



Zahrat Ajman Co.

P100 - P110(S)

Ratings @ 0.8 PF		Prime Rating	Stand-by Rating
Voltage*1	Frequency*2	P 100*3	P 110S*4
230/400 V	50 Hz	100KVA	110 KVA
277/480v	60Hz	115KVA	126 KVA

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

Gensets Small Range

Technical

Engine model

Cylinders	Perkins 1104C-44TAG2	
Aspiration	4 - vertical in-line	
Combustion	Turbocharged, air to air charge cooled	
Cooling System	Direct injection	
Displacement	Water cooled	
Oil consumption	4.4 liters	
Lube oil capacity	0.15 % of fuel consumption	
Coolant capacity	8 liters	
Governor	12.6 liters	
Speed	Electronic	
Fuel Consumption @ 100% Load	1500 rpm	1800 rpm
Fuel Consumption @ 75% Load	22.6 L/H	26.9 L/H
Fuel Consumption @ 50% Load	17.1 L/H	20.2 L/H
Radiator Cooling Air Flow	11.2 L/H	14.1 L/H
Max exhaust gas flow	165.6 m3/min	225.6 m3/min
Emissions regulations	16.3 m3/min	20.4 m3/min
	EU2007 (EU97/68 EC Stage II)	

Dimensions

Length	2050 mm
Width	770 mm
Height	1260 mm
Weight	1150 Kg

The above performance data are valid as per the following specs:

- Diesel Fuel is according to BS2869 Class A2 or equivalent.
- Lubricating oil is according to API CH4 (15W/40).
- The coolant should be 50% antifreeze and 50% distilled water.

Alternator model

Regulation	Leroy Somer TAL044D	
International protection	$\pm 1\%$	
Insulation class	IP23	
Terminals	H	
Frequency	6	
Coolant Air flow	50 Hz	60 Hz
	0.25 m3/s	0.30 m3/s



Image shown may not reflect actual package

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