points
- R-5,000 and R-10,000 designed to be stackable
- 400mm deep Silica Gel rotor
- Gas and electric dual reactivation
- Natural gas and propane single gas train selector switch
- Cam lock power connections
- Chain wheel drive
- Dry air fans provide 5" W.C. external static pressure at maximum volumes and higher at lower volumes
- 18"/20" round connection with tethered plastic inlet/outlet covers work as lay-flat duct holders when ducting is required
- User instructions and unit flow diagram (with red and green status lights for reactivation temp, wheel drive, process fan, etc.) located directly on units
- ETL/UL approved

Configuration



Drawing above represents R-5000 model. Configuration and design is similar for other models within this product series.

Rental units performance table

Unit	Air Flow, Nominal CFM	Moisture Removal 80°F, 60% RH (lb/hr)	Efficiency (BTUH per lb of H ₂ O removed)	Dry Air External Static Pressure	Dimensions LxWxH (in.)	Weight (lb)	Power	Power Required, Full Load Amps	Dry Air Duct Connections	Recommended Generator Size, kW (kVA)	Gas Reactivation Available
R-5,000	5,000	157	1826	5.0" ESP	99 x 54.2 x 99.3	3,600	460v/3/60	132	18" or 20"	100 kW (125)	Electric and Gas
R-10,000	10,000	330	1861	5.0" ESP	181 x 87 x 99.2	6,100	460v/3/60	282	(2) 18"/20" Returns, (2) 18"/20" Supply	225 kW (250)	Electric and Gas
R-15,000	15,000	405	1955	5.0" ESP	203.5 x 87 x 100	7,700	460v/3/60	Elec React: 338 Gas React: 77	(3) 18"/20" Returns, (3) 18"/20" Supply	303 kW (320)	Electric and Gas

Options for Munters R-(Rental) products

Round Inlet & Outlet Duct Connections: 18" or 20"

Cage: Yes or No

Power: 480v/3/60 and 575/3/60 (for Canada)

React: Optional Gas Only. Optional Electric Only.

Skid & Cage Finish: Painted steel or hot dipped galvanized

Unit Color: Gray is standard. Custom colors available.

Munters invented the desiccant rotor technology and provides its rental equipment customers with over 60 years of application, selection and energy optimization expertise and support.

Find your nearest Munters office at www.munters.com

Munters reserves the right to make alterations to specifications, quantities, etc., for production or other reasons, subsequent to publication. © Munters AB, 2021

Munters R-Series Rental Dehumidifiers

R-Series | 5,000, 10,000 & 15,000 SCFM

Benefits

- Rugged and longer lasting construction compared to foam panel systems
- Durable construction designed to withstand frequent movement and transportation
- 15–30% less energy consumption compared to other suppliers
- Lower dew points are achieved through Munters' 400 mm rotor
- Dual reactivation provides utility source flexibility at customer site

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Each system contains Munters' patented Honeycombe® desiccant rotor technology and is available in sizes of 5,000 SCFM, 10,000 SCFM or 15,000 SCFM.



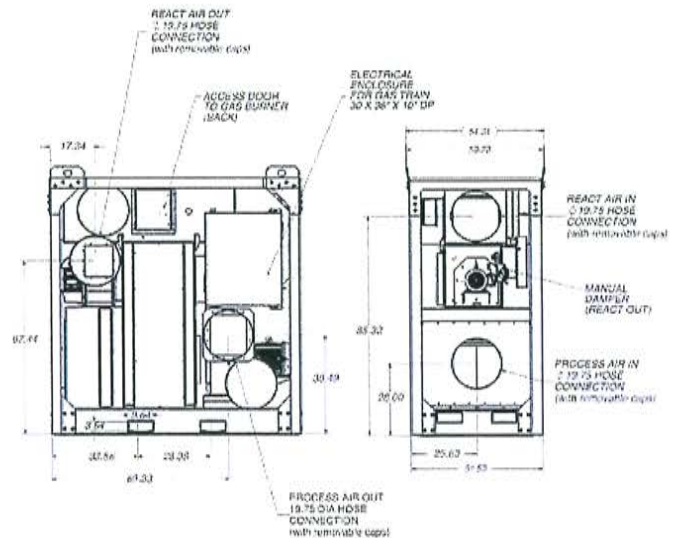
Munters R-Series Rental Dehumidifiers

R-Series | 5,000, 10,000 & 15,000 SCFM

Features

- Minimum 1/8" aluminum all-welded construction
- Cage is designed to bolt directly to skid with top-of-cage certified lifting lugs
- Integral forklift pockets and lifting points
- R-5,000 and R-10,000 designed to be stackable
- 400mm deep Silica Gel rotor
- Gas and electric dual reactivation
- Natural gas and propane single gas train selector switch
- Cam lock power connections
- Chain wheel drive
- Dry air fans provide 5" W.C. external static pressure at maximum volumes and higher at lower volumes
- 18"/20" round connection with tethered plastic inlet/outlet covers work as lay-flat duct holders when ducting is required
- User instructions and unit flow diagram (with red and green status lights for reactivation temp, wheel drive, process fan, etc.) located directly on units
- ETL/UL approved

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R-5,000	5,000	157	1826	5.0" ESP	99 x 54.2 x 99.3	3,600	460v/3/60	132	18" or 20"	100 kW (125)	Electric and Gas
R-10,000	10,000	330	1861	5.0" ESP	181 x 87 x 99.2	6,100	460v/3/60	282	(2) 18"/20" Returns, (2) 18"/20" Supply	225 kW (250)	Electric and Gas
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Options for Munters R-(Rental) products

Round Inlet & Outlet Duct Connections: 18" or 20"

Cage: Yes or No

Power: 480v/3/60 and 575/3/60 (for Canada)

React: Optional Gas Only. Optional Electric Only.

Skid & Cage Finish: Painted steel or hot dipped galvanized

Unit Color: Gray is standard. Custom colors available.

Munters invented the desiccant rotor technology and provides its rental equipment customers with over 60 years of application, selection and energy optimization expertise and support.

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Multiquip DCA Models & Shipping Information



Skid Model	Trailer	Engine	Model	Tier Level	Freight Class Skid Mounted	Skid Dimensions L x W x H	Skid Weight lbs.	Trailer Dimensions L x W x H	Trailer Weight lbs.	Trailer Mounted Dimensions	Trailer Mounted Weight lbs.
DCA25SSI4F	TRLR25US	Isuzu	4LE2T	4F	65/85	72 x 32 x 50	1795	105 x 57 x 17.0	406	105 x 57 x 62	2201
DCA40SSKU4F	TRLR45 (H / E)	Kubota	V2403	4F	65/85	77 x 38 x 54	2250	148 x 66 x 23	1056	148 x 66 x 78	3306
DCA45SSI4F	TRLR45 (H / E)	Isuzu	4LE2X	4F	65/85	84 x 38 x 61	2337	148 x 66 x 23	1056	148 x 66 x 77	3393
DCA70SSI4F	TRLR70US (H / E)	Isuzu	4JJ1X	4F	65/85	106 x 38 x 69	3329	166 x 72 x 21	960	166 x 72 x 85	4289
DCA70SSJU4I	TRLR70US (H / E)	John Deere	4045HFG92	4I	65/85	106 x 38 x 69	3594	166 x 72 x 21	960	166 x 72 x 85	4554
DCA125SSI4F	TRLR125US (H / E)	Isuzu	4HK1X	4F	65/85	121 x 49 x 73	5291	182 x 80 x 25	1719	182 x 80 x 90	7010
DCA125SSJU4I	TRLR125US (H / E)	John Deere	4045HFG93	4I	65/85	121 x 49 x 73	5137	182 x 80 x 25	1719	182 x 80 x 90	6856
DCA150SSJU4F	TRLR180XF (H / E)	John Deere	6068HFG08	4F	65/85	138 x 52 x 69	6615	209 x 87 x 26	2580	209 x 85 x 96	9195
DCA220SSJU4F	TRLR220XF (H / E)	John Deere	6068HFG09	4F	65/85	138 x 52 x 71	7695	210 x 88 x 28	2761	210 x 88 x 99	10456
DCA300SSJU4F	TRLR 325XF (H / E)	John Deere	6090HFG09	4F	65/85	150 x 60 x 75	9658	234 x 96 x 25	3760	234 x 96 x 107	13418
DCA400SSI4F (on TRLR400XF3DA)	TRLR400XF3DA (H / E)	Isuzu	6WG1X	4F	65/85	182 x 60 x 89	12280	265 x 94 x 28	4280	265 x 94 x 111	16560
DCA600SSVC		Volvo	TAD1642GE	T2	65/85	186 x 65 x 95	16373	N/A	N/A	N/A	N/A
DCA800SSK2C		KOMATSU	SAA6D-170E2	T2	65/85	217 x 77 x 99	23634	N/A	N/A	N/A	N/A
DIS185SSI4F		Isuzu	4LE2T	T4	65/85	N/A	N/A	N/A	N/A	129 x 66 x 61	2112
MQP240	TRLR325XF (H / E)	CUMMINS	QSL9-G3	T4	65/85	150 x 56 x 71	8645	234 x 96 x 25	3760	234 x 96 x 104	12405
TLG8SSK4F	TRLRMP OR MPXF	KUBOTA	Z482	T4	65/85	44 x 29 x 24	580	100 x 57 x 22	383 713	100 x 57 x 48	963 1293
Canadian Models											
DCA25USI4CAN	TRLR25US	Isuzu	BV-4LE2	4I	65/85	71 x 32 x 50	1808	105 x 57 x 17.0	406	105 x 57 x 62	2214
DCA45USI4CAN	TRLR45 (H / E)	Isuzu	BU-4JJ1T	4I	65/85	84 x 38 x 61	2888	148 x 66 x 23	1056	148 x 66 x 77	3944
DCA70USI3CAN	TRLR70US (H / E)	Isuzu	BJ-4JJ1X	T3	65/85	106 x 38 x 69	3771	166 x 72 x 21	960	166 x 72 x 85	4731
DCA125USI3CAN	TRLR125US (H / E)	Isuzu	4HK1X	T3	65/85	121 x 49 x 73	6019	182 x 80 x 25	1719	182 x 80 x 90	7738
DCA150USJ3CAN	TRLR150US (H / E)	John Deere	6068HF285	T3	65/85	128 x 49 x 75	7099	185 x 84 x 26	1772	185 x 84 x 94	8871

(H / E) - Available in Hydraulic or Electric

2/11/2016



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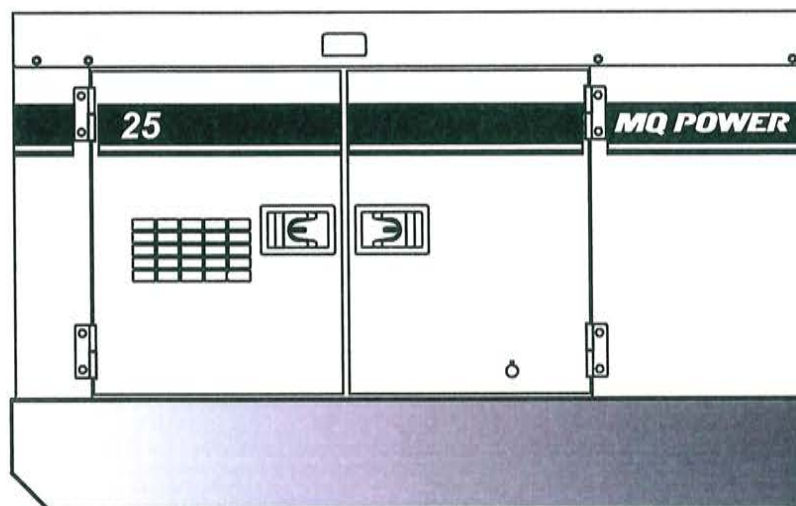
Generator

WhisperWatt™

Prime Rating — 20 kW (25 kVA)

Standby Rating — 22 kW (27.5 kVA)

Three-Phase, 60 Hertz, 0.8 PF



STANDARD FEATURES

- Heavy duty, 4-cycle, direct injection, heated crankcase vent, turbocharged diesel engine provides maximum reliability.
- EPA emissions certified - Tier 4 final emissions compliant.
- Microprocessor engine control system maintains frequency to $\pm 0.25\%$.
- Full load acceptance of standby nameplate rating in a single step.
- Fuel/water separator removes condensation from fuel for extended engine life. Panel mounted alarm light included.
- Sound attenuated, weather resistant, steel housing provides operation at 65 dB(A) at 23 feet. Fully lockable enclosure allows safe unattended operation.
- E-coat and powder coat paint provides durability and weather protection.
- Internal fuel tank with direct reading of fuel gauge.
- Spill containment — Bunded design protects environment by capturing up to 124% of engine fluids.
- Brushless alternator reduces service and maintenance requirements and meets temperature rise standards for Class F insulation systems.
 - Open delta excitation design provides virtually unlimited excitation for maximum motor starting capability.
 - Automatic voltage regulator (AVR) provides precise regulation.
- Fully covered power panel. 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.
- ECU754 microprocessor-based digital generator controller.
 - Remote 2-wire start/stop control.
 - Operational temperature range of -40° to 85° 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.
- Automatic safety shutdown system monitors the water temperature, engine oil pressure, overspeed and overcrank. Warning lights indicate abnormal conditions.
- Voltage selector switch allows easy to change voltages as your applications require.



DCA25SSIU4F

Generator

SPECIFICATIONS

Generator Specifications

Design	Revolving field, self-ventilated Drip-proof, single bearing	
Armature Connection	Star with Neutral	Zig Zag
Phase	3	Single
Standby Output	22 KW (27.5 KVA)	15.8 KW
Prime Output	20 KW (25 KVA)	14.4 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	
Winding Pitch	5/6	
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	65	

Engine Specifications

Make / Model	Isuzu / 4LE2T
Emissions	EPA Tier 4 Final Certified
Starting System	Electric
Design	4-cycle, water cooled, direct injection, turbocharged, EGR
Displacement	133.0 in ³ (2179 cc)
No. cylinders	4
Bore x Stroke (mm)	85 x 96
Rated Engine Power Output	33.5 hp (25 kW)
BMEP	133 psi (918 kPa)
Piston Speed	1133.9 ft./min. (5.76 m/s)
Compression Ratio	17.6:1
Engine Speed	1800 rpm
Overspeed Limit	2070 rpm
Oil Capacity	2.8 gallons (10.5 liters)
Battery	12V 53Ah x 1

Fuel System

Recommended Fuel	ASTM-D975-No.1 & No.2-D*	
Maximum Fuel Flow (per hour)	2.3 gallons (8.8 liters)	
Maximum Inlet Restriction (Hg)	6.8 in. (173 mm)	
Fuel Tank Capacity	41.7 gallons (158 liters)	
Fuel Consumption	gph	lph
At full load	1.62	6.12
At 3/4 load	1.26	4.77
At 1/2 load	0.94	3.57
At 1/4 load	0.67	2.52

* - Use ultra-low sulfur diesel fuel.

Cooling System

Fan Load	0.67 hp (0.5 kW)
Coolant Capacity (with radiator)	2.3 gallons (8.8 liters)
Coolant Flow Rate (per minute)	20.1 gallons (76.0 liters)
Heat Rejection to Coolant (per minute)	1479 Btu (1.56 MJ)
Maximum Coolant Friction Head	14.5 psi (100 kPa)
Maximum Coolant Static Head	3.35 feet (1.04 meters)
Ambient Temperature Rating	104°F (40°C)

Air

Combustion Air	109 cfm (3.10 m ³ /min)
Maximum Air Cleaner Restriction	25 in. H ₂ O (6.23 kPa)
Alternator Cooling Air	388 cfm (11.0 m ³ /min)
Radiator Cooling Air	1420 cfm (40.2 m ³ /min)
Minimum Air Opening to Room	2.6 ft ² (0.24 m ²)
Minimum Discharge Opening	0.84 ft ² (0.08 m ²)

Exhaust System

Gas Flow (full load)	148 cfm (4.2 m ³ /min)
Gas Temperature	847°F (453°C)
Maximum Back Pressure	30.1 in. H ₂ O (7.5 kPa)

Amperage

Rated Voltage	Maximum Amps
1Ø 120 Volt	60 Amps x 2 (Zigzag)
1Ø 240 Volt	60 Amps (Zigzag)
3Ø 208 Volt	60 Amps
3Ø 240 Volt	60 Amps
3Ø 480 Volt	30 Amps
Main Line Circuit Breaker Rating	60 Amps
Over Current Relay Trip Set Point	30 Amps

WARRANTY*

Isuzu Engine**

12 months from date of purchase with unlimited hours or 36 months from date of purchase with 3,000 hours (whichever occurs first).

