

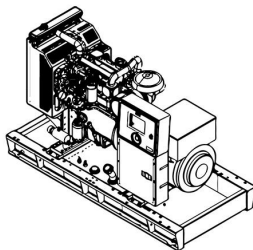


Output Power

Standby Power (ESP)	kVA	153
	kW	122
Prime Power (PRP)	kVA	138
	kW	110

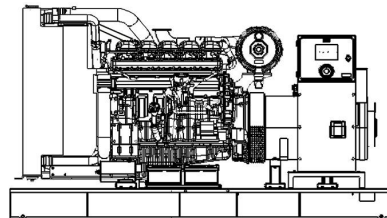
Size

	W x L x H (mm)	Weight (kg)	Fuel Tank (lt)	Noise dB(A) @ 1m
Enclosed Gen Set	1100 x 3320 x 1600	1902	260	To be asked
Open Gen Set	1100 x 2350 x 1350	1497	260	To be asked



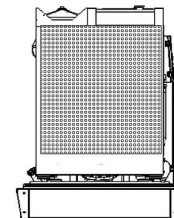
- CONTINUOUS POWER

The maximum power which a generator 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		1106A-70TG1
Cylinder Configuration		INLINE
No of Cylinders		6
Displacement	lt	7,01
Stroke	mm	135
Bore	mm	105
Compression Ratio		18,2:1
Aspiration		TURBOCHARGE-INTERCOOLER
Governor Type		MECHANIC
Cooling System		WATER
Coolant Capacity	lt	21
Lubrication Oil Capacity	lt	16,5
Electrical System	VDC	12
Speed / Frequency 50 Hz	rpm	1500 rpm / 50 Hz
Engine Gross Power (Standby 50 Hz)	kW	137
Fuel Consumption 110 % 50 Hz	lt/h	33,8
Fuel Consumption 100 % 50 Hz	lt/h	30,28
Fuel Consumption 75 % 50 Hz	lt/h	22,7
Fuel Consumption 50 % 50 Hz	lt/h	15,9
Exhaust Outlet Temperature 50 Hz	°C	576
Exhaust Gas Flow 50 Hz	m3/min	22,66
Combustion Air Flow 50 Hz	m3/min	8,09
Cooling Air Flow 50 Hz	m3/min	182

Alternator

Manufacturer		MARELLI
Model		MJB250MA4
No of Phases		3
Power Factor		0,8
No of Bearings		SINGLE
No of Poles		4
No of Leads		12
Voltage Regulation (Steady State)		± %0,5 [In Steady State, Speed from (-%2) to (+%5) and CosØ=0,8-1]
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 50 Hz	VAC	230 / 400
Rated Power (Standby) 400 50 Hz	kVA	180
Efficiency (4/4 400 V 50 Hz)	%	92,9

- STANDARD EQUIPMENTS

Diesel Engine

Hertz generator sets are compliance with ISO 8528, ISO 3046, BS 5514, DIN 6271 standarts. They have engines with low fuel consumption, providing accurate speed setting and order, mounted fuel pump, also have mechanic or electronic type governors.

Alternator

Hertz generator sets have alternators from world leading manufactures with, high quality, productivity and durability. Alternators are according to EC 60034-1; CEI EN 60034-1; BS 4999-5000; VDE 0530, NF 51- 100,111; OVE M-10, NEMA MG 1.22. standarts, have bearing system that does not need maintenance, with electronic type voltage regulator providing voltage setting.

Controler

Standard control panel, that is used in Hertz generator sets using state of art technology controllers. They ensures comfortable and safe usage. All measured and statistical parameters, operating modes, notice and alarms and condition of generator are monitored easily from the control panel.

In less than 1600 kVA power generator sets fuel tank is produced as integrated to the chassis. In more than 1600 kVA power generator sets rectangular type fuel tank is provided with generator set seperately. In all types of fuel tank have its level indicator.



- ENCLOSURE

- Hertz Generator sets enclosure are compatible with 2000/14/EC directives, certified noise emission level, <
- They have 2 or 4 points transport possibility according to cabin size,
- Exhaust is hidden inside the canopy,
- Thanks to improved air suction channel to ensure homogenous cooling in the canopy. The air then pass through the radiator and discharge air from the top of the enclosure like wise the exhaust gas discharge,
- Lid on cab that provides to be filled up water and antifreeze easily to the radiator,

Special super silent canopies are available upon request.

- OPTIONAL FEATURES

- Medium voltage alternator,
- Remote radiator applications,
- Automatic fuel filling system,
- Fuel tank, oil pan, dashboard, alternator, coil heaters,
- Alternator with double AVR and PMG,
- Synchronization systems,
- Remote monitoring.

- CONTROL PANEL

- The new generation genset control unit combining multi-functionality and wide communication possibilities together with a reliable and low cost design.
- The unit complies and mostly exceeds world's tightest safety, EMC, vibration and environmental standards for the industrial category.
- Software features are complete with easy firmware upgrade process through USB port. The Windows based PC software allows monitoring and programming through USB, RS-485, Ethernet and GPRS.
- The PC and server based Rainbow Scada software allows monitoring and control of an unlimited number of gensets from a single central location.



- FUNCTIONS

- AMF unit with uninterrupted transfer
- ATS unit with uninterrupted transfer
- Remote start controller
- Manual start controller
- Engine controller
- Remote display & control unit
- Waveform display of V & I
- Harmonic analysis of V & I
- CTs at genset or load side

- COMMUNICATIONS

- SM-GPRS
- Web monitoring
- Web programming
- GSM-SMS
- e-mail
- USB Device
- RS-232

- TOPOLOGIES

- 2 phase 3 wires, L1-L2
- 2 phase 3 wires, L1-L3
- 3 phase 3 wires, 3 CTs
- 3 phase 3 wires, 2 CTs (L1-L2)
- 3 phase 3 wires, 2 CTs (L1-L3)
- 3 phase 4 wires, star
- 3 phase 4 wires, delta
- 1 phase 2 wires

- Technical information and values are according to ISO8528, ISO3046, NEMA MG-1.22, IEC 600341, BS 4999-5000, VDE 0530 standards
- All information given in this leaflet is intended for general purposes only.
- Hertz reserves the right to amend details and specifications without notice and all information given is subject to the Hertz's current condition of sales.