



# SOMMERS

## SMG DP 200

MODEL: SMGDP 200

Power rating @ 60Hz		Power rating @ 50Hz	
<b>Prime</b>	180 KW	<b>Prime</b>	166KW
<b>Standby</b>	200 KW	<b>Standby</b>	183 KW

Generator set comprising engine and alternator assembly mounted on fabricated steel profile baseframe. Baseframe is painted with a phosphate primer and top coat.

The alternator is directly coupled to the engine and the rotor is fixed to the flywheel using steel discs for flexibility. This assembly guarantees perfect alignment and the absence of vibration.

The engine is fixed to the baseframe using anti-vibration pads.

**ENGINE: PERKINS** (Four- stroke diesel engine with direct injection)

Model	1306CTAG3	Aspiration	Turbo charged
No. of cylinders	6	Cooling	air to air charge cooled
Engine capacity	8710c.c	Speed 60 / 50Hz	Water cooled
Bore	116.6	Standby Hp @ 60Hz	1800 / 1500 rpm
Stroke	135.9		305 Hp
Compression Ratio	16.6:1		

**Standard Single Wall Sub-base Tank:** 418 Litre

### Fuel Consumption

Load	I / hr	I / hr
	60Hz	50Hz
25% load	0	0
50% load	27.9	24
75% load	40.3	24.9
100% load	57.0	46.4

### Cooling System

Closed circuit water cooled with expansion tank included in the radiator. Tropical radiator and fan with guard. Suitable for working at ambient temperatures of up to 53°C.

Air flow fan 60 / 50 Hz	480/375 m3min
Cooling system capacity	37.22L

### Lubrication system

Forced lubrication with gear type pump. Oil filter.

Oil sump capacity	26.4 L
Oil consumption	Max. 0.1% of fuel consumption

## Air intake system

Combusted air flow 60/50  
 Aspirated air flow 16.1 / 11.6 3 m3m

## Injection system

Electronically controlled injection pump (HEUI) . Fuel filter and pre-filter

## Electrical system

24 V starting system. 24 V Lucas AC5R battery charging alternator. 2 X 12 v 120 Ah. Batteries

## Protection System

Automatic engine shutdown with LED indication for low oil pressure, high engine temperature, battery charge failure, overcrank, & overspeed

## Exhaust System

Consists of residential exhaust silencer with 10dB(A) noise reduction, stainless steel flexible hose and brackets. Optionally, a critical or hospital grade silencer can be supplied.

## Alternator

Stamford / Newage Brushless Alternator. Self regulated via SX460 AVR keeping voltage within 1.5%. Windings are Class H insulated, All wound components are impregnated with polyester resin for resistance to acids and oils. Protection grade IP 22.

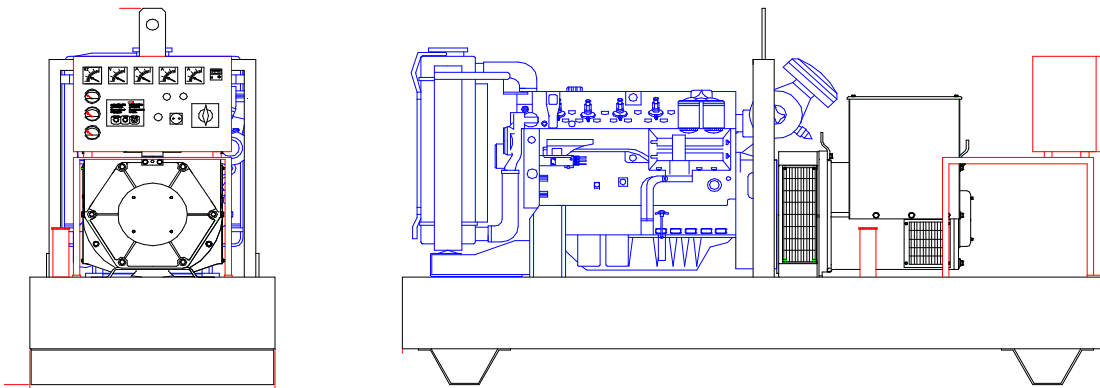
## ELECTRICAL SYSTEM

### Control Panel GPM-2

3pos. Switch (Auto/Off/Manual)	■	Three-phase terminals	■
Ammeter	1	Engine temperature gauge	■
Frequency meter	1	Fuel level gauge	■
Voltmeter	1	Battery charge meter	■
Battery voltmeter	□	Oil pressure gauge	■
Mains-generator switch	□	ON lamp	■
3-phase monitoring card	□	Heater lamp	□
Hours run meter	■	Emergency stop button	□

**Breaker:** 120 / 240V, 1Ph = 800Amp  
 120 / 208V, 3Ph = 700Amp  
 347 / 600V, 3Ph = 250Amp

## Dimensions



	<b>SILENT</b>	<b>OPEN</b>
Length (L)	144	114
Width (W)	55	44
Height (H)	80	80
Weight (lb)	7275	5025

Outlet Air Louvre 34"  
 Inlet Air Louvre 36"

NOTE: Not for  
 Construction use  
 Consult factory.