



VS500PE-L

Output Power

Standby Power (ESP)	kVA	500
	kW	400
Prime Power (PRP)	kVA	455
	kW	364

Size

	W x L x H (mm)	Weight (kg)	Fuel Tank (lt)	Noise dB (A) @ 7m
Canopied	1684 x 5360 x 2250	4846	970	80
Open Skid	1650 x 3500 x 2050	3781	970	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		2506A-E15TAG1
No of Cylinders		6
Cylinder Configuration		INLINE
Displacement	lt	15,2
Stroke	mm	171
Bore	mm	137
Compression Ratio		16:01
Aspiration		TURBOCHARGE-INTERCOOLER
Governor Type		ELECTRONIC/ECM
Cooling System		WATER
Coolant Capacity	lt	58
Lubrication Oil Capacity	lt	62
Electrical System	VDC	24
Speed / Frequency 50 Hz	rpm	1500 rpm / 50 Hz
Engine Gross Power (Standby 50 Hz)	kW	451
Fuel Consumption 110% (ESP 50 Hz)	lt/h	104
Fuel Consumption 100% (PRP 50 Hz)	lt/h	95
Fuel Consumption 75% (PRP 50 Hz)	lt/h	72
Fuel Consumption 50% (PRP 50 Hz)	lt/h	50
Exhaust Outlet Temperature 50 Hz	°C	550
Exhaust Gas Flow 50 Hz	m3/min	81
Combustion Air Flow 50 Hz	m3/min	30,5
Cooling Air Flow 50 Hz	m3/min	722

Alternator		
Manufacturer		LEROY-SOMER
Model		TAL0473B
No of Phases		3
Power Factor		0,8
No of Bearings		SINGLE
No of Poles		4
No of Leads		6
Voltage Regulation (Steady State)		± 0,8%
Insulation Class		H
Degree of Protection		IP 23
Excitation System		AVR (Automatic Voltage Regulator), Brushless
Connection Type		STAR
Total Harmonic Content (No Load)		< 2,5%
Frequency	Hz	50
Voltage Output 50 Hz	VAC	230 / 400
Rated Power (Standby) 400_50 Hz	kVA	500
Rated Power (Continuous) 400_50 Hz	kVA	455
Efficiency (4/4_400 V_50 Hz)	%	94,4