Generator

24 months from date of purchase or 2,000 hours (whichever occurs first).

Trailer

12 months excluding normal wear items.

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

**Refer to Isuzu Diesel Engine Limited Warranty for details.

NOTICE

Specifications sheet is subject to change and is not intended for use in installation design.



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Generator

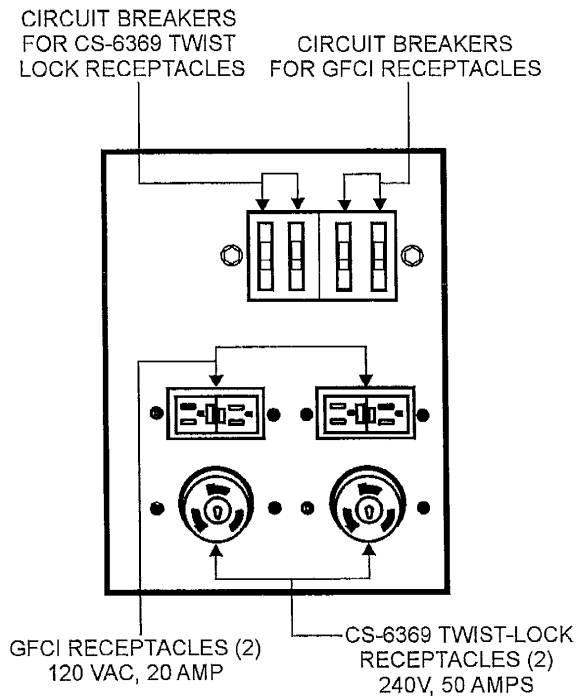
MQ POWER DECIBEL LEVELS

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
- (60) — Air conditioner at 20 feet
- (50) — Normal conversation

65.0
DECIBELS

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.
- **Low Coolant Level Shutdown** — provides protection from critically low coolant levels. Includes control panel warning light.
- **Trailer Mounted Package** — meets National Highway Traffic Safety Administration (NHTSA) regulations. Trailer is equipped with electronic or surge brakes with single or tandem axle configuration.

OPTIONAL CONTROL FEATURES

- **Emergency Stop Switch** — when manually activated shuts down generator in the event of an emergency.
- **Audible Alarm** — alerts operator of abnormal conditions.

OPTIONAL FUEL CELL FEATURES

- **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

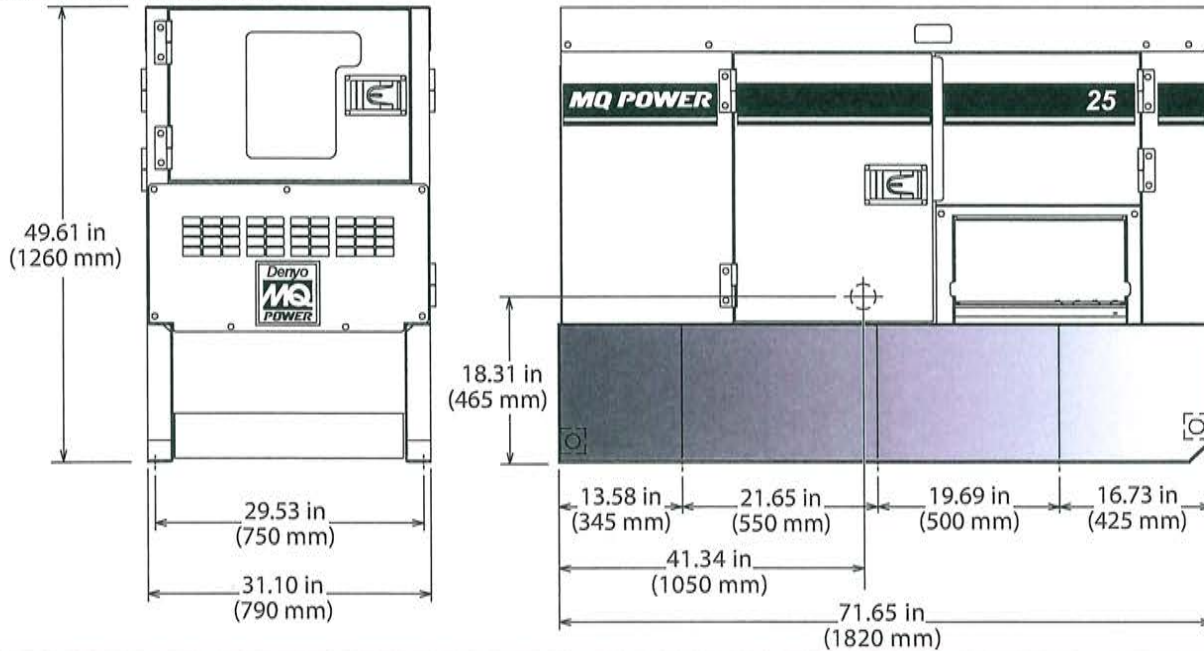
- **Cam-Lok Connectors** — provides quick disconnect alternative to bolt-on connectors.
- **Pin and Sleeve Connectors** — provides industry standard connectors for all voltage requirements.
- **Output Cable** — available in any custom length and size configuration.



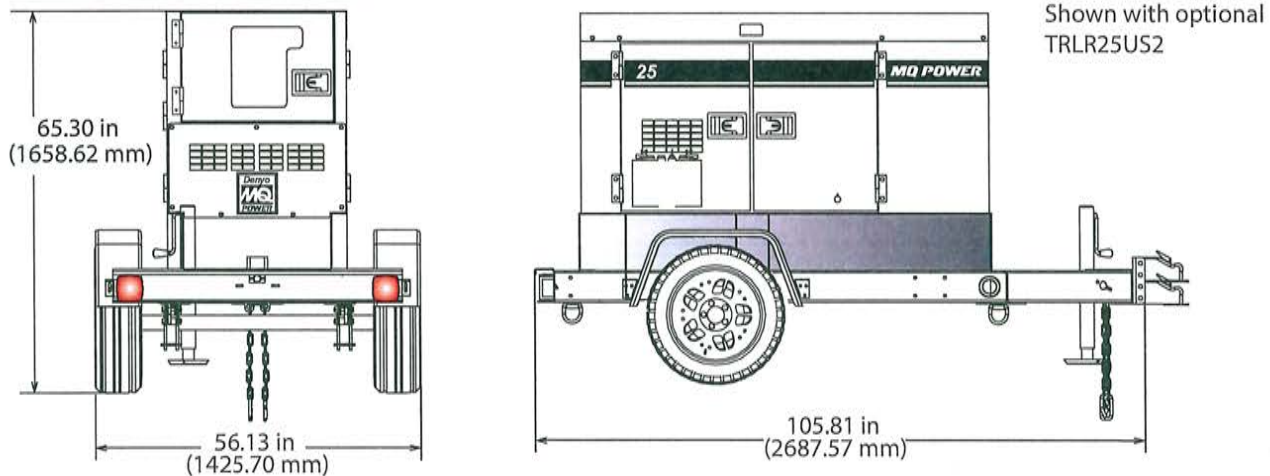
DCA25SSIU4F

Generator

SKID-MOUNT DIMENSIONS



TRAILER-MOUNT DIMENSIONS



DCA25SSIU4F Weights*

Dry Weight	1,795 lbs. (814 kg)
Wet Weight	2,137 lbs. (969 kg)
Max. Lifting Point Capacity	5,150 lbs. (2,335 kg)

* Weights do not include options.

DCA25SSIU4F and TRLR25US2 Weights*

Dry Weight (with TRLR25US2)	2,239 lbs. (1,016 kg)
Wet Weight (with TRLR25US2)	2,581 lbs. (1,171 kg)

Generator can be placed on MQ Trailer Models TRLR25US and TRLR75XF2.

NOTICE

Features and Specifications are subject to change without notice.



MULTIQIP
6141 Katella Avenue Suite 200
Cypress, CA 90630
310-537-3700
E-MAIL: mq@multiquip.com
WEBSITE: www.multiquip.com



DCA45SSIU4F

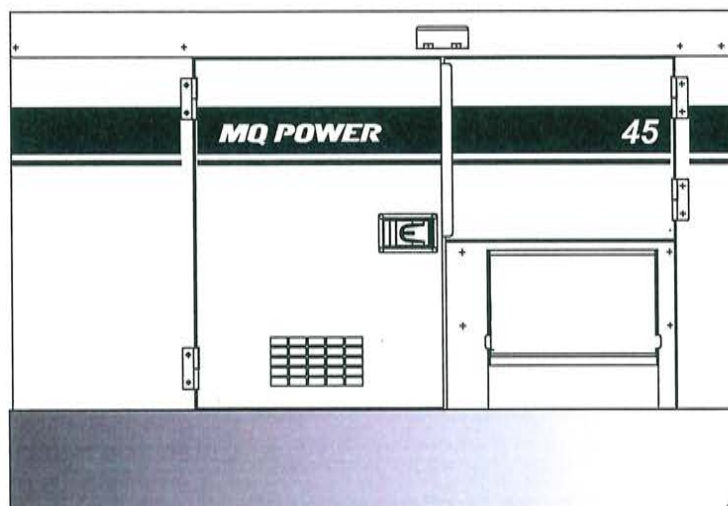
Generator

WhisperWatt™

Prime Rating — 36 kW (45 kVA)

Standby Rating — 40 kW (50 kVA)

Three-Phase, 60 Hertz, 0.8 PF



STANDARD FEATURES

- Heavy duty, 4-cycle, direct injection, heated crankcase vent, turbocharged, charge air cooled, diesel engine provides maximum reliability.
- EPA emissions certified — Tier 4 Final emissions compliant.
- Microprocessor engine control system maintains frequency to $\pm 0.25\%$.
- Full load acceptance of standby nameplate rating in a single step.
- Fuel/water separator removes condensation from fuel for extended engine life. Panel-mounted alarm light included.
- Sound attenuated, weather resistant, steel housing provides operation at 66 dB(A) at 23 feet. Fully lockable enclosure allows safe unattended operation.
- E-coat and powder coat paint provide durability and weather protection.
- Internal fuel tank with direct reading fuel gauge.
- Spill containment — Bunded design protects environment by capturing up to 119% of engine fluids.
- Brushless alternator reduces service and maintenance requirements and meets temperature rise standards for Class H insulation systems.
 - Open delta alternator design provides virtually unlimited excitation for maximum motor starting capability.
 - Automatic voltage regulator (AVR) provides precise regulation.
- Fully covered power panel. Three-phase terminals and single phase receptacles allow fast and convenient hookup for most applications including temporary power boxes, tools and lighting equipment. The GFCI receptacles are NEMA 5-20, and the auxiliary outputs use CS6369 twist-lock receptacles.
- ECU754 microprocessor-based digital generator controller.
 - Remote 2-wire start/stop control.
 - Operational temperature range of -40° to 85° 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.
- Automatic safety shutdown system monitors the water temperature, low coolant, engine oil pressure, overspeed, and overcrank. Warning lights indicate abnormal conditions.



DCA45SSIU4F

Generator

SPECIFICATIONS

Generator Specifications		
Design	Revolving field, self-ventilated Drip-proof, single bearing	
Armature Connection	Star with Neutral	Zig Zag
Phase	3	Single
Standby Output	40 KW (50 KVA)	28.8 KW
Prime Output	36 KW (45 KVA)	26 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	
Winding Pitch	2/3	
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 H	
Sound Level dB(A) Full load at 23 feet	66	

Engine Specifications	
Make / Model	Isuzu / 4LE2X
Emissions	EPA Tier 4 Final Certified
Starting System	Electric
Design	4-cycle, water cooled, direct injection, turbocharged, charge air cooled and EGR
Displacement	133.0 in³ (2179 cc)
No. cylinders	4
Bore x Stroke (mm)	85 x 96
Gross Engine Power Output	65.7 hp (49 kW)
BMEP	217 psi (1499 kPa)
Piston Speed	1133.9 ft./min. (5.76 m/s)
Compression Ratio	17.6:1
Engine Speed	1800 rpm
Overspeed Limit	2070 rpm
Oil Capacity	3.2 gallons (12.2 liters)
Battery	12V 72Ah x 1

Fuel System		
Recommended Fuel	ASTM-D975-No.1 & No.2-D*	
Maximum Fuel Flow (per hour)	3.4 gallons (13 liters)	
Maximum Inlet Restriction (Hg)	11 in. (280 mm)	
Fuel Tank Capacity	79.2 gallons (300 liters)	
Fuel Consumption	gph	lph
At full load	2.93	11.1
At 3/4 load	2.20	8.31
At 1/2 load	1.60	6.04
At 1/4 load	1.04	3.92

* Use Ultra-low sulfur diesel fuel

Cooling System	
Fan Load	2.01 hp (1.5 kW)
Coolant Capacity (with radiator)	4.44 gallons (16.8 liters)
Coolant Flow Rate (per minute)	16.9 gallons (64.2 liters)
Heat Rejection to Coolant (per minute)	1934 Btu (2.04 MJ)
Maximum Coolant Friction Head	14.5 psi (100 kPa)
Maximum Coolant Static Head	3.35 feet (1.04 meters)
Ambient Temperature Rating	104°F (40°C)

Air	
Combustion Air	174 cfm (4.94 m³/min)
Maximum Air Cleaner Restriction	25 in. H ₂ O (6.23 kPa)
Alternator Cooling Air	526 cfm (14.9 m³/min)
Radiator Cooling Air	1900 cfm (53.8 m³/min)
Minimum Air Opening to Room	3.5 ft² (0.33 m²)
Minimum Discharge Opening	2.27 ft² (0.21 m²)

Exhaust System	
Gas Flow (full load)	237 cfm (6.7 m³/min)
Gas Temperature	1078°F (581°C)
Maximum Back Pressure	38.1 in. H ₂ O (9.5 kPa)

Amperage	
Rated Voltage	Maximum Amps
1Ø 120 Volt	100 Amps (4 wire), 108A x 2 (Zigzag)
1Ø 240 Volt	50 Amps (4 wire), 108A (Zigzag)
3Ø 240 Volt	108 Amps
3Ø 480 Volt	54 Amps
Main Line Circuit Breaker Rating	125 Amps
Over Current Relay Trip Set Point 480V Mode Only	54 Amps

WARRANTY*

Isuzu Engine**

12 months from date of purchase with unlimited hours or 36 months from date of purchase with 3,000 hours (whichever comes first).

Generator

24 months from date of purchase or 2,000 hours (whichever occurs first).

Trailer

12 months excluding normal wear items.

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

**Refer to Isuzu Diesel Engine Limited Warranty for details.

NOTICE

Specifications sheet is subject to change and is not intended for use in installation design.



