



# GENERATOR SET *powered by CUMMINS*

# M165C



| Genset Model | Prime |     | Standby |     |
|--------------|-------|-----|---------|-----|
|              | kW    | kVA | kW      | kVA |
| M165C        | 120   | 152 | 132     | 165 |

|         |         |         |         |
|---------|---------|---------|---------|
| Voltage | 380/220 | 400/230 | 415/240 |
| Amps    | 250     | 238     | 216     |

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        |   | M165C |
|--------------|---|-------|
| DIM (mm)     | L | 2350  |
|              | W | 950   |
|              | H | 1430  |
| Weights (kg) |   | 1660  |

## 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            | 6CTA8.3-G2        |
| Alternator Brand        | Stamford          |
| Alternator Model        | UCI274F           |
| Control System          | DSE7320           |
| Circuit Breaker Type    | 3 Pole MCCB       |
| Frequency & Phase       | 50Hz & 3PH        |
| Engine Speed: RPM       | 1500              |
| Oil Capacity (L)        | 27.6              |
| Fuel Consumption (L/hr) | 42                |
| Lubricant               | 15W40-CF4 Upgrade |



## ENGINE SPECIFICATIONS

|                        |                                 |
|------------------------|---------------------------------|
| Brand                  | Cummins                         |
| Model                  | 6CTA8.3-G2                      |
| Rated RPM              | 1500                            |
| Cylinder Arrangement   | 6 - Inline                      |
| Compression Ratio      | 17.3 :1                         |
| Bore and Stroke        | 114 x 135 mm                    |
| Fuel Consumption (L/h) | 30                              |
| Displacement (L)       | 8.3                             |
| Aspiration             | Turbo after cooled              |
| Governor Type          | Electronic Speed Control System |
| Fuel System            | Electric unit pump              |
| Engine Cooling System  | Water cooled                    |
| Start Mode             | DC 24V Electric Start           |

## ALTERNATOR SPECIFICATIONS

|                        |  |
|------------------------|--|
| Brand                  | Stamford                                 |
| Model                  | UCI274F                                  |
| Number of Bearing      | 1  |
| Insulation System      | H/H                                      |
| Power Factor           | 0.8                                      |
| Protection             | IP23                                     |
| Frequency Fluctuation  | ≤±0.5%                                   |
| Voltage Regulation     | ≤±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



**TECHNICAL PARAMETERS OF CONTROL PANEL:**

|              |                   |              |             |
|--------------|-------------------|--------------|-------------|
| <b>Brand</b> | <b>UK Deepsea</b> | <b>Model</b> | <b>7320</b> |
|--------------|-------------------|--------------|-------------|

❖ **Main Feature**

Electronic J1939 (CAN) and nonelectronic MPU and alternator sensing engine support for diesel, gas and petrol engines all in one variant. The DSE7320 will also monitor the mains (utility) supply

❖ **Key Function**

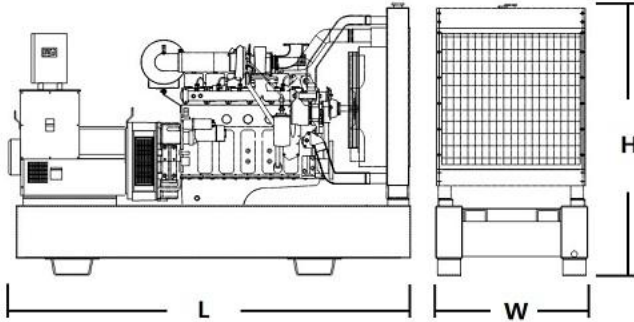
- ▲ 4-Line back-lit LCD text display
- ▲ Charge alternator failure alarm
- ▲ Five key menu navigation
- ▲ Manual speed ctrl (oncompatible CAN engines)
- ▲ Front panel editing with PIN protection
- ▲ CAN and Magnetic Pick-up/Alt sensing
- ▲ Power save mode Customisable status screens
- ▲ Overload protection
- ▲ Support for up to three remote
- ▲ Reverse power (kW & kV Ar) protection
- ▲ 9 configurable inputs
- ▲ LED and LCD alarm indication
- ▲ Display units
- ▲ Power monitoring (kW h, kV Ar, kV A h, kV Ar h)
- ▲ Flexible sender inputs
- ▲ Load switching (load shedding and dummy load outputs)
- ▲ Configurable timers and alarms
- ▲ Automatic load transfer
- ▲ 3 configurable maintenance alarms



- ▲ 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 withelectronic (CAN) and non-electronic(magnetic pick-up/alternatorsensing) engines

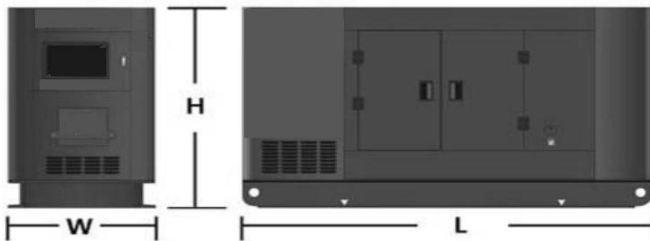


**DIMENSION**



**OPEN TYPE (mm)**

| L           | W          | H           |
|-------------|------------|-------------|
| <b>2350</b> | <b>950</b> | <b>1715</b> |



**SILENT TYPE (mm)**

| L           | W           | H           |
|-------------|-------------|-------------|
| <b>3265</b> | <b>1163</b> | <b>1858</b> |

**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%.
- Please contact with STAMFORD engineer for correct generator capacity selection when the load application can't meet with the standard reference.
- STAMFORD diesel generators 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