



SOMMERS

SMG DP 30

MODEL:SMGDP 30

Power rating @ 60Hz		Power rating @ 50Hz	
Prime	28 KW	Prime	24 KW
Standby	30 KW	Standby	26 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	1103A-33G1	Aspiration	Naturally aspirated
No. of cylinders	3	Cooling	Water cooled
Engine capacity	3.3 Litres	Speed 60 / 50Hz	1800 / 1500 rpm
Bore	105mm	Standby Hp @ 60Hz	49 Hp
Stroke	127mm		
Compression Ratio	19.25:1		

Standard Single Wall Sub-base Tank: 90 Litre

Fuel Consumption

Load	I / hr	I / hr
	60Hz	50Hz
25% load	3.1	2.5
50% load	4.9	3.9
75% load	6.6	5.4
100% load	8.6	7.1

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	70/53m ³ min
Cooling system capacity	10,2 L

Lubrication system

Forced lubrication with gear type pump. Oil filter.

Lubricating oil capacity: Total system	8.3 L
Oil consumption	Max. 0.15% of fuel consumption

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Effective October 1, 2005

Air intake system

Turbo charged with dry air filter.

Combustion air flow 2.57 / 2.15 m3min

Injection system

Rotary injection pump with mechanical governor. Fuel filter and pre-filter.

Electrical system

12 V starting system. Axial starter motor. 75 Ah battery, 65 Amp Battery charger alternator. Oil pressure and engine temperature sensors.

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.

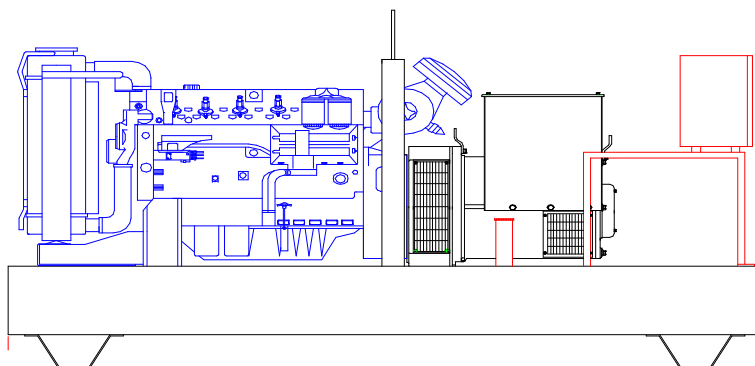
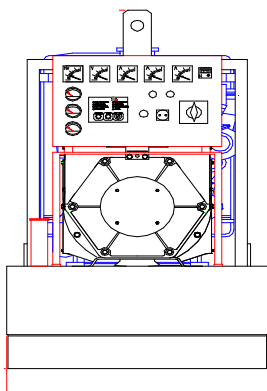
ELECTRICAL SYSTEM

Control Panel GPM-2

Voltmeter switch	1	Manual start up	■
Ammeter	3 (on 3Ph system only)	Remote control start up	■
Frequency meter	1	Startup failure	■
Hours run meter	■	Battery charge failure	■
Fuel level gauge	■	Low oil level	■
Water temperature gauge	■	High water temperature	■
Oil pressure gauge	□	Low fuel level	■
Battery intensity gauge	□	Water level in radiator	■
Battery voltage gauge	□	Emergency stop button (housed units only)	■
Main Line Breaker	■	Overspeeding	■
Auto start up for main failure	□	Overload	■
		Maintenance	■

Breaker: 120 / 240V, 1Ph = 115Amp
 120 / 208V, 3Ph = 90Amp
 347 / 600V, 3Ph = 30Amp

Dimensions



	SILENT	OPEN
Length (L)	89	65
Width (W)	42	30
Height (H)	60	60
Weight (lb)	2827	1680

Outlet Air Louvre 20"
 Inlet Air Louvre 24"

NOTE: Not for
 Construction use
 Consult factory.