DCA45SSIU4F

Generator

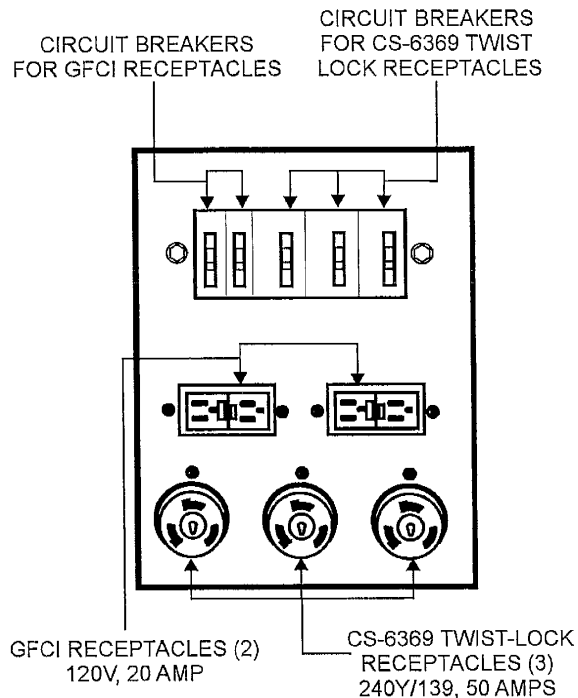
MQ POWER DECIBEL LEVELS

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
- 60 — Air conditioner at 20 feet
- 50 — Normal conversation

66.0
DECIBELS

GENERATOR OUTPUT PANEL



OPTIONAL GENERATOR FEATURES

- **PowerBalance™** — designed to assist generators when operating under low temperature and/or low load conditions to insure peak performance.
- **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.
- **Low Coolant Level Shutdown** — provides protection from critically low coolant levels. Includes control panel warning light.
- **Trailer Mounted Package** — meets National Highway Traffic Safety Administration (NHTSA) regulations. Trailer is equipped with electronic or surge brakes with double or triple axle configuration.

OPTIONAL CONTROL FEATURES

- **Emergency Stop Switch** — when manually activated shuts down generator in the event of an emergency.
- **Audible Alarm** — alerts operator of abnormal conditions.

OPTIONAL FUEL CELL FEATURES

- **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

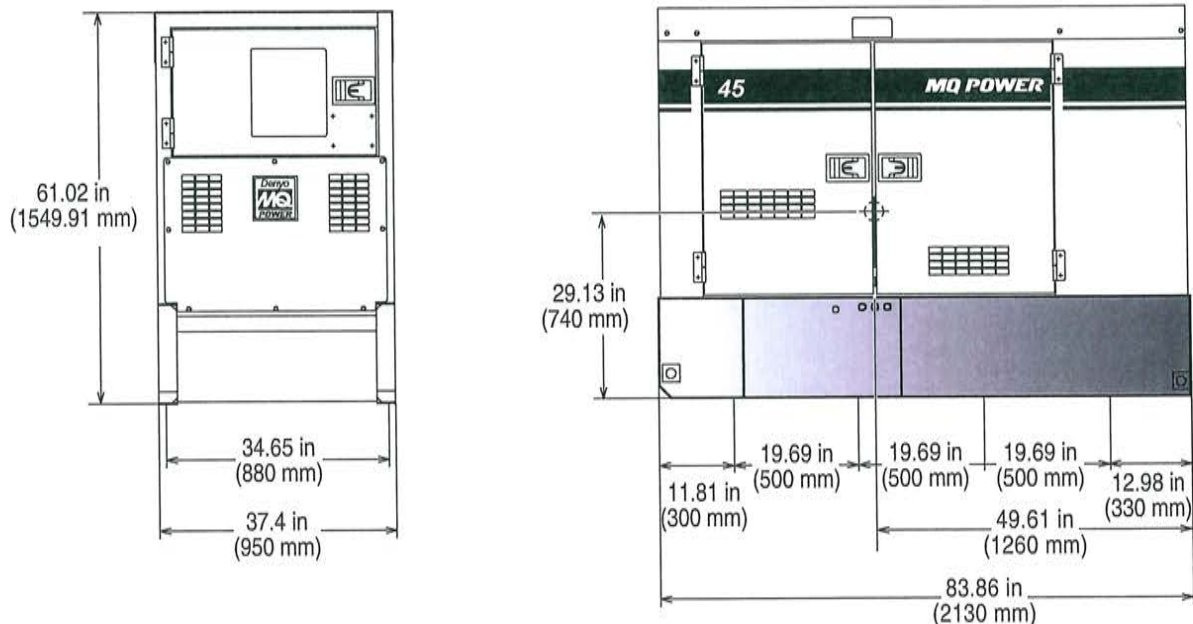
- **Cam-Lok Connectors** — provides quick disconnect alternative to bolt-on connectors.
- **Pin and Sleeve Connectors** — provides industry standard connectors for all voltage requirements.
- **Output Cable** — available in any custom length and size configuration.



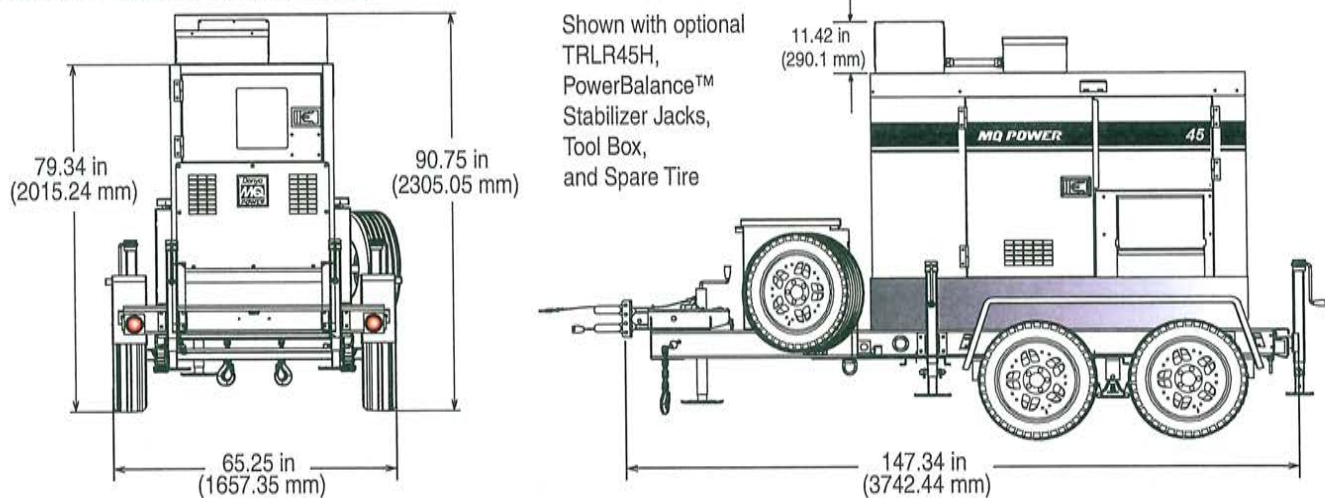
DCA45SSIU4F

Generator

SKID-MOUNT DIMENSIONS



TRAILER-MOUNT DIMENSIONS



DCA45SSI4F Weights*

Dry Weight	2,335 lbs. (1,059 kg)
Wet Weight	2,974 lbs. (1,349 kg)
Max. Lifting Point Capacity	5,150 lbs. (2,335 kg)

* Weights do not include options.

DCA45SSI4F and TRLR45 Weights*

Dry Weight (with TRLR45)	3,391 lbs. (1,538 kg)
Wet Weight (with TRLR45)	4,030 lbs. (1,828 kg)

Generator can be placed on MQ Trailer Models TRLR45 and TRLR75XF2.

NOTICE

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DCA70SSIU4F

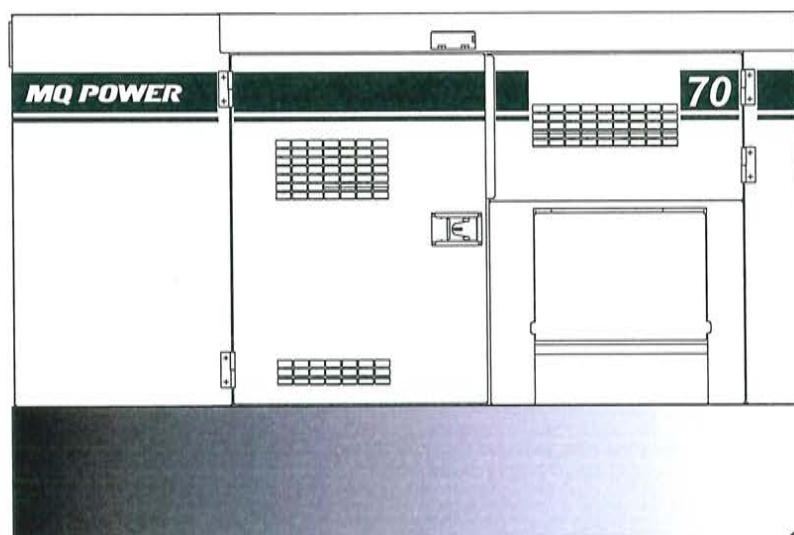
Generator

WhisperWatt™

Prime Rating — 56 kW (70 kVA)

Standby Rating — 62 kW (77 kVA)

3-Phase, 60 Hertz, 0.8 PF



STANDARD FEATURES

- Heavy duty, 4-cycle, direct injection, heated crankcase vent, turbocharged, charge air cooled, 1000W block heater, diesel engine provides maximum reliability.
- EPA emissions certified - Tier 4 Final emissions compliant.
- Microprocessor engine control system maintains frequency to $\pm 0.25\%$.
- Full load acceptance of standby nameplate rating in a single step.
- Fuel/water separator removes condensation from fuel for extended engine life. Panel-mounted alarm light included.
- Sound attenuated, weather resistant, steel housing provides operation at 65 dB(A) at 23 feet. Fully lockable enclosure allows safe unattended operation.
- E-coat and powder coat paint provide durability and weather protection.
- Internal fuel tank with direct reading fuel gauge.
- Spill containment - Bunded design protects environment by capturing up to 128% of engine fluids.
- Brushless alternator reduces service and maintenance requirements and meets temperature rise standards for Class H insulation systems.
 - Open delta alternator design provides virtually unlimited excitation for maximum motor starting capability.
 - Automatic voltage regulator (AVR) provides precise regulation.
- Fully covered power panel. 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.
- ECU845 microprocessor-based digital generator controller.
 - Remote 2-wire start/stop control.
 - High visibility LCD display with heated screen and alphanumeric readout.
 - Operational temperature range of -40° to 85° C.
 - AC monitoring along with fuel and DEF level indicators.
- Digital engine gauges including oil pressure, water temperature, battery volts, engine speed, fuel level and DEF level.
- Analog generator instrumentation including AC ammeter, AC voltmeter, frequency meter, ammeter phase selector switch, voltmeter phase selector switch, and voltage regulator adjustment potentiometer.
- Automatic safety shutdown system monitors the water temperature, low coolant, engine oil pressure, overspeed, and overcrank. Warning lights indicate abnormal conditions.
- Voltage selector switch offers the operator a wide range of voltages that are manually selectable. Fine tuning of the output voltage can be accomplished by adjusting the voltage regulator control knob to obtain the desired voltage.



DCA70SSIU4F

Generator

SPECIFICATIONS

Generator Specifications

Design	Revolving field, self-ventilated Drip-proof, single bearing	
Armature Connection	Star with Neutral	Zig Zag
Phase	3	Single
Standby Output	62 KW (77 KVA)	44 KW
Prime Output	56 KW (70 KVA)	40 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	
Winding Pitch	2/3	
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 H	
Sound Level dB(A) Full load at 23 feet	65	

Engine Specifications

Make / Model	Isuzu / BR-4JJ1X
Emissions	EPA Tier 4 Final Certified
Starting System	Electric
Design	4-cycle, water cooled, direct injection, turbocharged, charge air cooled, DOC and SCR
Displacement	183.0 in ³ (2999 cc)
No. cylinders	4
Bore x Stroke (mm)	95.4 x 104.9
Gross Engine Power Output	95.2 hp (71 kW)
BMEP	208 psi (1434 kPa)
Piston Speed	1237 ft./min. (6.29 m/s)
Compression Ratio	16.5:1
Engine Speed	1800 rpm
Overspeed Limit	2070 rpm
Oil Capacity	3.96 gallons (15 liters)
Battery	12V 75Ah x 1

Fuel System

Recommended Fuel	ASTM-D975-No.1 & No.2-D*	
Maximum Fuel Flow (per hour)	16 gallons (60 liters)	
Maximum Inlet Restriction (Hg)	2.9 in. (73.6 mm)	
Fuel Tank Capacity	103 gallons (390 liters)	
Fuel Consumption	gph	lph
At full load	4.4	16.6
At 3/4 load	3.5	13.4
At 1/2 load	2.6	9.8
At 1/4 load	1.7	6.4
DEF Tank Capacity	7.4 gallons (28 liters)	

* - Use ultra-low sulfur diesel fuel.

Cooling System

Fan Load	4.7 hp (3.5 kW)
Coolant Capacity (with radiator)	5.5 gallons (21 liters)
Coolant Flow Rate (per minute)	15.9 gallons (60 liters)
Heat Rejection to Coolant (per minute)	2483 Btu (2.62 MJ)
Maximum Coolant Friction Head	1.2 psi (7.9 kPa)
Maximum Coolant Static Head	3.3 feet (1.0 meter)
Ambient Temperature Rating	104°F (40°C)

Air

Combustion Air	138 cfm (3.9 m ³ /min)
Maximum Air Cleaner Restriction	25 in. H ₂ O (6.25 kPa)
Alternator Cooling Air	526 cfm (14.9 m ³ /min)
Radiator Cooling Air	3700 cfm (105 m ³ /min)
Minimum Air Opening to Room	6.03 ft ² (0.56 m ²)
Minimum Discharge Opening	3.33 ft ² (0.31 m ²)

Exhaust System

Gas Flow (full load)	272 cfm (7.7 m ³ /min)
Gas Temperature	572°F (300°C)
Maximum Back Pressure	7.2 in. H ₂ O (17.5 kPa)

Amperage

Rated Voltage	Maximum Amps
1Ø 120 Volt	155.4 Amps (4 wire) 168A x 2 (Zigzag)
1Ø 240 Volt	77.8 Amps (4 wire) 168A (Zigzag)
3Ø 240 Volt	168 Amps
3Ø 480 Volt	84 Amps
Main Line Circuit Breaker Rating	200 Amps
Over Current Relay Trip Set Point 480V Mode Only	84 Amps

WARRANTY*

Isuzu Engine**

12 months from date of purchase with unlimited hours or 36 months from date of purchase with 3,000 hours (whichever occurs first).

Generator

24 months from date of purchase or 2,000 hours (whichever occurs first).

Trailer

12 months excluding normal wear items.

*Refer to the express written, one-year limited warranty sheet for additional information.
**Refer to Isuzu Diesel Engine Limited Warranty for details.

NOTICE

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Generator

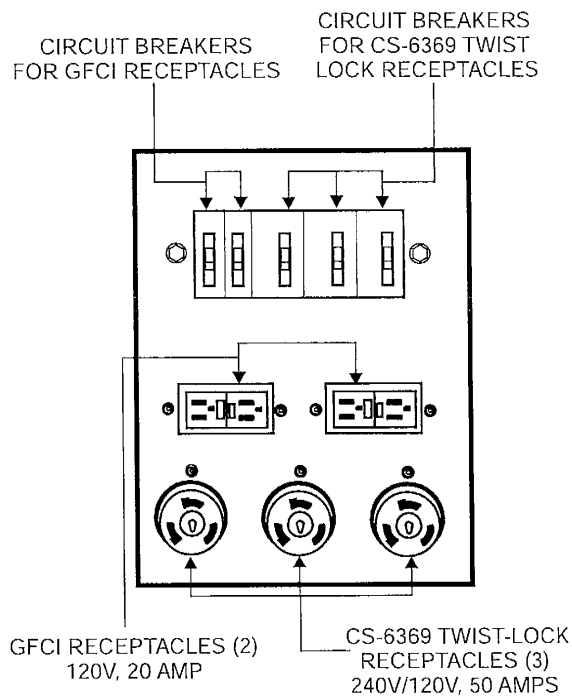
MQ POWER DECIBEL LEVELS

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
- 65.0 — **WhisperWatt at 23 feet**
- 60 — Air conditioner at 20 feet
- 50 — Normal conversation

65.0
DECIBELS

GENERATOR OUTPUT PANEL



OPTIONAL GENERATOR FEATURES

- **PowerBalance™** — designed to assist generators when operating under low temperature and/or low load conditions to insure peak performance.
- **Battery Charger** — provides fully automatic and self-adjusting charging to the generator's battery system.
- **Trailer Mounted Package** — meets National Highway Traffic Safety Administration (NHTSA) regulations. Trailer is equipped with electronic or surge brakes with double axle configuration.

