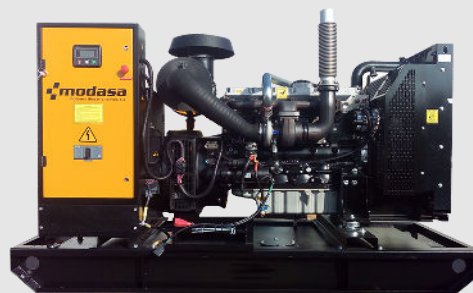


MODEL	POWER		VOLTAGE	FREQUENCY	POWER FACTOR	CURRENT
	PRIME	STAND BY				
MP-110E4	100 Kw/125 KVA	111 Kw/139 KVA	208V	60Hz	0.8	384 A
MP-110E4	100 Kw/125 KVA	111 Kw/139 KVA	440V	60Hz	0.8	182 A
MP-110E4	100 Kw/125 KVA	111 Kw/139 KVA	480V	60Hz	0.8	167 A



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-110E4
Engine	PERKINS 1204J-E44TTAG2 EPA Tier 4 final
Alternator	STAMFORD UCI 274D
Control Panel	Electronic
Phases	Three-phase
Fuel Tank	82 Gallons / 148 Gallons
Electric System	12V.
Frequency	60Hz
Cooling Fan Air Flow	186 m ³ /min
Combustion Air Flow	7.8 m ³ /min
Exhaust Gas Flow	15.5 m ³ /min
Exhaust Gas Temperature	530°C

Enclosed Genset Noise Level @ 7m	Maximum	Env. Noise
	75+2(ref) dBA	50 dBA

Engine

Number of Cylinders	4 in-line
Governor Type	Electronic
Cycle	4-Stroke
Aspiration	turbocharged air-to-air chargecooled
Fuel	Diesel
Combustion System	Direct injection
Cooling Method	Coolant
Bore	105.0 mm
Stroke	127.0 mm
Displacement	4400 cc
Compression Ratio	16.5:1
Lubrication System Capacity	7.0 liters
Cooling System Capacity	19.5 liters

Fuel consumption

Engine speed	1800 RPM l/hr
Stand by Power (2)	31.0
Prime Power (1)	27.9
75% Prime Power (1)	21.2
50% Prime Power (1)	14.9

Alternator

Insulation System	Clase «H»
Exciter Type	Self exciter
Voltage Regulation Card	SX460 ± 1.0%
Protection Class	IP 23

Technical Standards

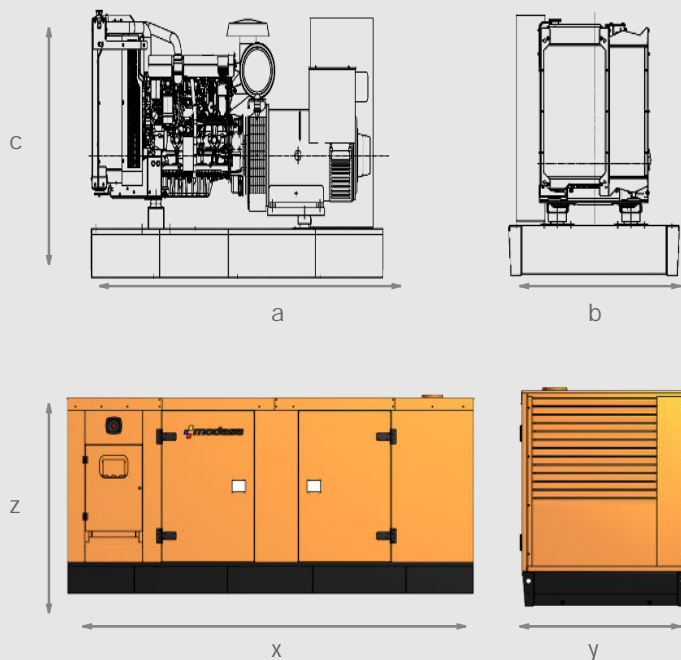
Engine :	ISO 3046, BS 5514, DIN 6271
Alternator :	BS EN 60034, BS5000, IEC34 VDE 0530, NEMA MG1-32 CSA C22.2-100, AS1359
Generator set:	ISO 8528, ISO 9001:2015

(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.
	2400 mm	980 mm	1368 mm	1590 Kg	3"
	x	y	z	Weight	Ø Exh.
	3408 mm	1339 mm	1900 mm	2370 Kg	5"



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
- PMG.

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

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 / 1100000: Genset Power Reference / Q: 50 Hz 1500 RPM / I: Enclosed / M: Single-phase / E: EPA Tier