

Power Output Ratings

50 Hz / 400 V

Standby Power (ESP)	kVA	1609
	kW	1287
Prime Power (PRP)	kVA	1500
	kW	1200

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 Charge 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
Engine Gross Power	kWm	1396
Fuel Consumption	lt/h	110 %
		100 %
		75 %
		50 %
Exhaust Outlet Temperature	°C	470
Exhaust Gas Flow	m³/min	285
Combustion Air Flow	m³/min	118
Cooling Air Flow	m³/min	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
Voltage Output	VAC	230 / 400
Rated Power (Standby)	kVA	1620
Efficiency	%	95,9

	W x L x H (mm)	Weight (kg)	Fuel Tank (lt)	Noise dB(A)
Canopied	2468 x 9145 x 3700	17463	2440	TBA
Open Skid	1880 x 4800 x 2350	9763	2500	TBA

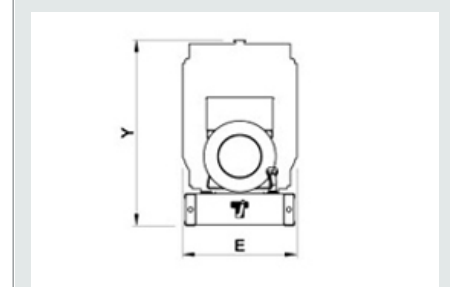
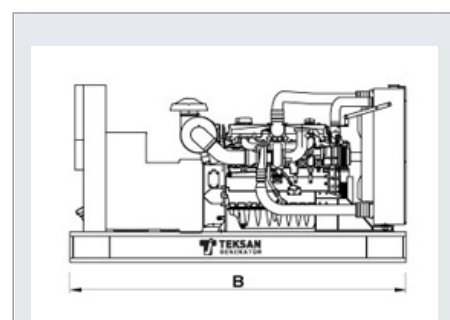


Standby Power

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

TTD1600PE5A0510-EN

www.teksangenerator.com