OPTIONAL CONTROL FEATURES

- **Emergency Stop Switch** — when manually activated, shuts down generator in the event of an emergency.
- **Audible Alarm** — alerts operator of abnormal conditions.

OPTIONAL FUEL CELL FEATURES

- **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

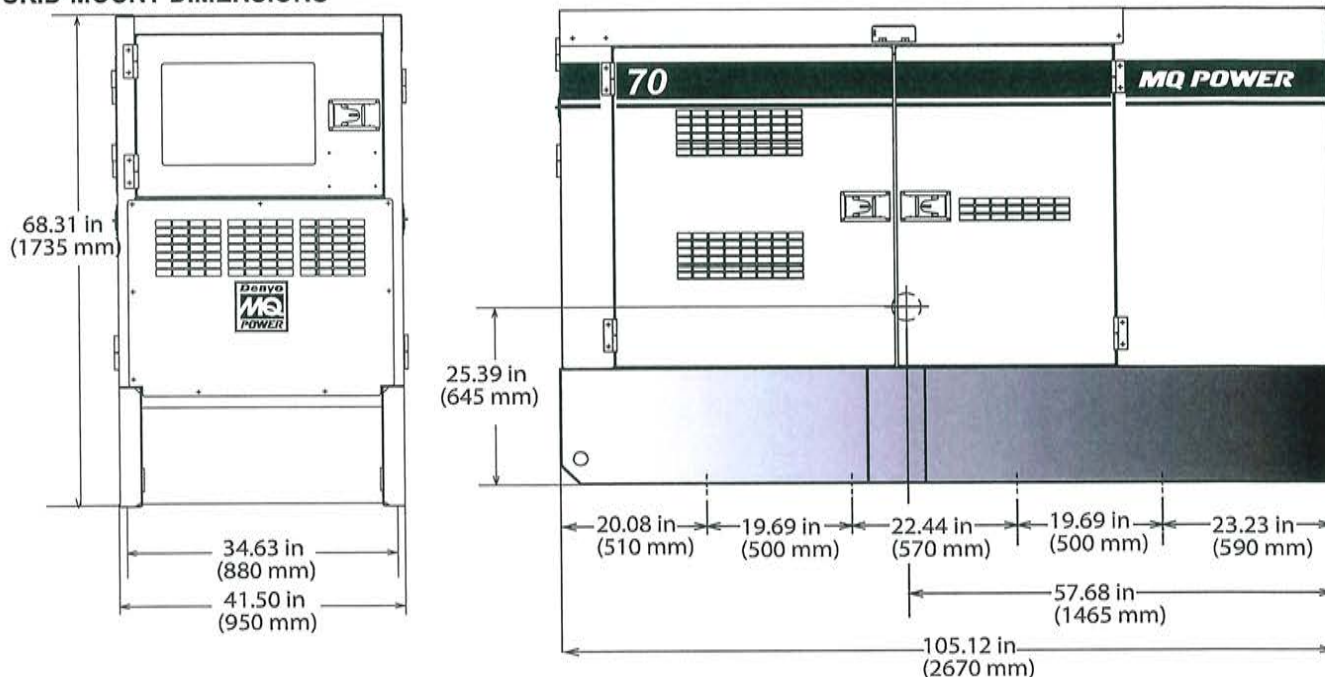
- **Cam-Lok Connectors** — provides quick disconnect alternative to bolt-on connectors.
- **Pin and Sleeve Connectors** — provides industry standard connectors for all voltage requirements.
- **Output Cable** — Available in any custom length and size configuration.



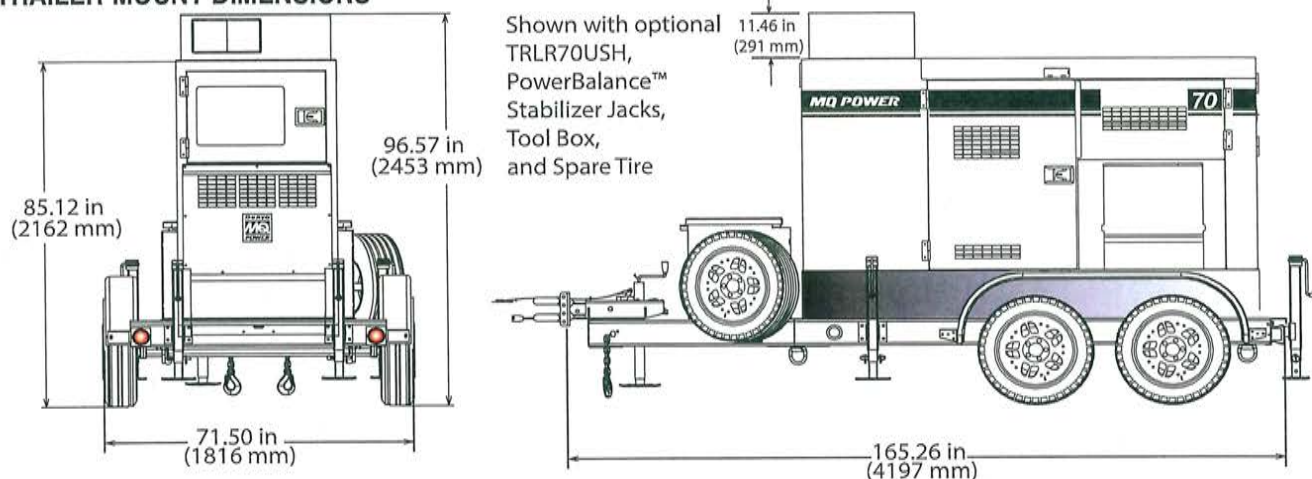
DCA70SSIU4F

Generator

SKID-MOUNT DIMENSIONS



TRAILER-MOUNT DIMENSIONS



DCA70SSIU4F Weights*

Dry Weight	3,326 lbs. (1,509 kg)
Wet Weight	4,207 lbs. (1,908 kg)
Max. Lifting Point Capacity	6,960 lb. (3,157 kg)

* Weights do not include options.

DCA70SSIU4F and TRLR70US Weights*

Dry Weight (with TRLR75XF2)	4,415 lbs. (2,003 kg)
Wet Weight (with TRLR75XF2)	5,296 lbs. (2,402 kg)

Generator can be placed on MQ Trailer Models TRLR70US and TRLR75XF2.

NOTICE

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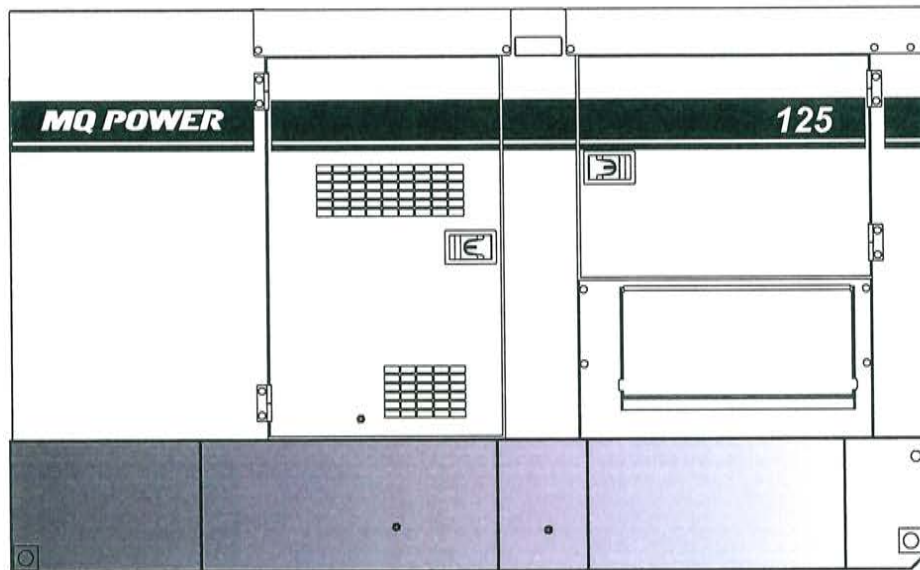
Generator

WhisperWatt™

Prime Rating — 100kW (125kVA)

Standby Rating — 110kW (137.5kVA)

3-Phase, 60 Hertz, 0.8 PF



STANDARD FEATURES

- Heavy duty, 4-cycle, direct injection, heated crankcase vent, turbocharged, charge air cooled, 1000W block heater, diesel engine provides maximum reliability.
- EPA emissions certified - Tier 4 Final emissions compliant.
- Microprocessor engine control system maintains frequency to $\pm 0.25\%$.
- Full load acceptance of standby nameplate rating in a single step.
- Fuel/water separator removes condensation from fuel for extended engine life. Panel mounted alarm light included.
- Sound attenuated, weather resistant, steel housing provides operation at 66 dB(A) at 23 feet. Fully lockable enclosure allows safe unattended operation.
- E-coat and powder coat paint provides durability and weather protection.
- Internal fuel tank with direct reading fuel gauge.
- Spill Containment - Bunded design protects environment by capturing up to 128% of engine fluids.
- 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.
- Fully covered power panel. 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.
- ECU845 microprocessor-based digital generator controller.
 - Remote 2-wire start/stop control.
 - High visibility LCD display with heated screen and alphanumeric readout.
 - Operational temperature range of -40° to 85° C.
 - AC monitoring along with fuel and DEF level indicators.
- Digital engine gauges including oil pressure, water temperature, battery volts, engine speed, engine load, fuel level and DEF level.
- Analog generator instrumentation including AC ammeter, AC voltmeter, frequency meter, ammeter phase selector switch, voltmeter phase selector switch, and voltage regulator adjustment potentiometer.
- Automatic safety shutdown system monitors the water temperature, engine oil pressure, low DEF, overspeed and overcrank. Warning lights indicate abnormal conditions.
- Voltage selector switch offers the operator a wide range of voltages that are manually selectable. Fine tuning of the output voltage can be accomplished by adjusting the voltage regulator control knob to obtain the desired voltage.



DCA125SSIU4F

Generator

SPECIFICATIONS

Generator Specifications

Design	Revolving field, self-ventilated Drip-proof, single bearing	
Armature Connection	Star with Neutral	Zig Zag
Phase	3	Single
Standby Output	110KW (137.5 KVA)	79 KW
Prime Output	100 KW (125 KVA)	72 KW
3Ø Voltage (L-L/L-N)	208Y/120, 220Y/127, 240Y/139	N/A
Voltage Selector Switch at 3Ø 240/139		
3Ø Voltage (L-L/L-N)	416Y/240, 440Y/254, 480Y/277	N/A
Voltage Selector Switch at 3Ø 480/277		
1Ø Voltage (L-L/L-N)	N/A	240/120
Voltage Selector Switch at 1Ø 240/120		
Power Factor	0.8	1.0
Voltage Regulation (No load to full load)	±0.5%	
Generator RPM	1800	
Frequency	60 Hz	
Winding Pitch	2/3	
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	66	

Engine Specifications

Make / Model	Isuzu / BR-4HK1X	
Emissions	EPA Tier 4 Final Certified	
Starting System	Electric	
Design	4-cycle, water cooled, direct injection, turbocharged. Charged Air Cooled EGR, DOC and SCR.	
Displacement	317 in ³ (5193 cc)	
No. cylinders	4	
Bore x Stroke	4.52 x 4.92 in. (115 x 125 mm)	
Gross Engine Power Output	170.8 hp (127.4 kW)	
BMEP	211 psi (1458 kPa)	
Piston Speed	1476 ft/min (7.5 m/s)	
Compression Ratio	16.5:1	
Engine Speed	1800 rpm	
Overspeed Limit	2070 rpm	
Oil Capacity	6.05 gallons (22.9 liters)	
Battery	12V 150Ah x 1	

Fuel System

Recommended Fuel	ASTM-D975-No.1 & No.2-D*	
Maximum Fuel Flow (per hour)	19 gallons (71.9 liters)	
Maximum Inlet Restriction (Hg)	2.9 in (73.6 mm)	
Fuel Tank Capacity	169 gallons (640 liters)	
Fuel Consumption	gph	lph
At full load	7.1	26.9
At 3/4 load	5.6	21.2
At 1/2 load	4.1	15.5
At 1/4 load	2.6	10.0
DEF Tank Capacity	7.4 gallons (28 liters)	

* - Use ultra-low sulfur diesel fuel.

Cooling System

Fan Load	6.57 hp (4.9 kW)
Coolant Capacity (with radiator)	10.3 gallons (39 liters)
Coolant Flow Rate (per minute)	60.8 gallons (230 liters)
Heat Rejection to Coolant (per minute)	4456 Btu (4.7 MJ)
Maximum Coolant Friction Head	1.1 psi (7.7 kPa)
Maximum Coolant Static Head	3.3 feet (1 meter)
Ambient Temperature Rating	104°F (40°C)

Air

Combustion Air	244 cfm (6.9 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	6005 cfm (170 m ³ /min)

Exhaust System

Gas Flow (full load)	512 cfm (14.5 m ³ /min)
Gas Temperature	658°F (348°C)
Maximum Back Pressure	100 in. H ₂ O (25 kPa)

Amperage

Rated Voltage	Maximum Amps
1Ø 120 Volt	300A x 2 (Zigzag)
1Ø 240 Volt	300 A (Zigzag)
3Ø 208 Volt	300 Amps
3Ø 240 Volt	300 Amps
3Ø 480 Volt	150 Amps
Main Line Circuit Breaker Rating	300 Amps
Over Current Relay Trip Set Point 480V Mode Only	152 Amps

WARRANTY*

Isuzu Engine**

12 months from date of purchase with unlimited hours or 36 months from date of purchase with 3000 hours (whichever occurs 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.

**Refer to Isuzu Diesel Engine Limited Warranty for details.

NOTICE

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Generator

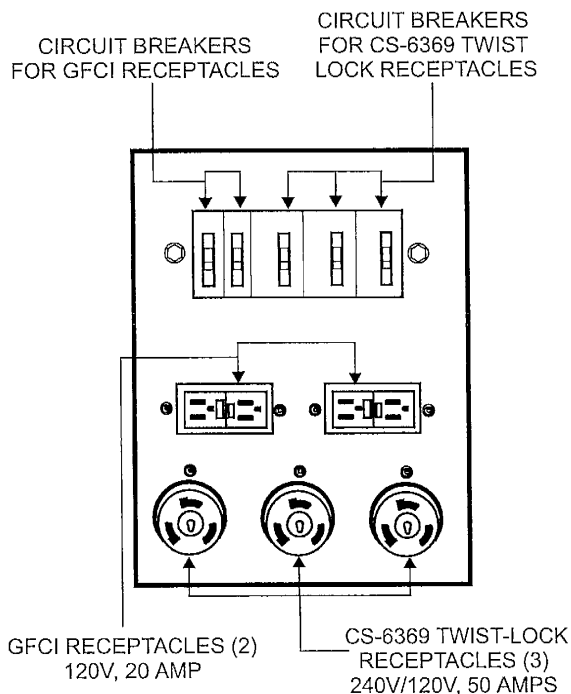
MQ POWER DECIBEL LEVELS

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
- 66.0 — **WhisperWatt at 23 feet**
- 60 — Air conditioner at 20 feet
- 50 — Normal conversation



GENERATOR OUTPUT PANEL



OPTIONAL GENERATOR FEATURES

- **Parallel Controls** — provides the ability to connect multiple generators together into a single power generation system.
- **PowerBalance™** — designed to assist generators when operating under low temperature and/or low load conditions to insure peak performance.
- **Battery Charger** — provides fully automatic and self-adjusting charging to the generator's battery system.
- **Trailer Mounted Package** — meets National Highway Traffic Safety Administration (NHTSA) regulations. Trailer is equipped with electronic or surge brakes with double axle configuration.

