



LG413C Powered by Cummins

| Model | Frequency/RPM | Standby Power | Prime Power |
|--------|---------------|---------------|-------------|
| LG413C | 50Hz/1500RPM | 330KW | 300KW |
| | | 412.5KVA | 375KVA |

* Voltage: 400/230

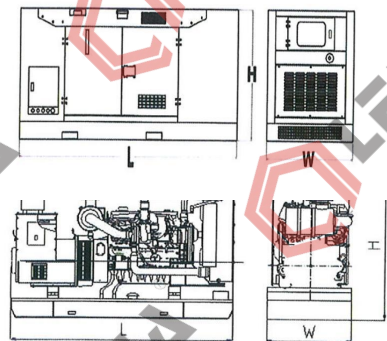
- (1) Prime Power: Ratings are as per DIN 6271, BS55114 and ISO-3046 with 10% overload capacity.
- (2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
- (3) Operation at Altitude \leq 1000m, Ambient temperature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

General Characteristics

| | |
|--------------------|-------------------|
| Model | LG413C |
| Engine | Cummins NTAA855G7 |
| 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) | 3120mm | 4350mm |
| Width (W) | 1230mm | 1500mm |
| Height (H) | 1855mm | 2260mm |
| Net Weight (KG) | 2760kg | 4280kg |



| Engine Specification | | |
|-----------------------------|-----------------------------------------------------|-----------------------------|
| Brand | Cummins | |
| Model | NTAA855G7 | |
| 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) | 510 | |
| Exhaust Flow (L/s) | 1150 | |
| Net Engine Weight (kg) | 1270 | |
| Starting System | Electronic | |
| Engine Coolant Flow (L/min) | 5 | |
| Base Output Power (kW) | 343 | |
| Fuel Consumption (L/h) | 100% load | 85.4 |
| | 75% load | 64.7 |
| | 50% load | 44.6 |
| | 25% load | 24.6 |
| 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) | 371 |
| 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"> Auto/Start/Stop Control Emergency Stop Pushbutton/ Alarm Engine Cool Down Timer Warm - up Timer Load Switching Timer Engine Cycle Crank |  |
| Indications | <ul style="list-style-type: none"> Operating Hours 3 Phase Generator Voltage Sensing & Monitoring Current Protection & Monitoring Power Measurement (kW, kVA, kVA_r, kWh, kVA_h, pf) Frequency Monitoring (Hz) Oil Pressure/Coolant Temperature/Fuel Level Monitoring Battery Voltage Monitoring (DC) Alarm (Acknowledge) | AMF IntelliLite 9 |
| Warning & Shutdown Alarms | <ul style="list-style-type: none"> Generator Over/Under Voltage & Frequency Crank Disconnect (Failure to Start) Under/Over Speed Over Current Low oil pressure High Water Temperature Low Fuel Level Low Water Level |  |
| Features | <ul style="list-style-type: none"> IP 65 (if ordered with gasket) Basic Scheduler 8 - 35V DC Supply Digital Inputs(4) - Outputs(4 MPU/ 6 CAN) Event Log (5 shutdowns) | DSE6020 |

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



Distributed By:

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