

MODEL	POWER		VOLTAGE	FREQUENCY	POWER FACTOR	CURRENT
	PRIME	STAND BY				
MP-12E4	10.3 Kw/12.9 KVA	11.5 Kw/14.3 KVA	208V	60Hz	0.8	40 A
MP-12E4	10.3 Kw/12.9 KVA	11.5 Kw/14.3 KVA	440V	60Hz	0.8	19 A
MP-12E4	10.3 Kw/12.9 KVA	11.5 Kw/14.3 KVA	480V	60Hz	0.8	17 A



ENCLOSED GENERATOR SET



OPEN GENERATOR SET

* Note: All pictures shown are for illustration purpose only. Actual product may vary due to product enhancement.

Specifications

Generator set

Model	MP-12E4
Engine	PERKINS 403F-15G EPA Tier 4 final
Alternator	STAMFORD SOL1-L1
Control Panel	Electronic
Phases	Three-phase
Fuel Tank	11 Gallons / 25 Gallons
Electric System	12V.
Frequency	60Hz
Cooling Fan Air Flow	30.6 m3/min
Combustion Air Flow	1.3 m3/min
Exhaust Gas Flow	2.8 m3/min
Exhaust Gas Temperature	440°C

Enclosed Genset Noise Level @ 7m	Maximum	Env. Noise
	65+2(ref) dBA	50 dBA

Engine

Number of Cylinders	3 in-line
Governor Type	Mechanical
Cycle	4-Stroke
Aspiration	Naturally aspirated
Fuel	Diesel
Combustion System	Indirect Injection
Cooling Method	Coolant
Bore	84.0 mm
Stroke	90.0 mm
Displacement	1496 cc
Compression Ratio	22.5:1
Lubrication System Capacity	6.0 liters
Cooling System Capacity	6.0 liters

Fuel consumption

Engine speed	1800 RPM
	l/hr
Stand by Power (2)	4.2
Prime Power (1)	3.9
75% Prime Power (1)	3.1
50% Prime Power (1)	2.4

Alternator

Insulation System	Clase «H»
Exciter Type	Self exciter
Voltage Regulation Card	AS540 ± 1.0%
Protection Class	IP 23

Technical Standards

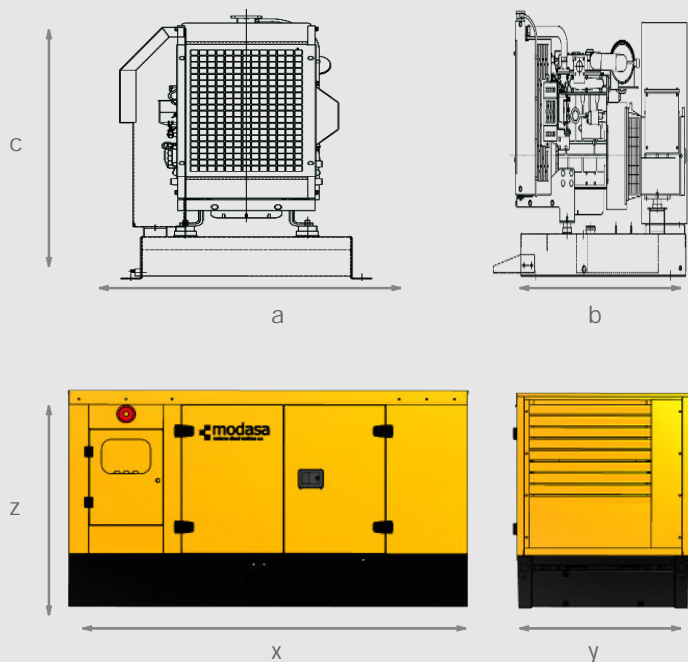
Engine :	ISO 3046, BS 5514, DIN 6271
Alternator :	IEC EN 60034, BS 5000, IEC 34
	VDE 0530, NEMA MG1-32
	CSAC22.2-100, ASI 1359
Generator set:	ISO 8528, ISO 9001:2015

(1) Prime Power: Available power under variable load for unlimited hours per year (ISO8528-1). Allows 10% power surge for one hour, every 12 hours

(2) Stand by Power: Available power under variable load, whenever the commercial network breaks down. Does not accept surges (ISO8528-3); it has 500 hours usage limit per year or 300 continuous hours instead

Dimensions

Dimensions and weights	a	b	c	Weight	Ø Exh.
	1605 mm	666 mm	992 mm	450 Kg	2"
	x	y	z	Weight	Ø Exh.
	1760 mm	939 mm	1193 mm	690 Kg	2.5"



Control panel



Outfitted with the most recent age electronic digital control panel, it allows starting, controlling, protecting and stopping the generator set in manual and automatic modes. Performs automatic transfer.

Measurements shown with alpha-numeric characters on the digital screen:

- Voltage of the three phases L - L and L - N
- Current of the three phases L1, L2, L3
- Frequency
- Rotation speed.
- Battery voltage
- Working time
- Oil pressure
- Cooling temperature

Optional Accesories

- Residential muffler. (included in Silent Genset)
- Monoblock water heater
- Alternator dehumidifying resistance
- Automatic transfer board
- Variety of voltages
- Remote speed/voltage potentiometer
- Fuel level electric meter

Protections:

- Starter failure
- Stop failure
- Low oil pressure
- High temperature of the motor
- Low/High frequency
- Low/High generator voltage
- Low/High battery voltage
- Emergency stop
- Overload fault
- CAN diagnosis

M: Modasa / P: PERKINS Engine / 120000: Genset Power Reference / Q: 50 Hz 1500 RPM / I: Enclosed / M:Single-phase / E: EPA Tier

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