OPTIONAL CONTROL FEATURES

- **Emergency Stop Switch** — when manually activated, shuts down generator in the event of an emergency.
- **Audible Alarm** — alerts operator of abnormal conditions.

OPTIONAL FUEL CELL FEATURES

- **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.

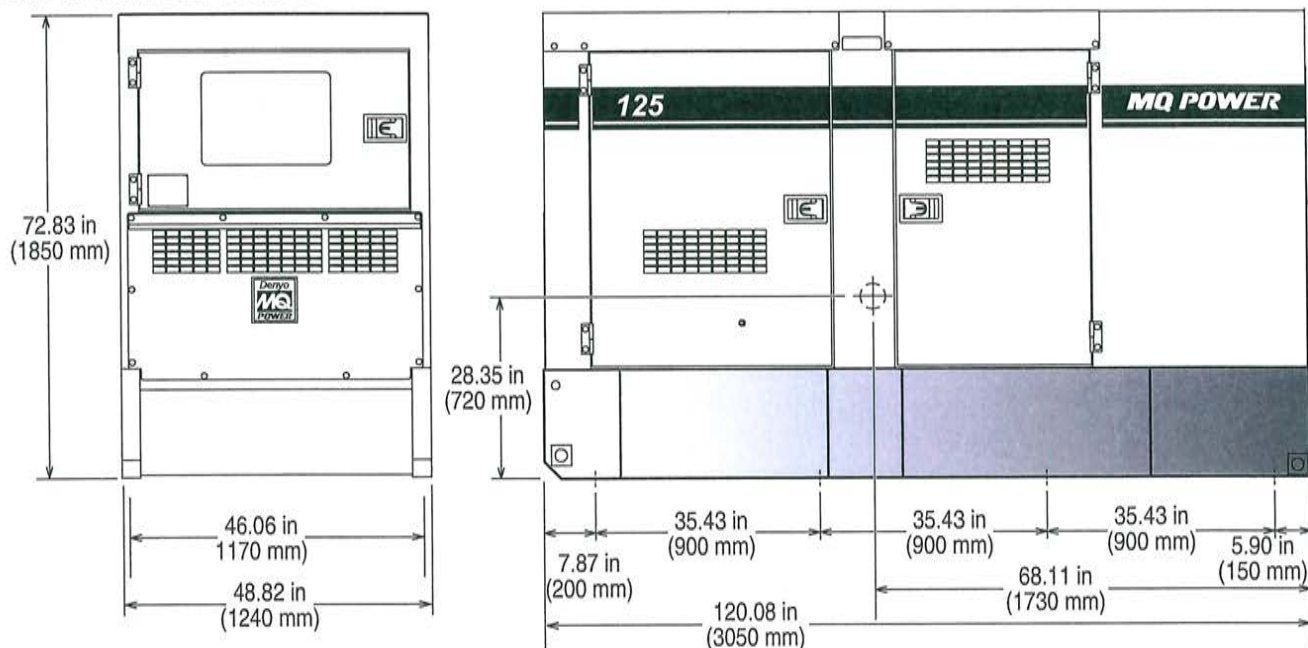
OPTIONAL OUTPUT CONNECTIONS

- **Cam-Lok Connectors** — 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.

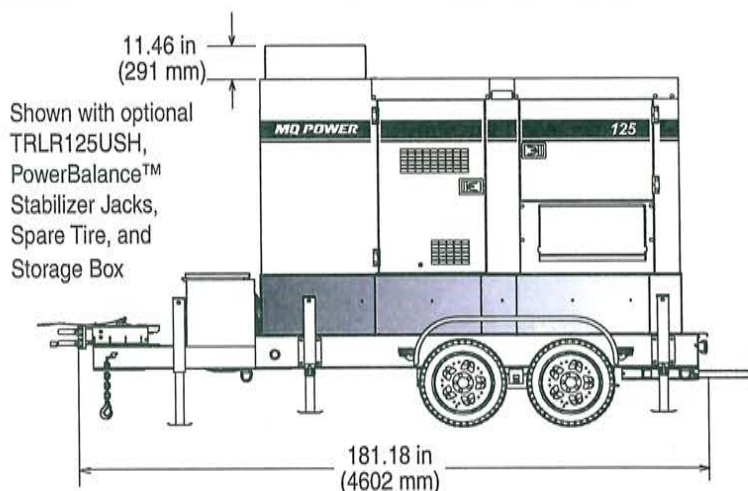
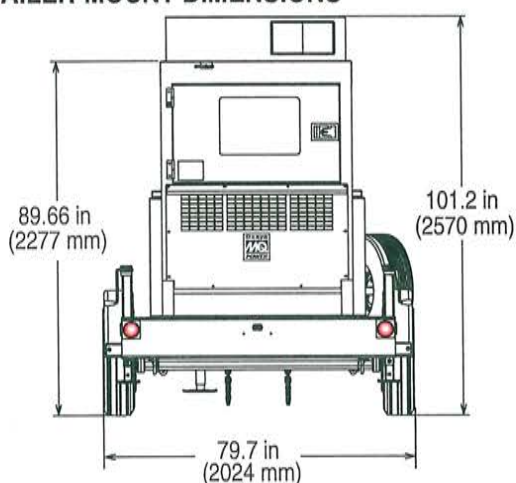


DCA125SSIU4F Generator

SKID-MOUNT DIMENSIONS



TRAILER-MOUNT DIMENSIONS



DCA125SSIU4F Weights*

Dry Weight	5,291 lbs. (2,400 kg)
Wet Weight	6,702 lbs. (3,040 kg)
Max. Lifting Point Capacity	14,050 lb. (6,370 kg)

* Weights do not include options.

DCA125SSIU4F and TRLR125US Weights*

Dry Weight (with TRLR125US)	7,013 lbs. (3,181 kg)
Wet Weight (with TRLR125US)	8,424 lbs. (3,821 kg)

Generator can be placed on MQTrailer Models TRLR125US and TRLR180XF.

NOTICE

Features and Specifications are subject to change without notice.



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DCA150SSJU4F3

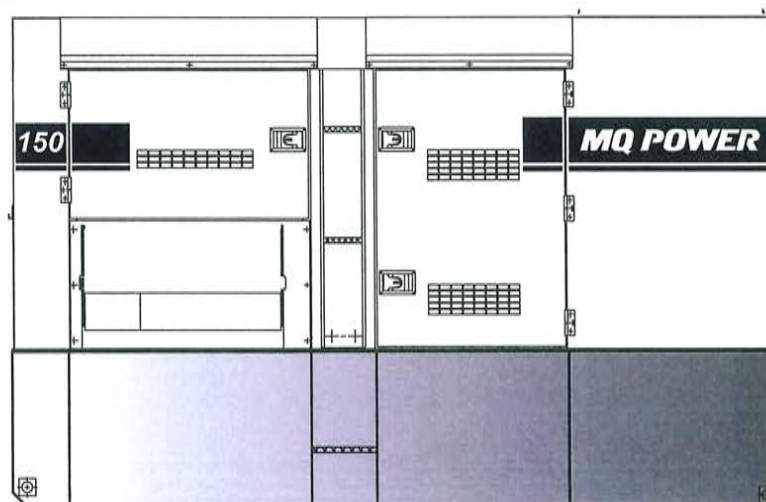
Generator

WhisperWatt™

Prime Rating — 120 kW (150 kVA)

Standby Rating — 132 kW (165 kVA)

3-Phase, 50/60 Hertz, 0.8 PF



STANDARD FEATURES

- Heavy duty, 4-cycle, electronic direct injection, turbocharged, charged air cooler, variable speed fan, 1000W block heater, diesel engine provides maximum reliability.
- EPA emissions certified — Tier 4 Final emissions compliant.
- Microprocessor engine control system maintains frequency to $\pm 0.25\%$.
- Full load acceptance of standby nameplate rating in a single step.
- Fuel/water separator removes condensation from fuel for extended engine life. Panel mounted alarm light included.
- Sound attenuated, weather resistant, steel housing provides operation at 66 dB(A) at 23 feet. Fully lockable enclosure allows safe unattended operation.
- E-coat and powder coat paint provides durability and weather protection.
- UN31A internal fuel tank with direct reading fuel gauges are standard.
- Spill Containment — Bunded design protects environment by capturing up to 110% of engine fluids.
- 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.
- Fully covered power panel. 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.
- ECU845 microprocessor-based digital generator controller.
 - Remote 2-wire start/stop control.
 - High visibility LCD display with heated screen and alphanumeric readout.
 - Operational temperature range of -40° to 85° C.
 - AC monitoring along with fuel and DEF level indicators.
- Digital engine gauges including oil pressure, water temperature, battery volts, engine speed, engine load, fuel level and DEF level.
- Analog generator instrumentation including AC ammeter, AC voltmeter, frequency meter, ammeter phase selector switch, voltmeter phase selector switch, and voltage regulator adjustment potentiometer.
- Dual frequency capability allows for operation at 50 Hz or 60 Hz.
- Automatic safety shutdown system monitors the water temperature, engine oil pressure, low coolant, low DEF, overspeed, and overcrank. Warning lights indicate abnormal conditions.
- Emergency stop switch — When manually activated, shuts down generator in the event of an emergency.



DCA150SSJU4F3

Generator

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	50/60 Hz	
Winding Pitch	2/3	
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	66	

Engine Specifications

Make / Model	John Deere / 6068HFG05	
Emissions	EPA Tier 4 Final Certified	
Starting System	Electric	
Design	4-cycle, water cooled, direct injection, turbocharged, charged air cooled, EGR, DOC, and SCR.	
Displacement	414.96 in ³ (6.8 liters)	
No. cylinders	6	
Bore x Stroke	4.17 x 5.0 in. (106 x 127 mm)	
Gross Engine Power Output	215 hp (160 kW)	
BMEP	210 psi (1446 kPa)	
Piston Speed	1500 ft/min (7.62 m/s)	
Compression Ratio	17.2 : 1	
Engine Speed	1800 rpm	
Overspeed Limit	2070 rpm	
Oil Capacity	8.58 gallons (32.5 liters)	
Battery	12V 150Ah x 1	

Fuel System

Recommended Fuel	ASTM-D975-No.1 & No.2-D*	
Maximum Fuel Flow (per hour)	37.5 gallons (142 liters)	
Maximum Inlet Restriction (Hg)	8.9 in (225 mm)	
Fuel Tank Capacity	319 gallons (1210 liters)	
Fuel Consumption	gph	lph
At full load	8.9	33.7
At 3/4 load	7.21	27.3
At 1/2 load	5.42	20.5
At 1/4 load	3.94	14.9
DEF Tank Capacity	29.8 gallons (112.9 liters)	

* - Use ultra-low sulfur diesel fuel.

Cooling System

Fan Load	6.4 hp (4.8 kW)
Coolant Capacity (with radiator)	12.9 gallons (48.7 liters)
Coolant Flow Rate (per minute)	111 gallons (420 liters)
Heat Rejection to Coolant (per minute)	6,375 Btu (6.72 MJ)
Maximum Coolant Friction Head	7.3 psi (50 kPa)
Maximum Coolant Static Head	78.7 ft. (24.1 m)
Ambient Temperature Rating	104°F (40°C)

Air

Combustion Air	403 cfm (11.4 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	7,050 cfm (200 m ³ /min)

Exhaust System

Gas Flow (full load)	812 cfm (23 m ³ /min)
Gas Temperature	685°F (363°C)
Maximum Back Pressure	39 in. H ₂ O (9.7 kPa)

Amperage

Rated Voltage	Maximum Amps
1Ø 120 Volt	361 Amps x 2 (Zigzag)
1Ø 240 Volt	361 Amps (Zigzag)
3Ø 208 Volt	361 Amps
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*

John Deere Engine

12 months from date of purchase with unlimited hours or 24 months and prior to the accumulation of 2000 hours (whichever occurs 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

Specifications sheet is subject to change and is not intended for use in installation design.



DCA150SSJU4F3

Generator

MQ POWER DECIBEL LEVELS

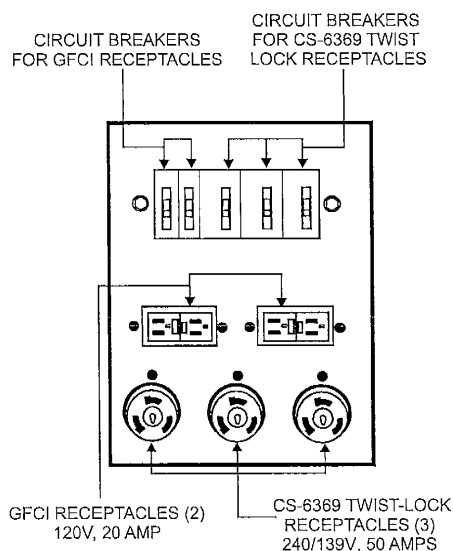
Our soundproof housing allows substantially lower operating noise levels than competitive designs. WhisperWatts are at home on construction sites, in residential neighborhoods, and at hospitals — just about anywhere.

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

WhisperWatt at 23 feet

66.0
DECIBELS

GENERATOR OUTPUT PANEL



OPTIONAL GENERATOR FEATURES

- **Parallel Controls** — provides the ability to connect multiple generators together into a single power generation system.
- **PowerBalance™** — designed to assist generators when operating under low temperature and/or low load conditions to insure peak performance.
- **Battery Charger** — provides fully automatic and self-adjusting charging to the generator's battery system.
- **Crankcase Vent Blanket with Heating Element** — insures proper crankcase ventilation in freezing conditions. (Unit comes standard with a non-heated crankcase blanket)
- **Trailer Mounted Package** — meets National Highway Traffic Safety Administration (NHTSA) regulations. Trailer is equipped with electronic or surge brakes on all axles.

OPTIONAL CONTROL FEATURES

- **Audible Alarm** alerts operator of abnormal conditions.

OPTIONAL FUEL CELL FEATURES

- **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

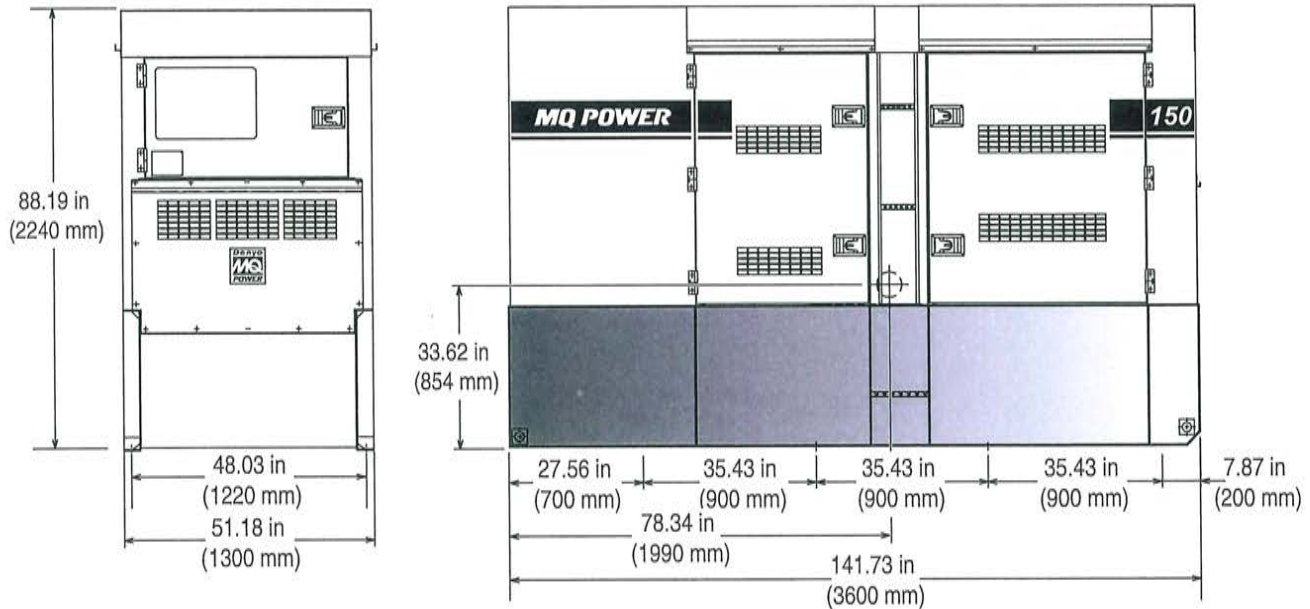
- **Cam-Lok Connectors** — provides quick disconnect alternative to bolt-on connectors.
- **Pin and Sleeve Connectors** — provides industry standard connectors for all voltage requirements.
- **Output Cable** — available in any custom length and size configuration.



