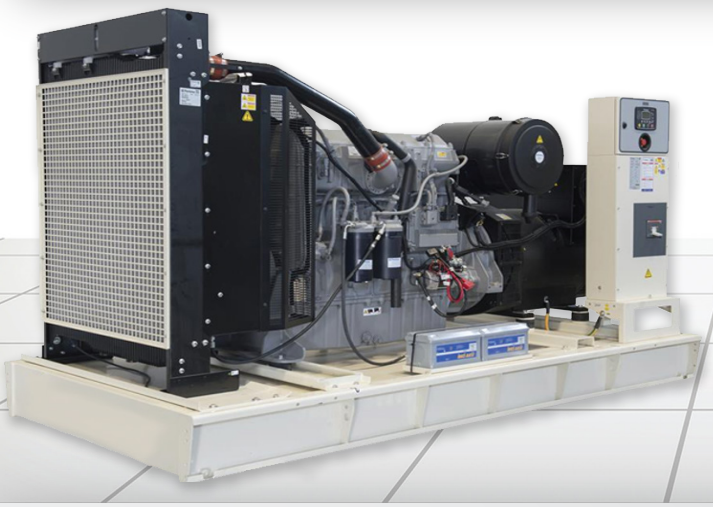
VERINSO GENERATORS



VS1800PE-L

Output Power

Standby Power (ESP)	kVA	1800
	kW	1440
Prime Power (PRP)	kVA	1640
	kW	1312

Size

	W x L x H (mm)	Weight (kg)	Fuel Tank (lt)	Noise dB (A) @ 7m
Canopied	2470 x 9145 x 3150	16484	2350	93
Open Skid	2250 x 5000 x 2800	10404	3500	N/A

TBA: To Be Asked / N/A: Not Applicable

Continuous Power

The maximum power which a generating set is capable of delivering continuously whilst supplying a constant electrical load. Average load can be 100%. The generator must not be overloaded.

Standby Power

The max power available during a variable electrical power sequence,under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 200 hrs of operation per year under average of 70% load. Overloading isn't permissible.

Prime Power

The maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load. Average load should be 70%. The generator can be overloaded 10% for 1 hour per 12 hrs.

Engine

Manufacturer		PERKINS
Model		4012-46TAG3A
No of Cylinders		12
Cylinder Configuration		V TYPE
Displacement	lt	45.842
Stroke	mm	190
Bore	mm	160
Compression Ratio		13:01
Aspiration		TURBOCHARGE-INTERCOOLER
Governor Type		ELECTRONIC
Cooling System		WATER
Coolant Capacity	lt	201
Lubrication Oil Capacity	lt	177
Electrical System	VDC	24
Speed / Frequency 50 Hz	rpm	1500 rpm / 50 Hz
Engine Gross Power (Standby 50 Hz)	kW	1643
Fuel Consumption 110% (ESP 50 Hz)	lt/h	405
Fuel Consumption 100% (PRP 50 Hz)	lt/h	370
Fuel Consumption 75% (PRP 50 Hz)	lt/h	275
Fuel Consumption 50% (PRP 50 Hz)	lt/h	187
Exhaust Outlet Temperature 50 Hz	°C	480
Exhaust Gas Flow 50 Hz	m3/min	350
Combustion Air Flow 50 Hz	m3/min	135
Cooling Air Flow 50 Hz	m3/min	2160

Alternator

Manufacturer		LEROY-SOMER
Model		LSA 50.2VL10
No of Phases		3
Power Factor		0,8
No of Bearings		SINGLE
No of Poles		4
No of Leads		6
Voltage Regulation (Steady State)		± 0,5%
Insulation Class		H
Degree of Protection		IP 23
Excitation System		AVR (Automatic Voltage Regulator); Brushless
Connection Type		STAR
Total Harmonic Content (No Load)		< 3,5%
Frequency	Hz	50
Voltage Output 50 Hz	VAC	230 / 400
Rated Power (Standby) 400_50 Hz	kVA	1800
Rated Power (Continuous) 400_50 Hz	kVA	1640
Efficiency (4/4_400 V_50 Hz)	%	95,5