



# SOMMERS

## SMG DP 350

MODEL:SMGDP 350

Power rating @ 60Hz		Power rating @ 50Hz	
<b>Prime</b>	320KW	<b>Prime</b>	280KW
<b>Standby</b>	350KW	<b>Standby</b>	320KW

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	2306TAG2	Aspiration	Turbocharged
No. of cylinders	6	Cooling	Water cooled
Engine capacity	14600 Litres	Speed 60 / 50Hz	1800 / 1500 rpm
Bore	137	Standby Hp @ 60Hz	527 Hp
Stroke	165		
Compression Ratio	15.9:1		

**Standard Single Wall Sub-base Tank:** 554 Litre

### Fuel Consumption

Load	I / hr	I / hr
	60Hz	50Hz
25% load	0	0
50% load	45	38
75% load	66	52.5
100% load	85.7	70

### 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	530/438 m3min
Cooling system capacity	47.0L

### Lubrication system

Forced lubrication with gear type pump. Oil filter.

Oil capacity, Sump/total	68 L
Oil consumption	.1% Fuel Consumption

# SMG DP 350

Effective October 1, 2005

## Air intake system

Turbo charged with dry air filter.

Combustion air flow 60 / 50HZ 35 / 21.3 m<sup>3</sup>/min

## Injection system

MEUI Injection pump with electronic governor. Fuel filter and pre-filter.

## Electrical system

24 V starting system 24V / 70 Amp battery charging alternator. 2 x 12 V 120 Ah batteries. Oil pressure and engine temperature sensors.

number of teeth on fly wheel - 113

## 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 SX440 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.

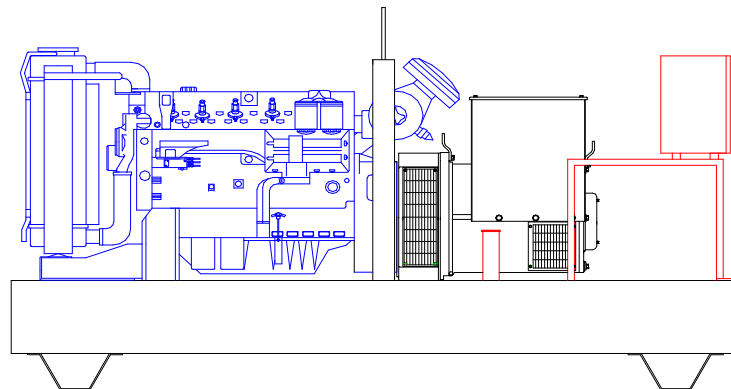
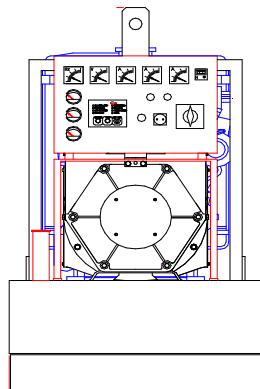
## Control Panel GPM-2

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

Safety shut downs with fault indication for High engine temperature, low oil pressure; overspeed; overcrank

**Breaker:** 120 / 208V,3Ph = 1225Amp  
347 / 600V,3Ph = 425Amp

## Dimensions



	SILENT	OPEN
Length (L)	180	135
Width (W)	60	46
Height (H)	88	85
Weight (lb)	10825	8300

Outlet Air Louvre 46"W x 52"H  
Inlet Air Louvre 60"W x 60"H  
(Note:Louvres sizes based on non-insulated)

NOTE:Not for  
Construction use  
Consult factory.