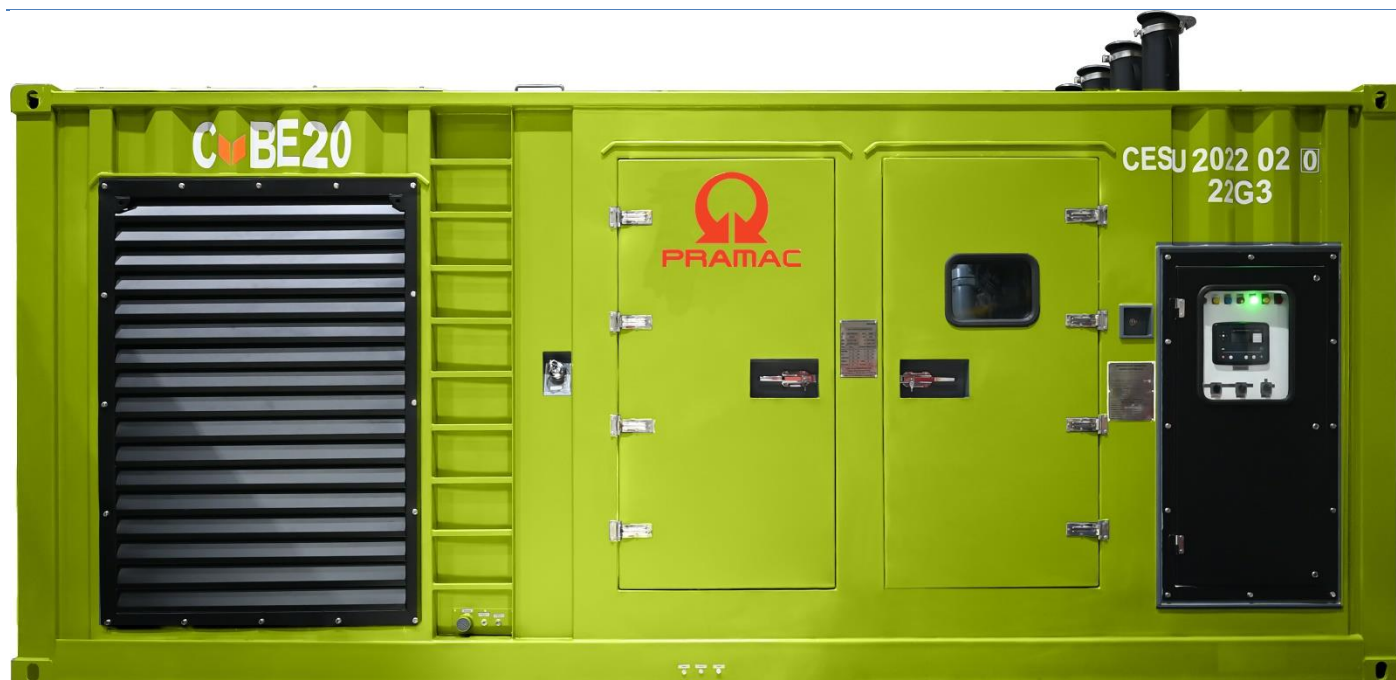


GDS1380P



Main Features

Standby Power Output (400V/50Hz)	KVA	1334
Standby Power Output (400V/50Hz)	KW	1067
Standby Power Output (480V/60Hz)	KVA	1400
Standby Power Output (480V/60Hz)	KW	1120
Prime Power Output (400V/50Hz)	KVA	1209
Prime Power Output (400V/50Hz)	KW	967
Prime Power Output (480V/60Hz)	KVA	1268
Prime Power Output (480V/60Hz)	KW	1014
Frequency	Hz	50/60
Voltage	V	400/480
Power factor	cos φ	0.8
Phase		3

Ratings definition (According to standard ISO8528)

PRP - Prime Power:

It is defined as being the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load when operated for an unlimited number of hours per year under the agreed operating conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturer. The permissible average power output over 24 h of operation shall not exceed 70 % of the prime power.

LTP - Limited-Time running Power:

It is defined as the maximum power available, under the agreed operating conditions, for which the generating set is capable of delivering for up to 500 h of operation per year (whose no more than 300 for continuative use) with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. No overload capability is available.

Engine Specification

Engine Manufacturer	Perkins
Engine Model	4012-46TWG2A
Gross Engine Power (60Hz)	1221 kWm
Gross Engine Power (50Hz)	1217 kWm
[50Hz] Exhaust emission level	Unregulated
Speed Governor	Electronic
Engine Cooling System	Water Cooled
No. of Cylinder and Position	12
Displacement	45842 cm ³
Aspiration	Turbocharged, Aftercooled
Total coolant capacity	128 Litres
Fuel Consumption (1500 RPM) 75 % of Prime power	216 g/KWh
Fuel Consumption (1800 RPM) 75 % of Prime power	196 g/KWh



Electrical equipment

- 24V starter motor, 24V alternator with integral regulator and DC output

Alternator Specification

Alternator Manufacturer	Leroy-Somer
Alternator Model	LSA 50.2 M6
Voltage	400/480 V
Frequency	50/60 Hz
Emergency peak power 163°/27°	1375 KVA (50Hz)
Emergency peak power 163°/27°	1720 KVA (60Hz)
Power Factor	0.8
Poles	4
Phase	3
Insulation class	Class H
Protection	IP 23
Voltage regulation	± 1%
Excitation system	Brushless (AREP)
Efficiency @ 75 % load	95.5 %
AVR Model	R 450



Genset Accessories

Base Frame

- Made with Sheet Metal
- Mounted Anti-vibration mountings

Fuel Tank

- Inbuilt with DG Set Enclosure
- Capacity 650 Liter
- Level sensors inside tank

Battery

- Number of Batteries 4
- Battery Capacity 12V DC, 180Ah
- Type of Battery Lead Acid Battery

ISO Container

- ISO Type 20 feet Container
- Soundproof Container properly fixed and sealed allowing a full weather proof Container
- Exhaust air outlet from the roof, trough wet section protected by proper grid
- Emergency stop button outside container

Silencer

- Residential silencer

Dimensional Data

Length	mm	6058
Width	mm	2438
Height	mm	2591 (Without Exhaust pipe)
Dry weight	kg	16000
Sound level @7 meters 1500rpm		77+/-3dB(A)

Modular Parallel Panel

Mounted on the Genset, complete with digital control unit for monitoring, control, protection and load sharing for both single and multiple gen-sets operating in standby or parallel modes

Controller make & model

- Deepsea DSE 8610
- Modular parallel panel allows the genset to work in parallel (up to 32 gen-sets)
- Easy switching between parallel to mains or multiple genset applications
- Full gen-set monitoring and protection
- Detailed event and performance log with time and date
- Wide range of communication and connection capabilities available



Power Panel

- Genset Circuit Breaker 4-pole – 2000A, ACB EDO.

REF PROD: 1250PPCLSDPSR1328631111

The information is aligned with the Data file at the time of download.

Image shown may not reflect actual package. Specifications subject to change without notice.

PRELIMINARY