

SPECIFICATION



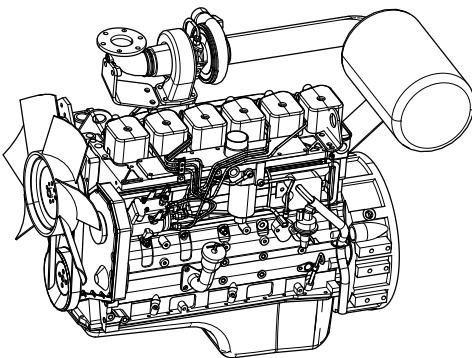
MODEL R400C RG SERIES (FOR 50Hz DIESEL GENSET)

Revision: A3 (11/22)

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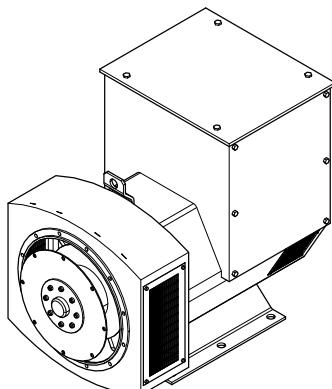


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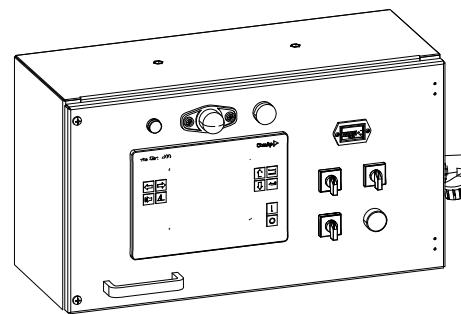
Engine Manufacturer/Brand.....	Cummins
Engine Model.....	QSB6.7-G32
Dimensions L×W×H.....	1048x705x1019mm
Dry Weigh (approx.)	532kg
Number of Cylinders.....	6
Bore	107mm
Stroke	124mm
Displacement.....	6.7L
Compression Ratio	18.5
Type of injection.....	Direct injection
Intake System.....	Turbocharged
Intake Resistance.....	$\leq 3.7\text{kPa}$
Cooling System	Water cooled
Fan	Pusher
Battery Voltage	24V
Type of Fuel.....	No.2 or ASTM D975
Type of Oil	15W40-CH4
Oil Capacity	19.5L
Type of Coolant	Glycol mixture
Coolant Capacity	10.0L
Back Pressure	$\leq 10.0\text{kPa}$
Standby Power	190kW
Prime Power	173kW

Alternator



Alternator Manufacturer/Brand	Leroy Somer
Alternator Model	LSA44.3VL14
Exciter.....	Brushless
Cooling Fan	Cast alloy aluminum
Windings.....	100% copper
Insulation Class	H
Winding Pitch.....	2/3
Terminals	12
Drip Proof	IP23
Altitude.....	$\leq 1000\text{m}$
Overspeed	2250rpm
Air Flow.....	N/A
Voltage Regulation	$\pm 1.0\%$
Total Harmonic TGH / THCat no load < 1.5 % - on load < 5%	
Telephone Interference.....	THF<2%;TIF<50

