



VS2502PE-L

Output Power

Standby Power (ESP)	kVA	2502
	kW	2001
Prime Power (PRP)	kVA	2256
	kW	1804

Size

	W x L x H (mm)	Weight (kg)	Fuel Tank (lt)	Noise dB (A) @ 7m
Canopied	2470 x 12220 x 3150	20225	3150	98
Open Skid	2250 x 6000 x 2750	12705	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		4016-61TRG3
No of Cylinders		16
Cylinder Configuration		V TYPE
Displacement	lt	61.123
Stroke	mm	190
Bore	mm	160
Compression Ratio		13:01
Aspiration		TURBOCHARGE-INTERCOOLER
Governor Type		ELECTRONIC
Cooling System		WATER
Coolant Capacity	lt	316
Lubrication Oil Capacity	lt	213
Electrical System	VDC	24
Speed / Frequency 50 Hz	rpm	1500 rpm / 50 Hz
Engine Gross Power (Standby 50 Hz)	kW	2183
Fuel Consumption 110% (ESP 50 Hz)	lt/h	528
Fuel Consumption 100% (PRP 50 Hz)	lt/h	473
Fuel Consumption 75% (PRP 50 Hz)	lt/h	373
Fuel Consumption 50% (PRP 50 Hz)	lt/h	235
Exhaust Outlet Temperature 50 Hz	°C	560
Exhaust Gas Flow 50 Hz	m3/min	590
Combustion Air Flow 50 Hz	m3/min	175
Cooling Air Flow 50 Hz	m3/min	2540

Alternator		
Manufacturer		LEROY-SOMER
Model		LSA 52.3 L9
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)		< 4%
Frequency	Hz	50
Voltage Output 50 Hz	VAC	230 / 400
Rated Power (Standby) 400_50 Hz	kVA	2596
Rated Power (Continuous) 400_50 Hz	kVA	2360
Efficiency (4/4_400 V_50 Hz)	%	96,2