



GENERATOR SET powered by **CUMMINS**

M350C



Genset Model	Prime		Standby	
	kW	kVA	kW	kVA
M350C	250	312	280	350

Voltage	380/220	400/230	415/240
Amps	531	505	459

Ratings at 0.8 power factor

- 1) Ambient reference conditions: 1,000 mbar, 27°C, 30% relative humidity;
- 2) ESP: Standby Power Standby duty, operation under variable load, without over load;
- 3) PRP: Prime Power-Continuous duty operation, under variable load 24/24h-10% over load permissible 1 hour/12 hours;

DIMENSION

Model		M350C
DIM (mm)	L	3050
	W	1110
	H	1792
Weights (kg)		3006

CONFIGURATION:

Standard: Engine, alternator, cooling system, Base frame (excluding fuel tank), shock absorber, air inlet system, control box (including mains floating charge), plastic fan blades (when the engine and water tank do not bring).

Optional: Base frame (including fuel tank), water jacket heater, fuel water separator, fuel heater, fuel level sensor (only supporting underframe tank), switch box (with switch), power switch, the water level sensor, motor anti condensation heater, automatic fueling system (only supporting base frame including fuel tank), battery frame.

Accessories: Silencer, bellow, exhaust silencing system accessories (with the matching engine), regular battery, starting cord assembly, data of gen-set, random tool (with the matching engine).

Engine Brand	Cummins
Engine Model	NTA855-G1B
Alternator Brand	Marathon
Alternator Model	MP-260-4A
Control System	DSE6020
Circuit Breaker Type	3 Pole MCCB
Frequency & Phase	50Hz & 3PH
Engine Speed: RPM	1500
Oil Capacity (L)	38.6
Fuel Consumption (L/hr)	71.4
Fuel Tank Capacity (L)	Open Type: 420 Silent Type: 630
Lubricant	15W40-CF4 Upgrade

**Note: All data sheets are for reference only and subject to change without prior notice.*



ENGINE SPECIFICATIONS

Brand	Cummins
Model	NTA855-G1B
Rated RPM	1500
Cylinder Arrangement	6 - Inline
Compression Ratio	14.0 :1
Bore and Stroke	140 x 152 mm
Displacement (L)	14 (L)
Aspiration	Turbo after cooled
Governor Type	Electronic Speed Control System
Frequency regulation, steady state	≤ 1%
Engine Cooling System	Water cooled
Start Mode	DC 24V Electric Start

Exhaust System

Exhaust gas flow	1090 L/s 65.4 (m ³ /min)
Exhaust temperature	499°C
Max back pressure	10kPa

Fuel System

Fuel consumption100% (of the Prime Power)	71.4 (L / h)
Fuel consumption75% (of the Prime Power)	54.3 (L / h)
Fuel consumption50% (of the Prime Power)	38.2 (L / h)
Fuel consumption25% (of the Prime Power)	22.0 (L / h)

Lubrication System

Total System Capacity	38.6 (L)
Oil Pan Capacity (High-Low)	36.0-28.4 (L)
Maximum Oil Temperature	121°C
Maximum Oil Consumption	0.24 (L/h)

Air System

Combustion Air Flow	401 (L/s) 24 (m ³ /min)
Cooling Fan Air Flow	6.9 (L/s) 414 (m ³ /min)
Maximum Intake Air Restriction	
- Dirty Element	6.22kPa
- Clean Element	3.74kPa

Coolant System

Radiator & engine capacity	61 (L)
Max water temperature (Standby)	104°C
Thermostat	82-94°C

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ALTERNATOR SPECIFICATIONS

Brand	Marathon
Model	MP-260-4A
Number of Bearing	1
Insulation System	H/H
Power Factor	0.8
Protection	IP23
Frequency Fluctuation	$\leq \pm 0.5\%$
Voltage Regulation	$\leq \pm 1.0\%$
Telephone Interference	THF < 2%
Connecting Type	3 phase and 4 wires, "Y" type connecting
Alternator Efficiency	96 %
Rated Voltage	400/230
Voltage Control	AVR AS440
Excitation System	Self Excited

GENERATOR SET OPTIONS

Engine

- . Heavy Duty air filter
- . Water jacket heater 220/240

Cooling

- . Antifreeze 50/50 (Ethylene glycol)

