



# LG350C Powered by Cummins

| Model  | Frequency/RPM | Standby Power | Prime Power |
|--------|---------------|---------------|-------------|
| LG350C | 50Hz/1500RPM  | 280KW         | 250KW       |
|        |               | 350KVA        | 312.5KVA    |

\* Voltage: 400/230

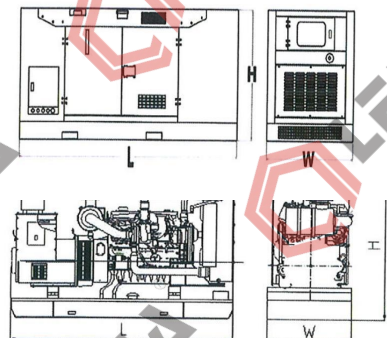
- (1) Prime Power: Ratings are as per DIN 6271, BS55114 and ISO-3046 with 10% overload capacity.
- (2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
- (3) Operation at Altitude  $\leq$  1000m, Ambient temperature  $\leq$  40°C. If altitude higher than 1000m, each 300m will cause additional de-rating 4%.

## General Characteristics

|                    |                   |
|--------------------|-------------------|
| Model              | LG350C            |
| Engine             | Cummins NTA855G1B |
| Alternator         | Stamford or Lega  |
| Speed Control Type | Electrical        |
| Phase              | 3                 |
| System Voltage     | 24                |
| Frequency          | 50Hz              |
| Engine Sped(RPM)   | 1500              |

## Dimensions

| DIMENSION       | OPEN TYPE | SILENT TYPE |
|-----------------|-----------|-------------|
| Length (L)      | 3070mm    | 4350mm      |
| Width (W)       | 1130mm    | 1400mm      |
| Height (H)      | 1855mm    | 2260mm      |
| Net Weight (KG) | 2650kg    | 4100kg      |



## Engine Specification

|                            |              |      |
|----------------------------|--------------|------|
| Brand                      | Cummins      |      |
| Model                      | NTA855G1B    |      |
| No. of Cylinders and Cycle | 6L, 4 Stroke |      |
| Compression Ratio          | 14.0:1       |      |
| Displacement (L)           | 14           |      |
| Bore x Stroke (mm)         | 140 x 152    |      |
| Piston Speed (m/s)         | 7.62         |      |
| Air Intake Flow (L/s)      | 375          |      |
| Exhaust Flow (L/s)         | 980          |      |
| Net Engine Weight (kg)     | 1300         |      |
| Starting System            | Electronic   |      |
| Base Output Power (kW)     | 284          |      |
| Fuel Consumption (L/h)     | 100% load    | 71.4 |
|                            | 75% load     | 54.3 |
|                            | 50% load     | 38.2 |
|                            | 25% load     | 22   |

|                    |  |                             |
|--------------------|--|-----------------------------|
| Cooling System     | Max.coolant cycling resistance exterior engine (kPa) | 41                          |
|                    | Thermostat adjusting temperature (°C )               | 82-94                       |
|                    | Minimum Pressure of Radiator Cap (kPa)               | 48.2                        |
|                    | Coolant capacity-engine only(L)                      | 20.8                        |
| Fuel System        | Fuel injection pump model                            | Direct Injection Cummins PT |
|                    | Maximum Restriction at Lift Pump (kPa)               | 13.5                        |
|                    | Maximum Fuel Inlet Temperature (°C )                 | 71                          |
|                    | Total Drain Flow (constant for all loads) (L/h)      | 305                         |
| Lubricating System | Low idle (kPa)                                       | 103                         |
|                    | Rated speed (kPa)                                    | 241-345                     |
|                    | Max. oil temperature permitted in oil pan (°C )      | 121                         |
|                    | Lubrication system Min. capacity (L)                 | 38.6                        |
| Exhaust System     | Max. Back Pressure (kPa)                             | 10                          |
| Electrical System  | Starter (V)  | 24                          |
|                    | Battery charging system (A)                          | 35                          |

## Alternator Specification

|                                |     |                                |
|--------------------------------|-----|--------------------------------|
| Poles                          | No. | 4                              |
| Connection type (standard)     |     | star                           |
| Insulation                     |     | Class" H"                      |
| Enclosure (according IEC-34-5) |     | IP23                           |
| Exciter system                 |     | SELF EXCITED                   |
| Voltage regulator              |     | A.V.R. (Electronic)            |
| Bracket type                   |     | Single bearing                 |
| Coupling system                |     | Flexible disc                  |
| Coating type                   |     | Standard (Vacuum impregnation) |

\*Alternator meets BS EN 60034 and the relevant section of other international standards such as BS5000, VDE 0530, NEMA MG1-32, IEC34, CSA C22.2 and AS1359.

## Options

### Engine

- Jacket Water Preheater
- Oil Preheater

### Generator Sets

- Tools with the machine

### Fuel System

- Low fuel level alarm
- Automatic fuel feeding system
- Fuel T-valves

### Control Panel

- Remote control panel
- ATS
- Remote controller
- Synchronizing controller

### Alternator

- Winding temperature measuring instrument
- Alternator Preheater
- Anti-damp and anti-corrosion treatment
- Anti-condensation heater

### Canopy

- Rental type canopy
- Trailer

### Exhaust System

- Protection board from heat

### Cooling System

- Front heat protection
- Coolant (-30°C)

### Lubricating System

- With machine oil

Note: This drawing is provided for reference only and should not be used for planning installation. Contact your

Standard Controller (ComAp AMF20 or DEEPSEA DSE6020)

|                           |   |  |
|---------------------------|---|--|
| Control                   | <ul style="list-style-type: none"> <li>Auto/Start/Stop Control</li> <li>Emergency Stop Pushbutton/ Alarm</li> <li>Engine Cool Down Timer</li> <li>Warm - up Timer</li> <li>Load Switching Timer</li> <li>Engine Cycle Crank</li> </ul>  |   |
| Indications               | <ul style="list-style-type: none"> <li>Operating Hours</li> <li>3 Phase Generator Voltage Sensing &amp; Monitoring</li> <li>Current Protection &amp; Monitoring</li> <li>Power Measurement (kW, kVA, kVA<sub>r</sub>, kWh, kVA<sub>h</sub>, pf)</li> <li>Frequency Monitoring (Hz)</li> <li>Oil Pressure/Coolant Temperature/Fuel Level Monitoring</li> <li>Battery Voltage Monitoring (DC)</li> <li>Alarm (Acknowledge)</li> </ul> | AMF IntelliLite 9  |
| Warning & Shutdown Alarms | <ul style="list-style-type: none"> <li>Generator Over/Under Voltage &amp; Frequency</li> <li>Crank Disconnect (Failure to Start)</li> <li>Under/Over Speed</li> <li>Over Current</li> <li>Low oil pressure</li> <li>High Water Temperature</li> <li>Low Fuel Level</li> <li>Low Water Level</li> </ul>  |  |
| Features                  | <ul style="list-style-type: none"> <li>IP 65 (if ordered with gasket)</li> <li>Basic Scheduler</li> <li>8 - 35V DC Supply</li> <li>Digital Inputs(4) - Outputs(4 MPU/ 6 CAN)</li> <li>Event Log (5 shutdowns)</li> </ul>  | DSE6020  |

All data is subject to change without notice. Sorry for inform.

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