

Power Output Ratings		50 Hz / 400 V	60 Hz / 440 V
Standby Power (ESP)	kVA	1609	1612
	kW	1287	1290
Prime Power (PRP)	kVA	1500	1506
	kW	1200	1205

Engine			
Manufacturer		PERKINS	
Origin		U.K.	
Model		4012-46TWG4A	
No of Cylinder / Configuration		12 - V TYPE	
Displacement	lt	45,842	
Bore / Stroke	mm	160 / 190	
Compression Ratio		13:1	
Aspiration		Turbocharged and Air-to-Water Charged Cooled	
Governor Type		ELECTRONIC	
Cooling System		WATER	
Coolant Capacity	lt	201	
Lubrication Oil Capacity	lt	177	
Electrical System	VDC	24	
Speed / Frequency		1500 rpm / 50 Hz	1800 rpm / 60 Hz
Engine Gross Power	kWm	1396	1396
Fuel Consumption	lt/h	110 %	350
		100 %	316
		75 %	233
		50 %	160
Exhaust Outlet Temperature	°C	470	505
Exhaust Gas Flow	m³/min	285	325
Combustion Air Flow	m³/min	118	122
Cooling Air Flow	m³/min	TBA	TBA

Alternator			
Manufacturer		MARELLI	
Origin		ITALY	
Model		MJB450MB4	
No of Phase		3	
Power Factor		0,8	
No of Bearing		SINGLE	
No of Poles		4	
No of Leads		6	
Voltage Regulation (Steady State)		± %0,5	
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	60
Voltage Output	VAC	230 / 400	254 / 440
Rated Power (Standby)	kVA	1620	1860
Efficiency	%	95,9	96,1

	W x L x H (mm)	Weight (kg)	Fuel Tank (lt)	Noise (dBA)
Canopied	2468 x 9145 x 3700	17463	2720	TBA
Open Skid	1880 x 4800 x 2410	9763	2500	TBA

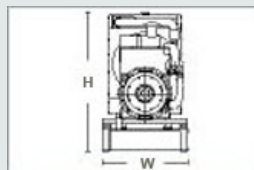
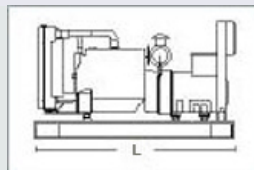


Standby Power

Standby power is defined as 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 500 hours of operation per year under average of 70% load. Overloading is not permissible.

Prime Power

Prime power is defined as being 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 hours.



- Technical information and values are according to ISO8528, ISO3046,NEMA MG-1.22, IEC 60034-1, BS 4999-5000, VDE 0530 standards.
- Producing with ISO9001, ISO14001, OHSAS18001, TSE, CE standards.
- All information given in this leaflet is intended for general purposes only. Due to a policy continuous improvement Teksan reserves the right to amend details and specifications without notice and all information given is subject to the Teksan's current condition of sales.

TBA: To Be Ask TBD: To Be Determined NA: Not Available N/A: Not Applicable

TTD1610PE0309-EN

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