



SOMMERS

SMG DP 400

MODEL:SMGDP400

Power rating @ 60Hz		Power rating @ 50Hz	
Prime	350KW	Prime	320KW
Standby	400KW	Standby	360KW

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. (Make: Stamford/Newage)

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

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

Model	2306TAG3	Aspiration	Turbo charged
No. of cylinders	6	Cooling	Water cooled
Engine capacity	14600	Speed 60 / 50Hz	1800 / 1500 rpm
Bore	137	Standby Hp @ 60Hz	600 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	48	40
75% load	72	60
100% load	104.0	81

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 L

Lubrication system

Forced lubrication with gear type pump. Oil filter.

Oil sump capacity	68L
Oil consumption	Max between 0.5% and 1% of fuel consumption

Air intake system

Turbo charged with dry air filter.

Combustion air flow 36 /23.8 m3min

Injection system

MEUI Injection pump with electronic governor.

Electrical system

24 V starting system.40 Amp battery charging alternator. 2x 12 V 120 Ah batteries. 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 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.

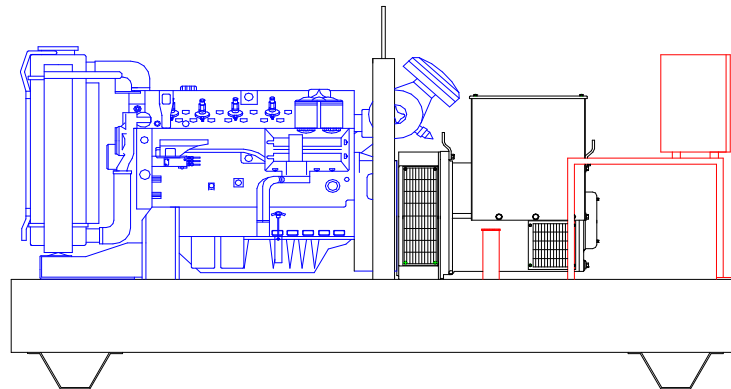
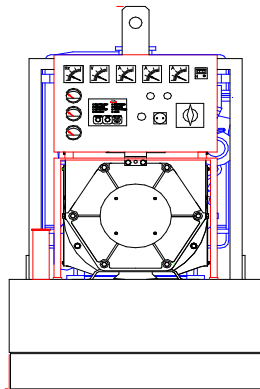
ELECTRICAL SYSTEM

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	■
Mainline Breaker	■	ON lamp	■
3-phase monitoring card	□	Heater lamp	□
Hours run meter	■	Emergency stop button	□

Breaker: 120 / 208V,3Ph =1400Amp
347 / 600V,3Ph =500 Amp

Dimensions



	SILENT	OPEN
Length (L)	180	135
Width (W)	60	46
Height (H)	88	85
Weight (lb')	11125	8590

Inlet Air Louvre n/a
Outlet Air Louvre n/a

NOTE:Not for
Construction use
Consult factory.