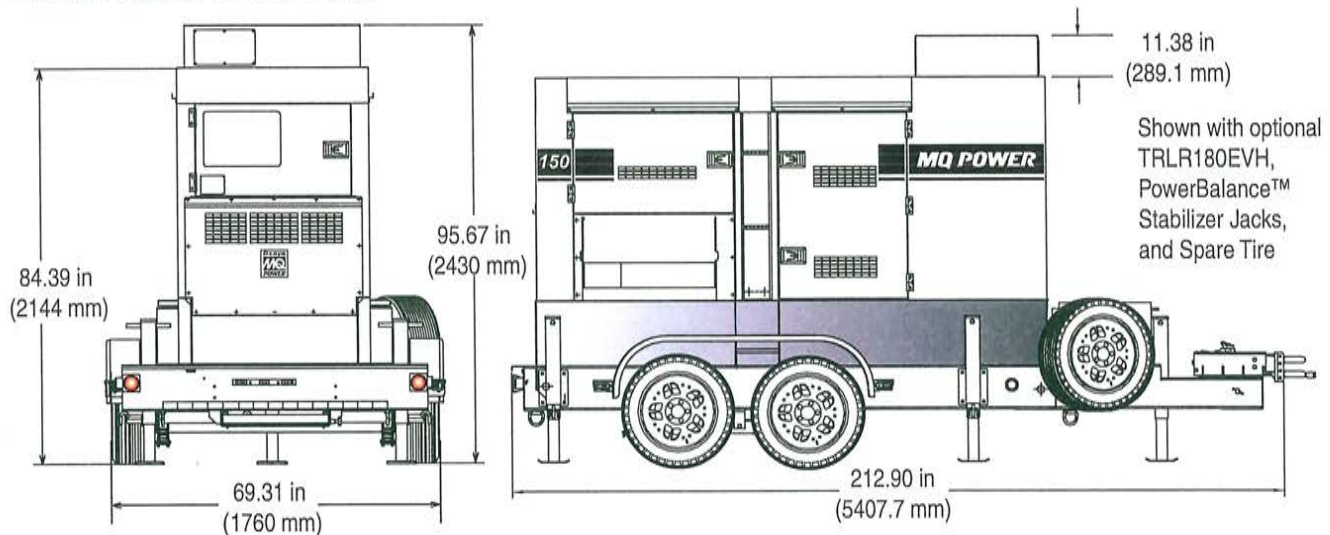
DCA150SSJU4F3

Generator

SKID-MOUNT DIMENSIONS



TRAILER-MOUNT DIMENSIONS



DCA150SSJU4F3 Weights*

Dry Weight	8,201 lbs. (3,720 kg)
Wet Weight	10,869 lbs. (4,930 kg)
Max. Lifting Point Capacity	16,500 lbs. (7,483 kg)

* Weights do not include options.

DCA150SSJU4F3 and TRLR180EV Weights*

Dry Weight (with TRLR180EV)	10,761 lbs. (4,881 kg)
Wet Weight (with TRLR180EV)	13,429 lbs. (6,091 kg)

Generator can be placed on MQ Trailer Model TRLR180EV (H/E) and TRLR220EV (H/E).

NOTICE

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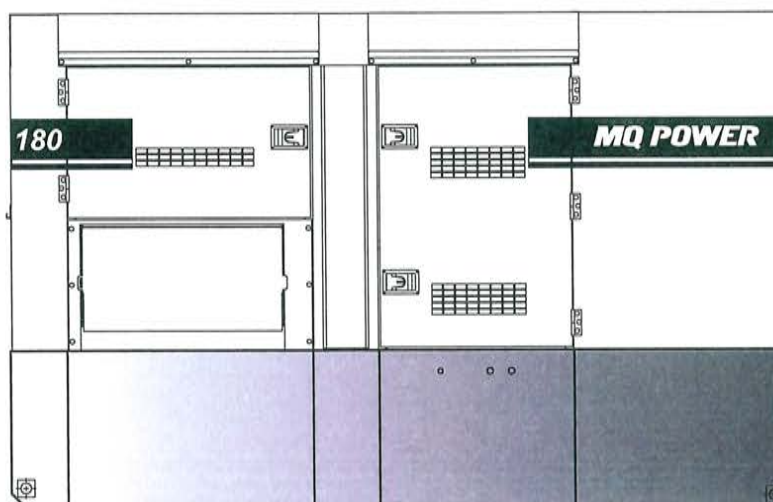
Generator

WhisperWatt™

Prime Rating — 144 kW (180 kVA)

Standby Rating — 158 kW (198 kVA)

3-Phase, 50/60 Hertz, 0.8 PF



STANDARD FEATURES

- Heavy duty, 4-cycle, electronic direct injection, turbocharged, charged air cooler, variable speed fan, 1000W block heater, diesel engine provides maximum reliability.
- EPA emissions certified — Tier 4 Final emissions compliant.
- Microprocessor engine control system maintains frequency to $\pm 0.25\%$.
- Full load acceptance of standby nameplate rating in a single step.
- Fuel/water separator removes condensation from fuel for extended engine life. Panel mounted alarm light included.
- Sound attenuated, weather resistant, steel housing provides operation at 70 dB(A) at 23 feet. Fully lockable enclosure allows safe unattended operation.
- E-coat and powder coat paint provides durability and weather protection.
- UN31A internal fuel tank with direct reading fuel gauges are standard.
- Spill Containment — Bunded design protects environment by capturing up to 110% of engine fluids.
- 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.
- Fully covered power panel. 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.
- ECU845 microprocessor-based digital generator controller.
 - Remote 2-wire start/stop control.
 - High visibility LCD display with heated screen and alphanumeric readout.
 - Operational temperature range of -40° to 85° C.
 - AC monitoring along with fuel and DEF level indicators.
- Digital engine gauges including oil pressure, water temperature, battery volts, engine speed, engine load, fuel level and DEF level.
- Analog generator instrumentation including AC ammeter, AC voltmeter, frequency meter, ammeter phase selector switch, voltmeter phase selector switch, and voltage regulator adjustment potentiometer.
- Dual frequency capability allows for operation at 50 Hz or 60 Hz.
- Automatic safety shutdown system monitors the water temperature, engine oil pressure, low coolant, low DEF, overspeed, and overcrank. Warning lights indicate abnormal conditions.
- Emergency stop switch — when manually activated, shuts down generator in the event of an emergency.



DCA180SSJU4F3

Generator

SPECIFICATIONS

Generator Specifications

Design	Revolving field, self-ventilated Drip-proof, single bearing
Armature Connection	Star with Neutral
Phase	3
Standby Output	158 KW (198 KVA)
Prime Output	144 KW (180 KVA)
3Ø Voltage (L-L/L-N) Voltage Change-Over Bus Bars at 3Ø 240/139	208Y/120, 220Y/127, 240Y/139
3Ø Voltage (L-L/L-N) Voltage Change-Over Bus Bars at 3Ø 480/277	416Y/240, 440Y/254, 480Y/277
1Ø Voltage (L-L/L-N) Voltage Change-Over Bus Bars at 1Ø 240/120	N/A
Power Factor	0.8
Voltage Regulation (No load to full load)	±0.5%
Generator RPM	1800
Frequency	50/60 Hz
Winding Pitch	2/3
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	70

Engine Specifications

Make / Model	John Deere / 6068HFG05
Emissions	EPA Tier 4 Final Certified
Starting System	Electric
Design	4-cycle, water cooled, direct injection, turbocharged, charged air cooled, EGR, DOC, and SCR.
Displacement	414.96 in ³ (6.8 liters)
No. cylinders	6
Bore x Stroke	4.17 x 5.0 in. (106 x 127 mm)
Gross Engine Power Output	257 hp (192 kW)
BMEP	252 psi (1736 kPa)
Piston Speed	1500 ft/min (7.62 m/s)
Compression Ratio	17.2 : 1
Engine Speed	1800 rpm
Overspeed Limit	2070 rpm
Oil Capacity	8.58 gallons (32.5 liters)
Battery	12V 150Ah x 1

Fuel System

Recommended Fuel	ASTM-D975-No.1 & No.2-D*	
Maximum Fuel Flow (per hour)	27.7 gallons (105 liters)	
Maximum Inlet Restriction (Hg)	8.9 in (225 mm)	
Fuel Tank Capacity	319 gallons (1210 liters)	
Fuel Consumption	gph	lph
At full load	10.1	38.3
At 3/4 load	7.8	29.4
At 1/2 load	5.8	21.8
At 1/4 load	4.0	15.2
DEF Tank Capacity	29.8 gallons (112.9 liters)	
* - Use ultra-low sulfur diesel fuel.		

Cooling System

Fan Load	7.8 hp (5.8 kW)
Coolant Capacity (with radiator)	10.5 gallons (39.7 liters)
Coolant Flow Rate (per minute)	111 gallons (420 liters)
Heat Rejection to Coolant (per minute)	7,229 Btu (7.63 MJ)
Maximum Coolant Friction Head	7.3 psi (50 kPa)
Maximum Coolant Static Head	78.6 ft. (24.0 m)
Ambient Temperature Rating	104°F (40°C)

Air

Combustion Air	466 cfm (13.2 m ³ /min)
Maximum Air Cleaner Restriction	25 in. H ₂ O (6.25 kPa)
Alternator Cooling Air	1459 cfm (41.3 m ³ /min)
Radiator Cooling Air	9,400 cfm (266.2 m ³ /min)

Exhaust System

Gas Flow (full load)	961 cfm (27.2 m ³ /min)
Gas Temperature	756°F (402°C)
Maximum Back Pressure	51 in. H ₂ O (12.8 kPa)

Amperage

Rated Voltage	Maximum Amps
1Ø 120 Volt	400 Amps (4 wire)
1Ø 240 Volt	200 Amps (4 wire)
3Ø 208 Volt	433 Amps
3Ø 240 Volt	433 Amps
3Ø 480 Volt	216 Amps
Main Line Circuit Breaker Rating	500 Amps
Over Current Relay Trip Set Point 480V Mode Only	216 Amps

WARRANTY*

John Deere Engine

12 months from date of purchase with unlimited hours or 24 months and prior to the accumulation of 2000 hours (whichever occurs 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

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DCA180SSJU4F3

Generator

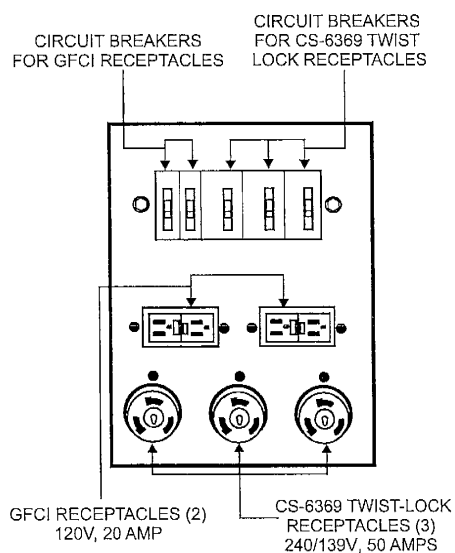
MQ POWER DECIBEL LEVELS

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



GENERATOR OUTPUT PANEL



OPTIONAL GENERATOR FEATURES

- **Parallel Controls** — provides the ability to connect multiple generators together into a single power generation system.
- **PowerBalance™** — designed to assist generators when operating under low temperature and/or low load conditions to insure peak performance.
- **BatteryCharger** — provides fully automatic and self-adjusting charging to the generator's battery system.
- **Crankcase Vent Blanket with Heating Element** — insures proper crankcase ventilation in freezing conditions. (Unit comes standard with a non-heated crankcase blanket)
- **Trailer Mounted Package** — meets National Highway Traffic Safety Administration (NHTSA) regulations. Trailer is equipped with electronic or surge brakes on all axles.

OPTIONAL CONTROL FEATURES

- **Audible Alarm** alerts operator of abnormal conditions.

OPTIONAL FUEL CELL FEATURES

- **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

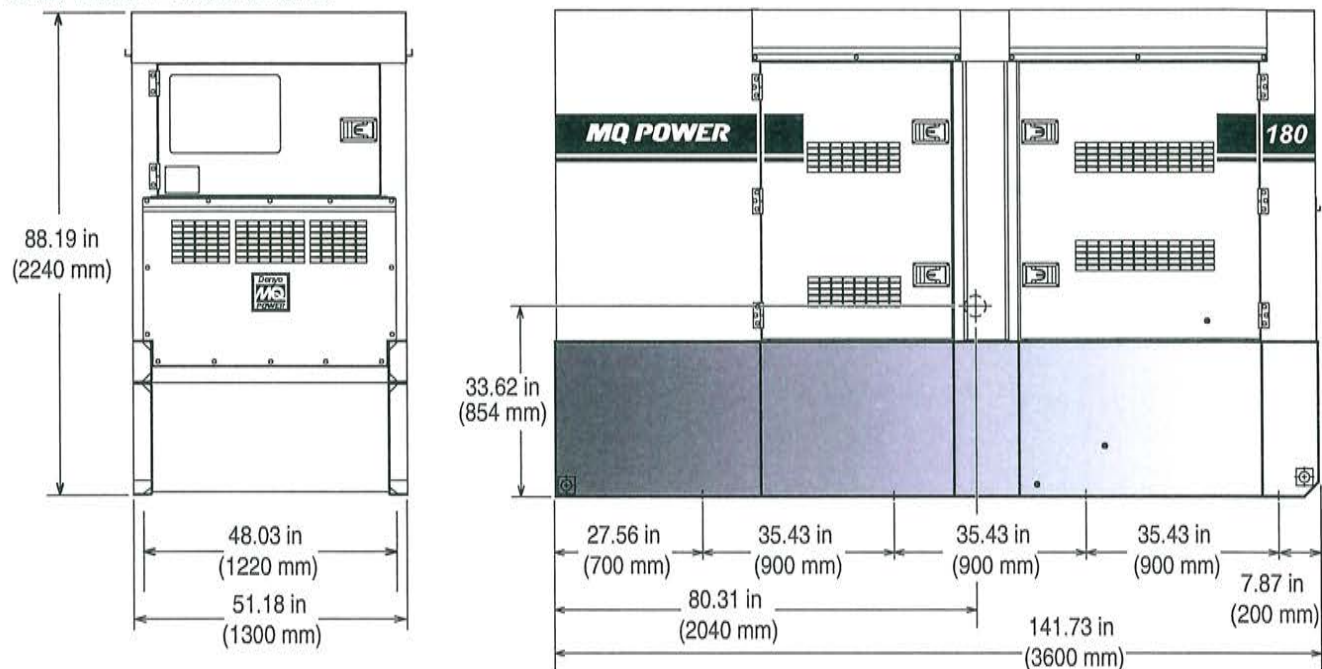
- **Cam-Lok Connectors** — provides quick disconnect alternative to bolt-on connectors.
- **Pin and Sleeve Connectors** — provides industry standard connectors for all voltage requirements.
- **Output Cable** — available in any custom length and size configuration.