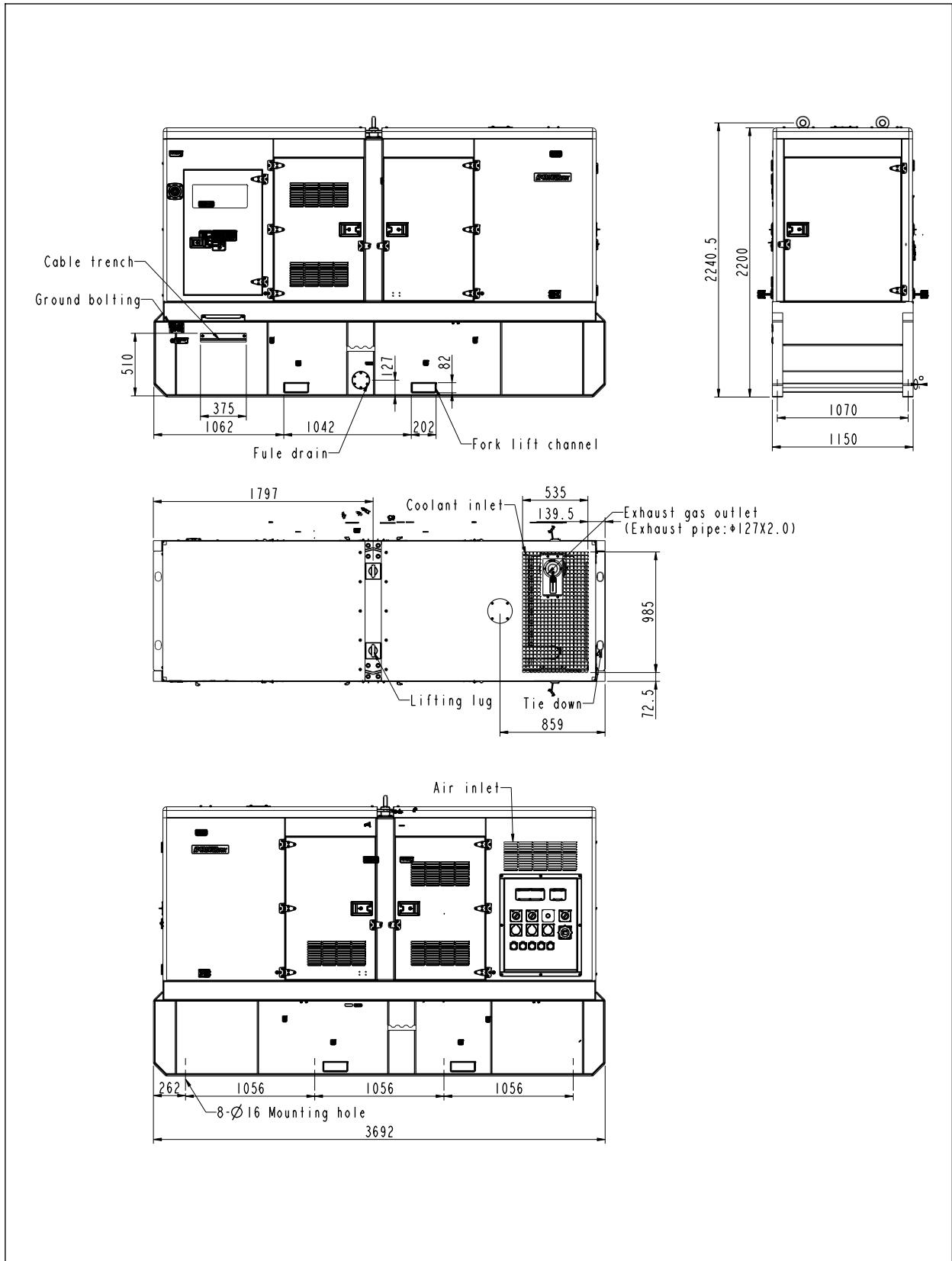
PLC500 Control System



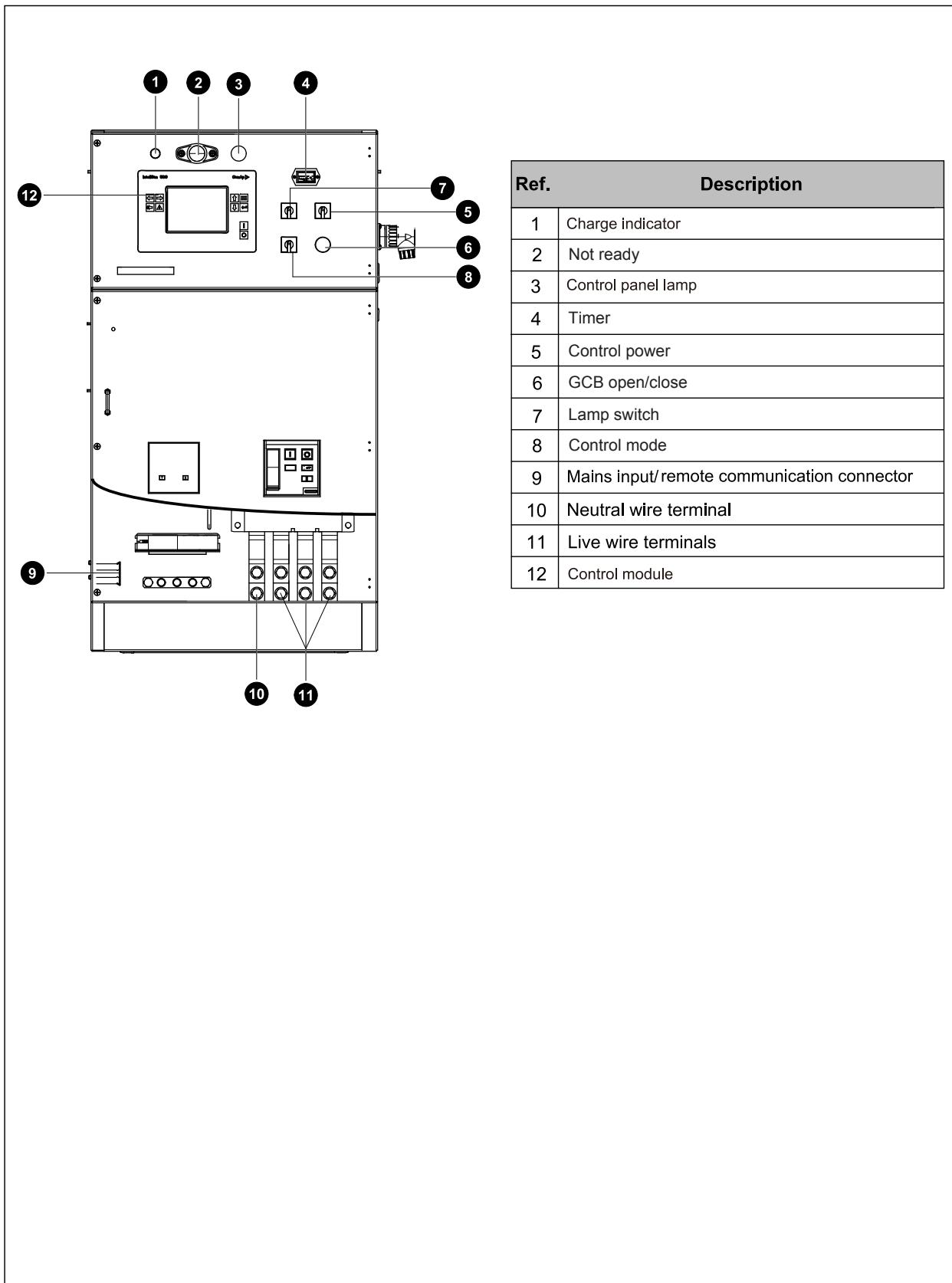
PLC-500 is a microprocessor based control unit containing all necessary functions for protection of the genset and the breaker control. Furthermore, it contains all necessary three-phase measuring circuits and presents all values and alarms on the LCD display. The module has the function of load sharing which enables the module to share the active load (kW) equally when operating in parallel with other gensets. The load sharing is performed so each genset takes a portion of the load that is calculated in percent according to the nominal power.

- Microprocessor control, with high stability and credibility
- Monitoring and measuring operational parameters of the genset
- Indicating operation status, fault conditions, all parameters and alarms
- Multiple protections; multiple parameters display, like pressure, temp. etc.
- Manual, automatic and remote work mode selectable
- RS232 & RS485 can be used at the same time
- Real time clock for time and date display, overall runtime display, 250 log entries

4 Overall Dimensions



5 Control System



SPECIFICATION

RG SERIES DIESEL GENSET

R188C

Revision: A4 (11/22)

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