WhisperWatt™ 600

Model DCA-600SSVP

480 kW (600 kVA) **Prime Rating**
528 kW (660 kVA) **Standby Rating**
60 Hertz

Associated Power Option – Parallel Operation for More Power.

Generator Specifications	
Standby Output	528 kW (660 kVA)
Prime Output	480 kW (600 kVA)
Voltage – 3 phase	208-240 / 416-480 Reconnectable*
Voltage Regulation	± 0.5% (no load to full load)
Power Factor	0.8
Frequency	60 Hz
Frequency Regulation	Isochronous (no load to full load)
Sound Level	74 dB(A) - Full load at 23 feet

Amperage	
Rated Voltage	**Maximum Amps**
208 - 240 Volt (3ph)	1443 Amps *
416 - 480 Volt (3ph)	722 Amps *
Main Line Circuit Breaker	1600 Amps
Over Current Relay Trip	722 Amps (protects all settings)

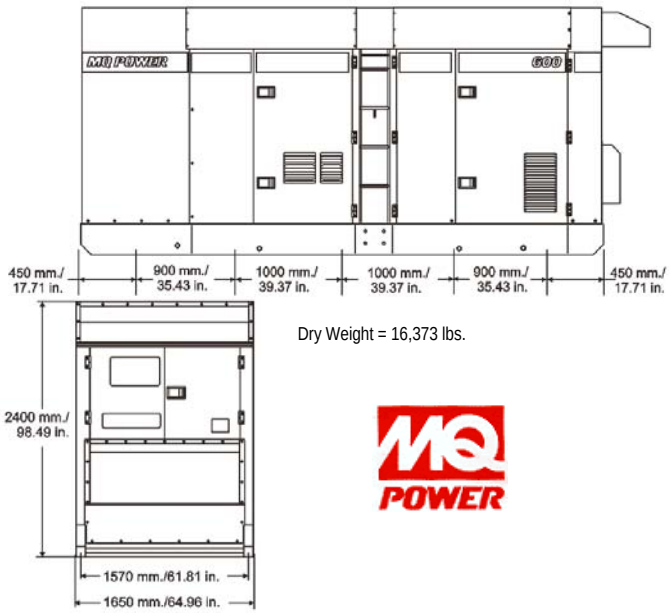
* Reconnectable terminal block .

Engine Specifications	
Engine Make / Model	Volvo / TAD1642GE
Emissions	EPA Tier 2 Certified
Design – 4 cycle	6 cylinder, water cooled, turbocharged, aftercooled
Displacement	16.12 L
Bore x Stroke (mm)	144 x 165
Gross Engine Output	810 hp (604 kW)
Engine Speed	1800 rpm
Oil capacity	12.7 gallons (48 liters)
Battery	12V 200 Ah x 2 (24V system)

Fuel System	
Fuel Tank Capacity	129 gallons (490 liters)
Fuel Consumption	
At full load gph (lph)	33.1 (125.2)
At 3/4 load gph (lph)	24.2 (91.7)
At 1/2 load gph (lph)	17.3 (65.4)
At 1/4 load gph (lph)	10.5 (39.6)

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.
■ **Electronic governor system** maintains frequency to ±0.25%.
■ **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.
■ **Parallel operation** provides the capability to connect two or more generator sets to a larger load and/or provide redundancy for critical loads.



Dry Weight = 16,373 lbs.

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