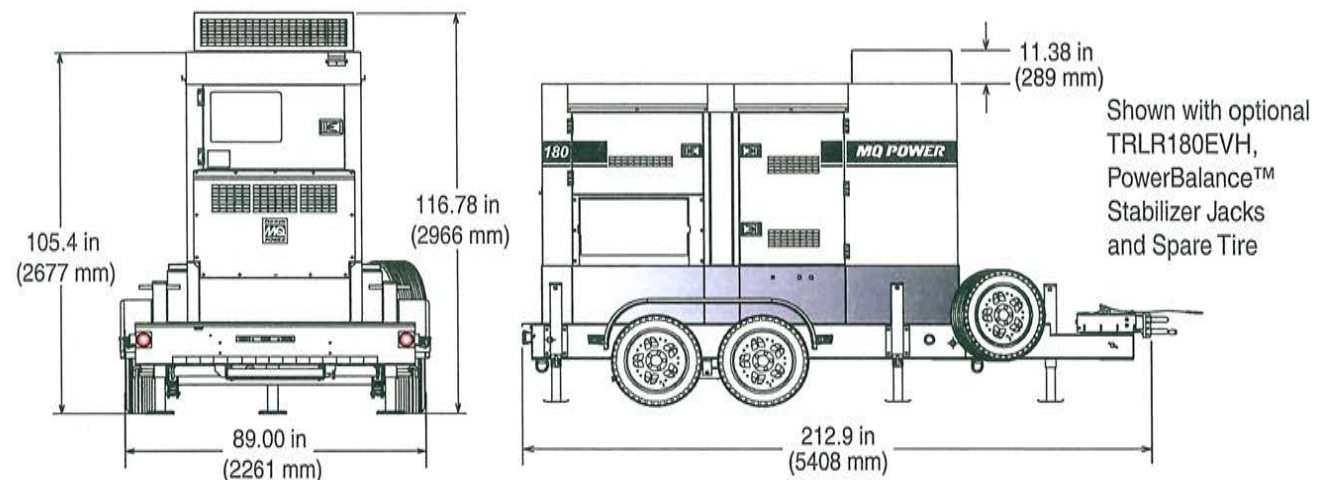
DCA180SSJU4F3

Generator

SKID-MOUNT DIMENSIONS



TRAILER-MOUNT DIMENSIONS



DCA180SSJU4F Weights*

Dry Weight	8,532 lbs. (3,870 kg)
Wet Weight	11,266 lbs. (5,110 kg)
Max. Lifting Point Capacity	16,500 lbs. (7,483 kg)

* Weights do not include options.

DCA180SSJU4F and TRLR180EV Weights*

Dry Weight (with TRLR180EV)	10,737 lbs. (4870 kg)
Wet Weight (with TRLR180EV)	13,471 lbs. (6,110 kg)

Generator can be placed on MQ Trailer Model TRLR180EV (H/E) and TRLR220EV (H/E).

NOTICE

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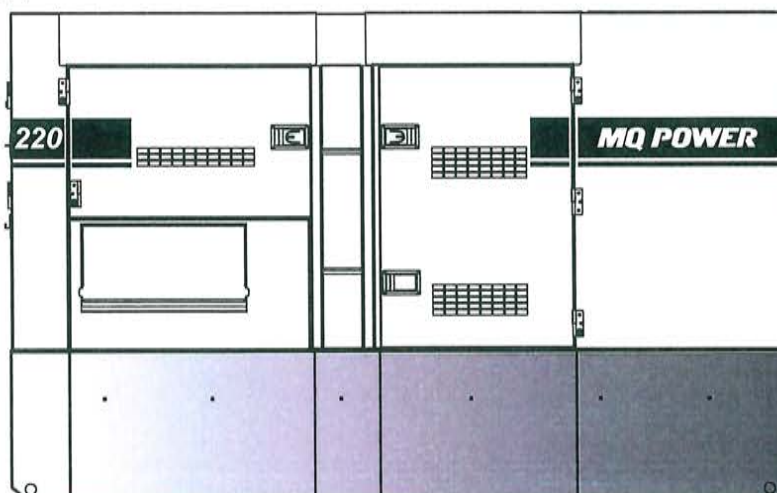
Generator

WhisperWatt™

Prime Rating — 176 kW (220 kVA)

Standby Rating — 194 kW (242 kVA)

3-Phase, 50/60 Hertz, 0.8 PF



STANDARD FEATURES

- Heavy duty, 4-cycle, electronic direct injection, turbocharged, charged air cooler, variable speed fan, 1000W block heater, diesel engine provides maximum reliability.
- EPA emissions certified — Tier 4 Final emissions compliant.
- Microprocessor engine control system maintains frequency to $\pm 0.25\%$.
- Full load acceptance of standby nameplate rating in a single step.
- Fuel/water separator removes condensation from fuel for extended engine life. Panel mounted alarm light included.
- Sound attenuated, weather resistant, steel housing provides operation at 69 dB(A) at 23 feet. Fully lockable enclosure allows safe unattended operation.
- E-coat and powder coat paint provides durability and weather protection.
- UN31A internal fuel tank with direct reading fuel gauges are standard.
- Spill Containment — Bunded design protects environment by capturing up to 122% of engine fluids.
- 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.
- Fully covered power panel. 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.
- ECU845 microprocessor-based digital generator controller.
 - Remote 2-wire start/stop control.
 - High visibility LCD display with heated screen and alphanumeric readout.
 - Operational temperature range of -40° to 85° C.
 - AC monitoring along with fuel and DEF level indicators.
- Digital engine gauges including oil pressure, water temperature, battery volts, engine speed, engine load, fuel level and DEF level.
- Analog generator instrumentation including AC ammeter, AC voltmeter, frequency meter, ammeter phase selector switch, voltmeter phase selector switch, and voltage regulator adjustment potentiometer.
- Dual frequency capability allows for operation at 50 Hz or 60 Hz.
- Automatic safety shutdown system monitors the water temperature, engine oil pressure, low coolant, low DEF, overspeed, and overcrank. Warning lights indicate abnormal conditions.
- Emergency stop switch — when manually activated, shuts down generator in the event of an emergency.



DCA220SSJU4F3

Generator

SPECIFICATIONS

Generator Specifications

Design	Revolving field, self-ventilated Drip-proof, single bearing
Armature Connection	Star with Neutral
Phase	3
Standby Output	194 KW (242 KVA)
Prime Output	176 KW (220 KVA)
3Ø Voltage (L-L/L-N) Voltage Change-Over Bus Bars at 3Ø 240/139	208Y/120, 220Y/127, 240Y/139
3Ø Voltage (L-L/L-N) Voltage Change-Over Bus Bars at 3Ø 480/277	416Y/240, 440Y/254, 480Y/277
1Ø Voltage (L-L/L-N) Voltage Change-Over Bus Bars at 1Ø 240/120)	N/A
Power Factor	0.8
Voltage Regulation (No load to full load)	±0.5%
Generator RPM	1800
Frequency	50/60 Hz
Winding Pitch	2/3
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	69

Engine Specifications

Make / Model	John Deere / 6068HFG06
Emissions	EPA Tier 4 Final Certified
Starting System	Electric
Design	4-cycle, water cooled, direct injection, turbocharged, charged air cooled, EGR, DOC, and SCR.
Displacement	414.96 in ³ (6.8 liters)
No. cylinders	6
Bore x Stroke	4.17 x 5.0 in. (106 x 127 mm)
Gross Engine Power Output	323 hp (241 kW)
BMEP	316 psi (2180 kPa)
Piston Speed	1500 ft/min (7.62 m/s)
Compression Ratio	17.2 : 1
Engine Speed	1800 rpm
Overspeed Limit	2070 rpm
Oil Capacity	8.58 gallons (32.5 liters)
Battery	12V 150Ah x 1

Fuel System

Recommended Fuel	ASTM-D975-No.1 & No.2-D*	
Maximum Fuel Flow (per hour)	44.3 gallons (168 liters)	
Maximum Inlet Restriction (Hg)	8.9 in (225 mm)	
Fuel Tank Capacity	319 gallons (1210 liters)	
Fuel Consumption	gph	lph
At full load	12.0	45.5
At 3/4 load	9.4	35.5
At 1/2 load	6.9	26.1
At 1/4 load	4.6	17.3
DEF Tank Capacity	29.8 gallons (112.8 liters)	

* - Use ultra-low sulfur diesel fuel.

Cooling System

Fan Load	9.6 hp (7.2 kW)
Coolant Capacity (with radiator)	12.9 gallons (48.7 liters)
Coolant Flow Rate (per minute)	119 gallons (450 liters)
Heat Rejection to Coolant (per minute)	6,944 Btu (7.33 MJ)
Maximum Coolant Friction Head	7.3 psi (50 kPa)
Maximum Coolant Static Head	78.6 ft. (24.0 m)
Ambient Temperature Rating	104°F (40°C)

Air

Combustion Air	537 cfm (15.2 m ³ /min)
Maximum Air Cleaner Restriction	25 in. H ₂ O (6.25 kPa)
Alternator Cooling Air	1459 cfm (41.3 m ³ /min)
Radiator Cooling Air	9,450 cfm (267.5 m ³ /min)

Exhaust System

Gas Flow (full load)	1119 cfm (31.7 m ³ /min)
Gas Temperature	752°F (400°C)
Maximum Back Pressure	78 in. H ₂ O (19.6 kPa)

Amperage

Rated Voltage	Maximum Amps
1Ø 120 Volt	488.9 Amps (4 wire)
1Ø 240 Volt	244.4 Amps (4 wire)
3Ø 208 Volt	529 Amps
3Ø 240 Volt	529 Amps
3Ø 480 Volt	264 Amps
Main Line Circuit Breaker Rating	600 Amps
Over Current Relay Trip Set Point 480V Mode Only	256 Amps

WARRANTY*

John Deere Engine

12 months from date of purchase with unlimited hours or 24 months and prior to the accumulation of 2000 hours (whichever occurs 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

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DCA220SSJU4F3

Generator

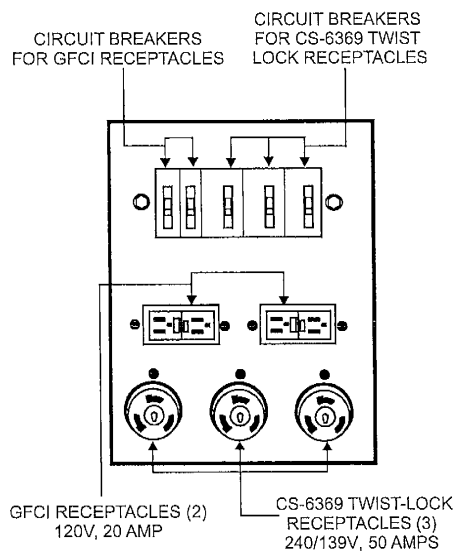
MQ POWER DECIBEL LEVELS

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
- 60 — Air conditioner at 20 feet
- 50 — Normal conversation

69.0
DECIBELS

GENERATOR OUTPUT PANEL



OPTIONAL GENERATOR FEATURES

- **Parallel Controls** — provides the ability to connect multiple generators together into a single power generation system.
- **PowerBalance™** — designed to assist generators when operating under low temperature and/or low load conditions to insure peak performance.
- **Battery Charger** — provides fully automatic and self-adjusting charging to the generator's battery system.
- **Crankcase Vent Blanket with Heating Element** — insures proper crankcase ventilation in freezing conditions. (Unit comes standard with a non-heated crankcase blanket)
- **Trailer Mounted Package** — meets National Highway Traffic Safety Administration (NHTSA) regulations. Trailer is equipped with electronic or surge brakes on all axles.

OPTIONAL CONTROL FEATURES

- **Audible Alarm** — alerts operator of abnormal conditions.

OPTIONAL FUEL CELL FEATURES

- **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.

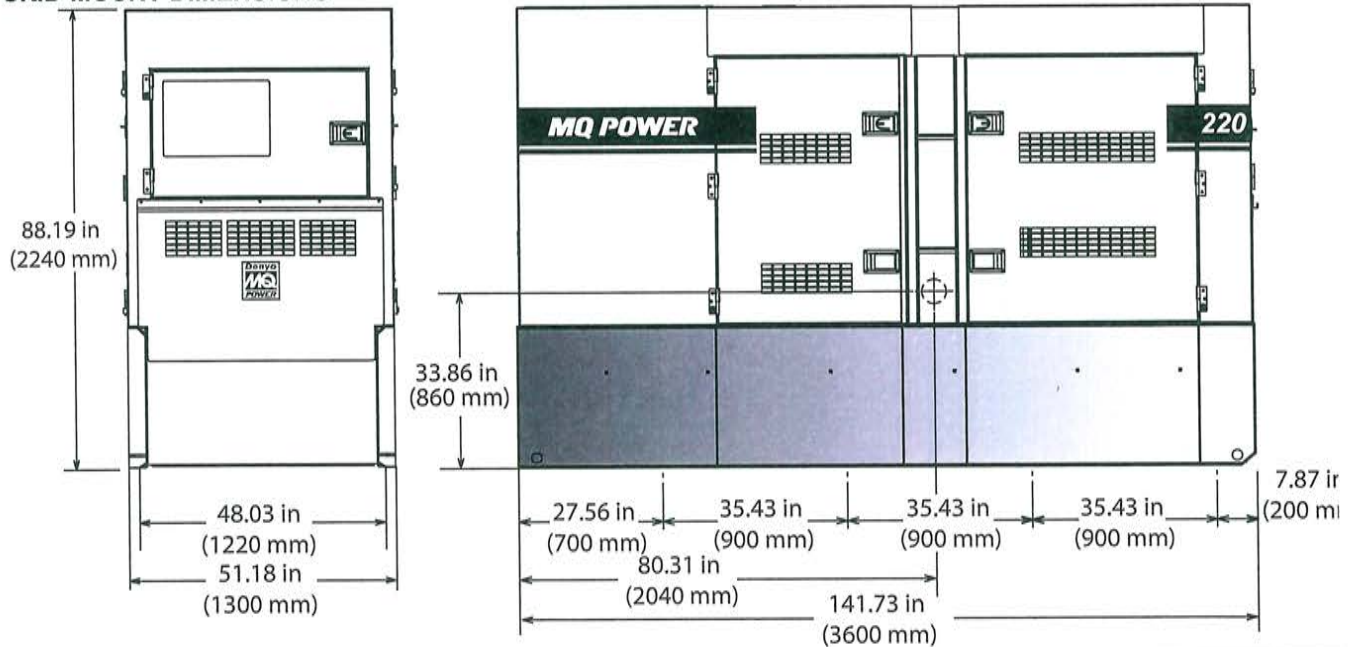
OPTIONAL OUTPUT CONNECTIONS

- **Cam-Lok Connectors** — 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.

