Ultra-Silent 85

Model DCA-85USJ2

68 kW (85 kVA) **Prime Rating**
75 kW (94 kVA) **Standby Rating**
60 Hertz

Generator Specifications	
Standby Output	68 kW (85 kVA)
Prime Output	75 kW (94 kVA)
Voltage – 3 phase	208-240 / 416-480 Switchable
Voltage – 1 phase	120 / 240 Switchable
Voltage Regulation	± 0.5% (no load to full load)
Power Factor	0.8 (3ph) or 1.0 (1ph)
Frequency	60 Hz
Frequency Regulation	Isochronous (no load to full load)
Sound Level	63 dB(A) - Full load at 23 feet

Amperage	
Rated Voltage	**Maximum Amps**
208 - 240 Volt (3ph)	204 Amps *
416 - 480 Volt (3ph)	102 Amps *
240 / 120 Volt (1ph)	250 Amps *
Main Line Circuit Breaker	250 Amps
Over Current Relay Trip	102 Amps (3 phase operation)

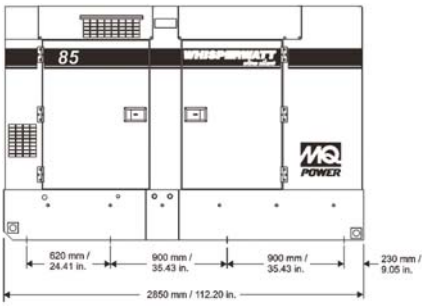
* Voltage and phase are selected by a lockable, 3-position, rotary switch.

Engine Specifications	
Engine Make / Model	John Deere / 4045HF285
Emissions	EPA Tier 3 Certified
Design – 4 cycle	6 cylinder, water cooled, turbocharged, aftercooled
Displacement	4.5 L
Bore x Stroke (mm)	106 x 127
Gross Engine Output	126 hp (93.9kW)
Engine Speed	1800 rpm
Oil capacity	3.88 gallons (14.7 liters)
Battery	12V 72Ah x 1

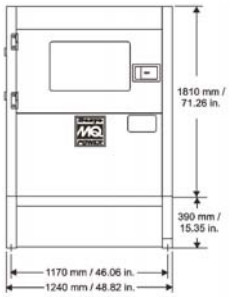
Fuel System	
Fuel Tank Capacity	126 gallons (475 liters)
Fuel Consumption	
At full load gph (lph)	5.3 (20.1)
At 3/4 load gph (lph)	4.3 (16.2)
At 1/2 load gph (lph)	3.1 (11.9)
At 1/4 load gph (lph)	2.0 (7.6)

Standard Features

■ **Heavy duty, 4-cycle, direct injection 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.
■ **Automatic safety shutdown system** monitors the engine oil pressure and water temperature. Warning lights indicate abnormal conditions.
■ **Automatic start / stop control** automatically starts the generator set during a commercial power failure when used in conjunction with a transfer switch.
■ **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.
■ **Voltage selector switch** allows easy to change voltages as your applications require.



Dry Weight = 5094 lbs.



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