



VS50PE-L

Output Power

Standby Power (ESP)	kVA	50
	kW	40
Prime Power (PRP)	kVA	45
	kW	36

Size

	W x L x H (mm)	Weight (kg)	Fuel Tank (lt)	Noise dB (A) @ 7m
Canopied	980 x 2650 x 1510	1148	90	65
Open Skid	950 x 2000 x 1230	834	90	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		1103A-33TG1
No of Cylinders		3
Cylinder Configuration		INLINE
Displacement	lt	3,3
Stroke	mm	127
Bore	mm	105
Compression Ratio		17,25:1
Aspiration		TURBOCHARGE
Governor Type		MECHANIC
Cooling System		WATER
Coolant Capacity	lt	10,2
Lubrication Oil Capacity	lt	8,3
Electrical System	VDC	12
Speed / Frequency 50 Hz	rpm	1500 rpm / 50 Hz
Engine Gross Power (Standby 50 Hz)	kW	46,5
Fuel Consumption 110% (ESP 50 Hz)	lt/h	12
Fuel Consumption 100% (PRP 50 Hz)	lt/h	10,7
Fuel Consumption 75% (PRP 50 Hz)	lt/h	8,2
Fuel Consumption 50% (PRP 50 Hz)	lt/h	5,7
Exhaust Outlet Temperature 50 Hz	°C	537
Exhaust Gas Flow 50 Hz	m3/min	7,7
Combustion Air Flow 50 Hz	m3/min	3,1
Cooling Air Flow 50 Hz	m3/min	53

Alternator		
Manufacturer		LEROY-SOMER
Model		TAL042F
No of Phases		3
Power Factor		0,8
No of Bearings		SINGLE
No of Poles		4
No of Leads		6
Voltage Regulation (Steady State)		± 1%
Insulation Class		H
Degree of Protection		IP 23
Excitation System		AVR (Automatic Voltage Regulator), Brushless
Connection Type		STAR
Total Harmonic Content (No Load)		< 2%
Frequency	Hz	50
Voltage Output 50 Hz	VAC	230 / 400
Rated Power (Standby) 400_50 Hz	kVA	50
Rated Power (Continuous) 400_50 Hz	kVA	45
Efficiency (4/4_400 V_50 Hz)	%	88,7