Enclosure

- . Sound attenuated canopy

Alternator

- . Alternator heater

Control Panel

- . 3 pole Main Circuit Breaker

Warranty

- . 5 years for Standby application
- . 2 years for Prime application

Silencer

- . 9 dB attenuation industrial silencer
- . 25 dB residential – delivered loose

FEATURES

- Engine adapters available from SAE 3 to SAE 00 with coupling discs from SAE 8 to SAE 21, Special adapters and couplings are available.
- Stock units are twelve lead and re-connectable to the voltage you require and are available to 6600 volts.
- Generators are designed for easy paralleling with utilities or with other generators. All units feature 2/3 pitch and low harmonics and are supplied with a PMG to provide isolation of the voltage regulators power from the load induced distortion.
- A Class H insulation system that is recognized under UL1446 and is suitable for submission to UL2200 application approval.
- Large Conduit Box provides ample space for easy connections and allows load line entry from all directions
- STANDARDS -IEC 60034, BS5000, VDE0530, NEMA MG 1-32, CSA, UL 1446



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TECHNICAL PARAMETERS OF CONTROL PANEL:

Brand	UK Deepsea	Model	6020
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❖ Main Feature

Electronic J1939 (CAN) and nonelectronic MPU and alternator sensing engine support for diesel, gas and petrol engines all in one variant. The DSE6020 will also monitor the mains (utility) supply

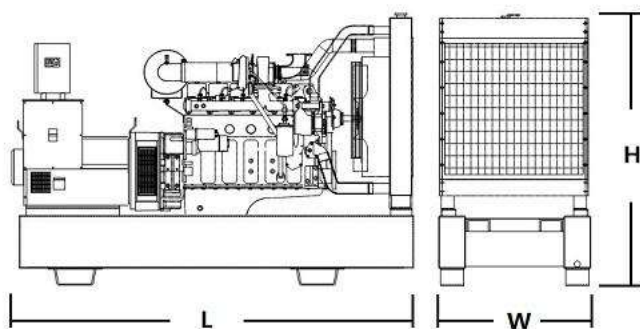


❖ Key Function

- ▲ 4-Line back-lit LCD text display
- ▲ Charge alternator failure alarm
- ▲ Five key menu navigation
- ▲ Manual speed ctrl (oncompatible CAN engines)
- ▲ Front panel editing with PIN protection
- ▲ CAN and Magnetic Pick-up/Alt sensing
- ▲ Power save mode Customisable status screens
- ▲ Overload protection
- ▲ Support for up to three remote
- ▲ Reverse power (kW & kV Ar) protection
- ▲ 9 configurable inputs
- ▲ LED and LCD alarm indication
- ▲ Display units
- ▲ Unbalanced load protection
- ▲ Multiple date and time scheduler
- ▲ Independent Earth Fault trip
- ▲ Configurable event log (250)
- ▲ USB connectivity
- ▲ Integral PLC editor ☆For more information, please visit the
- ▲ Easy access diagnostic page official website
- ▲ Tier 4 CAN engine support
- ▲ Compatible with electronic (CAN) and non-electronic (magnetic pick-up/alternator sensing) engines



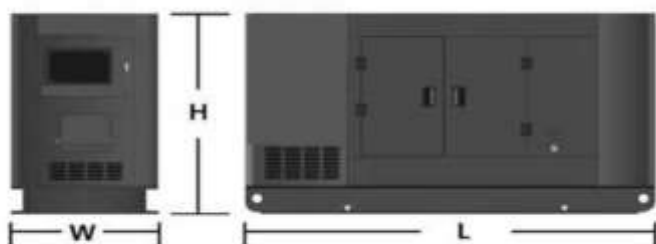
DIMENSION



OPEN TYPE (mm)

L	W	H
3050	1110	1792

Weight: 3006 kg



SILENT TYPE (mm)

L	W	H
4366	1406	2260

Weight: 4231 kg

DATA:

- Available for voltages 400/230V, 480/277V, 380/220V, 440/254V, 416/240V, 220/127V, 208/120V
- All datas based on ISO 3046, altitude 100m (328ft), barometric pressure 100kPa (29.53inHg), air temperature 25°C (77°F), relative humidity 30%.
- Diesel generator comply with standards: ISO8528, ISO14000, ISO3046, GB755, BS5000, VDE0530, IEC34-1

WARRANTY POLICY

- Guarantee for one year or 2000 hours (accord to whichever reach first) from ex-factory date. Wearing parts(filters), incorrect man-made operation, maintenance failures are excluded from the warranty policy

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