



VS22PE-L

Output Power

Standby Power (ESP)	kVA	22
	kW	17,6
Prime Power (PRP)	kVA	20
	kW	16

Size

	W x L x H (mm)	Weight (kg)	Fuel Tank (lt)	Noise dB (A) @ 7m
Canopied	730 x 1750 x 1200	612	75	66
Open Skid	700 x 1350 x 1050	445	75	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		404A-22G1
No of Cylinders		4
Cylinder Configuration		IN-LINE
Displacement	lt	2,216
Stroke	mm	100
Bore	mm	84
Compression Ratio		23,3:1
Aspiration		NATURALLY ASPIRATED
Governor Type		MECHANICAL
Cooling System		WATER
Coolant Capacity	lt	7
Lubrication Oil Capacity	lt	10,6
Electrical System	VDC	12
Speed / Frequency 50 Hz	rpm	1500 rpm / 50 Hz
Engine Gross Power (Standby 50 Hz)	kW	20,6
Fuel Consumption 110% (ESP 50 Hz)	lt/h	6,1
Fuel Consumption 100% (PRP 50 Hz)	lt/h	5,3
Fuel Consumption 75% (PRP 50 Hz)	lt/h	4
Fuel Consumption 50% (PRP 50 Hz)	lt/h	2,9
Exhaust Outlet Temperature 50 Hz	°C	505
Exhaust Gas Flow 50 Hz	m3/min	3,94
Combustion Air Flow 50 Hz	m3/min	1,45
Cooling Air Flow 50 Hz	m3/min	35,4

Alternator		
Manufacturer		LEROY-SOMER
Model		TAL040F
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)		< %3,5
Frequency	Hz	50
Voltage Output 50 Hz	VAC	230 / 400
Rated Power (Standby) 400_50 Hz	kVA	22
Rated Power (Continuous) 400_50 Hz	kVA	20
Efficiency (4/4_400 V_50 Hz)	%	86,7