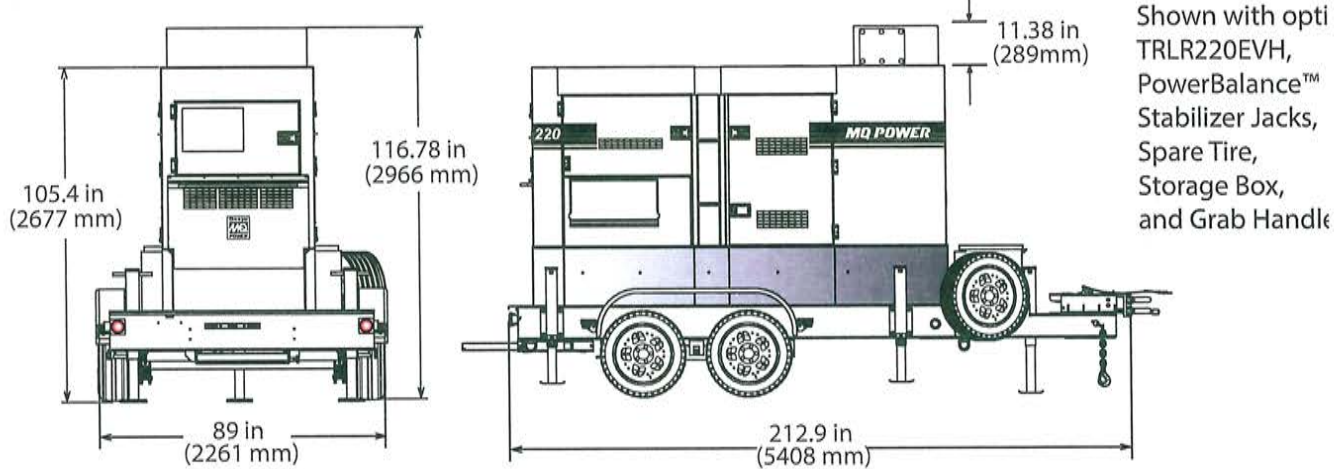


DCA220SSJU4F3 Generator

SKID-MOUNT DIMENSIONS



TRAILER-MOUNT DIMENSIONS



DCA220SSJU4F3 Weights*

Dry Weight	8,399 lbs. (3,810 kg)
Wet Weight	11,111 lbs. (5,040 kg)
Max. Lifting Point Capacity	16,500 lbs. (7,483 kg)

* Weights do not include options.

DCA220SSJU4F3 and TRLR220EV Weights*

Dry Weight (with TRLR220EV)	10,780 lbs. (4890 kg)
Wet Weight (with TRLR220EV)	13,492 lbs. (6,120 kg)

Generator can be placed on MQ
Trailer Model TRLR220EV (H/E).

NOTICE

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subject to change without notice.



MULTIQUIP
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DCA300SSJU4F3

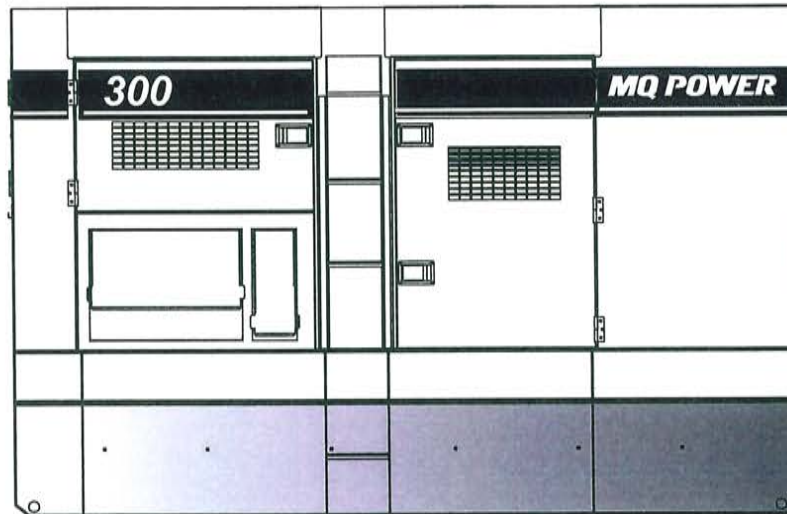
Generator

WhisperWatt™

Prime Rating — 240 kW (300 kVA)

Standby Rating — 264 kW (330 kVA)

3-Phase, 50/60 Hertz, 0.8 PF



STANDARD FEATURES

- Heavy duty, 4-cycle, electronic direct injection, turbocharged, charged air cooler, variable speed fan, 1000W block heater, diesel engine provides maximum reliability.
- EPA emissions certified — Tier 4 Final emissions compliant.
- Microprocessor engine control system maintains frequency to $\pm 0.25\%$.
- Full load acceptance of standby nameplate rating in a single step.
- Fuel/water separator removes condensation from fuel for extended engine life. Panel mounted alarm light included.
- Sound attenuated, weather resistant, steel housing provides operation at 72 dB(A) at 23 feet. Fully lockable enclosure allows safe unattended operation.
- E-coat and powder coat paint provides durability and weather protection.
- UN31A internal fuel tank with direct reading fuel gauges are standard.
- Spill Containment — Bunded design protects environment by capturing up to 123% of engine fluids.
- 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.
- Fully covered power panel. 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.
- ECU845 microprocessor-based digital generator controller.
 - Remote 2-wire start/stop control.
 - High visibility LCD display with heated screen and alphanumeric readout.
 - Operational temperature range of -40° to 85° C.
 - AC monitoring along with fuel and DEF level indicators.
- Digital engine gauges including oil pressure, water temperature, battery volts, engine speed, engine load, fuel level and DEF level.
- Analog generator instrumentation including AC ammeter, AC voltmeter, frequency meter, ammeter phase selector switch, voltmeter phase selector switch, and voltage regulator adjustment potentiometer.
- Dual frequency capability allows for operation at 50 Hz or 60 Hz.
- Automatic safety shutdown system monitors the water temperature, engine oil pressure, low coolant, low DEF, overspeed, and overcrank. Warning lights indicate abnormal conditions.
- Emergency stop switch — when manually activated, shuts down generator in the event of an emergency.



DCA300SSJU4F3

Generator

SPECIFICATIONS

Generator Specifications	
Design	Revolving field, self-ventilated Drip-proof, single bearing
Armature Connection	Star with Neutral
Phase	3
Standby Output	264 KW (330 KVA)
Prime Output	240 KW (300 KVA)
3Ø Voltage (L-L/L-N) Voltage Change-Over Bus Bars at 3Ø 240/139	208Y/120, 220Y/127, 240Y/139
3Ø Voltage (L-L/L-N) Voltage Change-Over Bus Bars at 3Ø 480/277	416Y/240, 440Y/254, 480Y/277
1Ø Voltage (L-L/L-N) Voltage Change-Over Bus Bars at 1Ø 240/120	N/A
Power Factor	0.8
Voltage Regulation (No load to full load)	±0.5%
Generator RPM	1800
Frequency	50/60 Hz
Winding Pitch	2/3
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	72

Engine Specifications	
Make / Model	John Deere / 6090HFG06
Emissions	EPA Tier 4 Final Certified
Starting System	Electric
Design	4-cycle, water cooled, direct injection, turbocharged, charged air cooled, EGR, DOC, and SCR.
Displacement	549.2 in ³ (9.0 liters)
No. cylinders	6
Bore x Stroke	4.64 x 5.34 in. (118.4 x 136 mm)
Gross Engine Power Output	437 hp (326 kW)
BMEP	320 psi (2212 kPa)
Piston Speed	1606 ft/min (8.16 m/s)
Compression Ratio	16.0 : 1
Engine Speed	1800 rpm
Overspeed Limit	2070 rpm
Oil Capacity	9.3 gallons (35 liters)
Battery	12V 430Ah x 1

Fuel System		
Recommended Fuel	ASTM-D975-No.1 & No.2-D*	
Maximum Fuel Flow (per hour)	43 gallons (163.1 liters)	
Maximum Inlet Restriction (Hg)	5.9 in (150 mm)	
Fuel Tank Capacity	430.6 gallons (1630 liters)	
Fuel Consumption	gph	lph
At full load	16.7	63.2
At 3/4 load	12.5	47.4
At 1/2 load	8.9	33.8
At 1/4 load	5.8	21.9
DEF Tank Capacity	29.8 gallons (112.8 liters)	
* - Use ultra-low sulfur diesel fuel.		

Cooling System	
Fan Load	26.8 hp (20 kW)
Coolant Capacity (with radiator)	17.7 gallons (67 liters)
Coolant Flow Rate (per minute)	102 gallons (385 liters)
Heat Rejection to Coolant (per minute)	10,473 Btu (11.05 MJ)
Maximum Coolant Friction Head	8.7 psi (60 kPa)
Maximum Coolant Static Head	78.7 ft. (24.1 m)
Ambient Temperature Rating	104°F (40°C)

Air	
Combustion Air	742 cfm (21.0 m ³ /min)
Maximum Air Cleaner Restriction	25 in. H ₂ O (6.25 kPa)
Alternator Cooling Air	2797 cfm (79.0 m ³ /min)
Radiator Cooling Air	11,800 cfm (334.1 m ³ /min)

Exhaust System	
Gas Flow (full load)	1,448 cfm (41.0 m ³ /min)
Gas Temperature	831°F (444°C)
Maximum Back Pressure	116 in. H ₂ O (29 kPa)

Amperage	
Rated Voltage	Maximum Amps
1Ø 120 Volt	666.7 Amps (4 wire)
1Ø 240 Volt	333.3 Amps (4 wire)
3Ø 208 Volt	722 Amps
3Ø 240 Volt	722 Amps
3Ø 480 Volt	360 Amps
Main Line Circuit Breaker Rating	800 Amps
Over Current Relay Trip Set Point 480V Mode Only	361 Amps

WARRANTY*

John Deere Engine

12 months from date of purchase with unlimited hours or 24 months and prior to the accumulation of 2000 hours (whichever occurs first).

Generator

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

Trailer

12 months excluding normal wear items.

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DCA300SSJU4F3

Generator

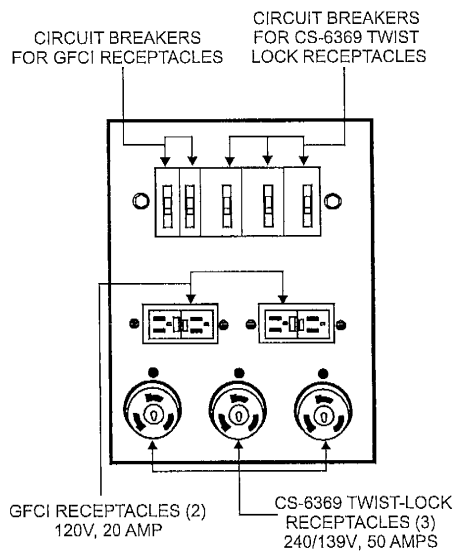
MQ POWER DECIBEL LEVELS

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

72.0
DECIBELS

GENERATOR OUTPUT PANEL



OPTIONAL GENERATOR FEATURES

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- **Battery Charger** — provides fully automatic and self-adjusting charging to the generator's battery system.
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OPTIONAL CONTROL FEATURES

- **Audible Alarm** alerts operator of abnormal conditions.

OPTIONAL FUEL CELL FEATURES

- **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.
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OPTIONAL OUTPUT CONNECTIONS

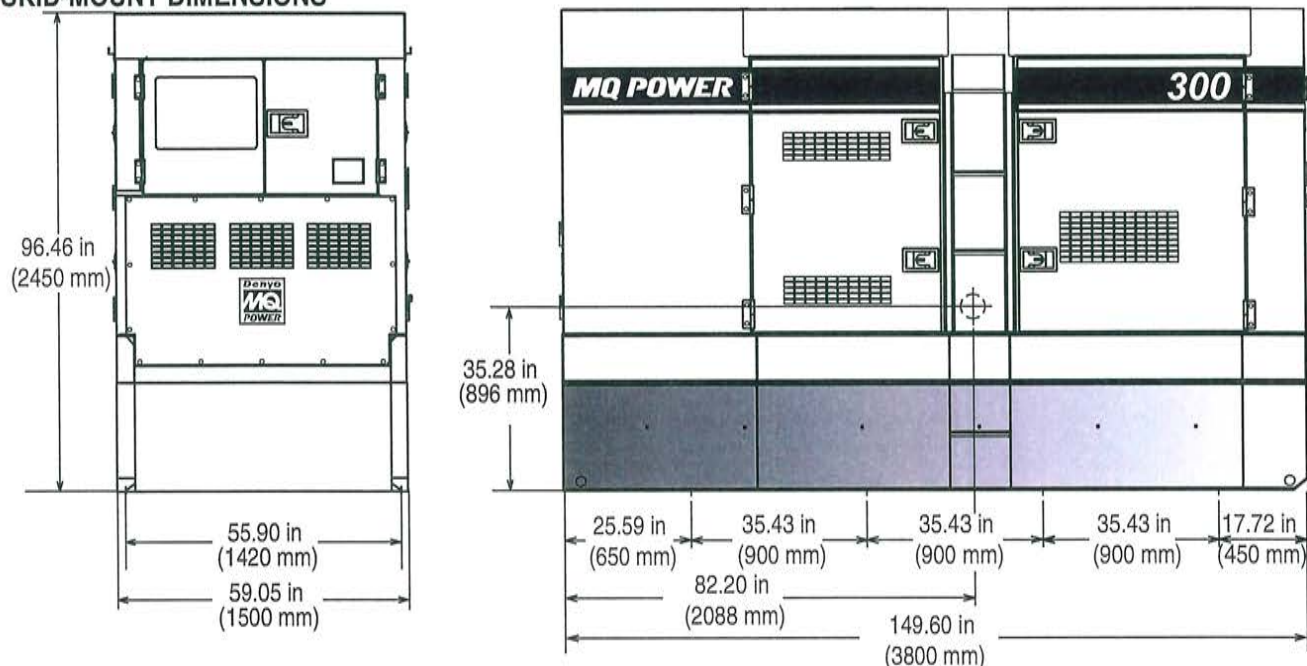
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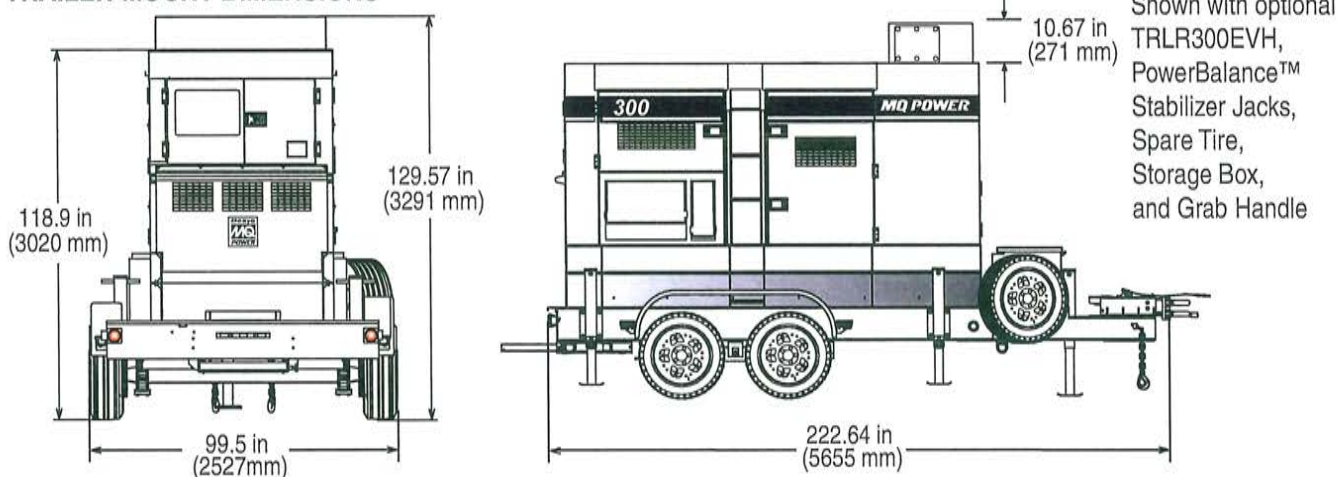
DCA300SSJU4F3

Generator

SKID-MOUNT DIMENSIONS



TRAILER-MOUNT DIMENSIONS



DCA300SSJU4F3 Weights*

Dry Weight	11,220 lbs. (5,090 kg)
Wet Weight	15,010 lbs. (6,810 kg)
Max. Lifting Point Capacity	19,000 lbs. (8,618 kg)

* Weights do not include options.

DCA300SSJU4F3 and TRLR300EV Weights*

Dry Weight (with TRLR300EV)	14,140 lbs. (6,414 kg)
Wet Weight (with TRLR300EV)	17,930 lbs. (8,133 kg)

Generator can be placed on MQ Trailer Model TRLR300EV (H/E).

NOTICE

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