



VOLTAGE	STANDBY OUTPUT (ESP)		PRIME OUTPUT (PRP)		OUTPUT AMP
	kW	kVA	kW	kVA	
400/230	40	50	36	45	72A

The above ratings represent the generating set capability guaranteed within $\pm 3\%$ at the reference conditions equivalent to those specified in ISO-8528/1 standard.

ESP - Emergency Standby Power: It is the maximum 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 h of operation per year with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. The permissible average power output over 24 h of operation shall not exceed 70 % of the ESP.

PRP - Prime Power:

It is defined as being the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load when operated for an unlimited number of hours per year under the agreed operating conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturer. The permissible average power output over 24 h of operation shall not exceed 70 % of the prime power.

MAIN SPECS

Genset Model	F-K50LS
Frequency (Hz)	50
Fuel Type	DIESEL
Engine	KUBOTA
Alternator	LEROY SOMER
Control Panel	DEEP SEA DSE6110
Canopy Type	F-2270 SOUNDPROOF
Circuit Breaker	4P ABB
Battery Charger	INCLUDED



ENGINE SPECS

Engine Brand	KUBOTA
Model	V3800DI-T-E2BG
Number of Cylinder (L)	4 cylinders - in line
Bore (mm.)	100
Stroke (mm.)	120
Displacement (lt.)	3.769
Aspiration	Turbocharged
Compression Ratio	21.8
RPM	1500
Total Lubricating Capacity (lt)	13.2
Exhaust Temperature C (max)	500
Max Exhaust Gas Flow (m3/min)	9.99
Radiator Cooling Air Flow (m3/s)	1.19
Max. Allowed Back Pressure (kPa)	7.1
Fuel Type	Diesel
Governor System	Electronic
Operating Voltage (Vdc)	12 Vdc
Injection Type	Direct Injection
Cooling Method	Water Cooled
Coolant Capacity (lt)	13.2
Emission Regulation	EU Stage II
Fuel Cons. Prime With %100 Load (lt/hr)	11.60
Fuel Cons. Prime With %75 Load (lt/hr)	10.30
Fuel Cons. Prime With %50 Load (lt/hr)	7.20

ALTERNATOR SPECS

Manufacturer	LEROY SOMER
Model	TAL042F
Frequency (Hz)	50
AVR	R120
VOLTAGE (V)	400
Phase	3
Excitation System	SHUNT
Voltage Regulation	(+/-)1%
Insulation System	H
Protection	IP23
Rated Power Factor	0.8



Fuel Tank Capacity	50 lt
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