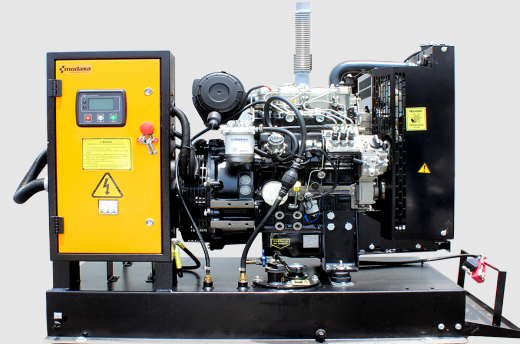


MODEL	POWER		VOLTAGE	FREQUENCY	POWER FACTOR	CURRENT
	PRIME	STAND BY				
MP-14	12.1 kW/15.1 kVA	13.4 kW/16.8 kVA	220V	60Hz	0.8	44 A
MP-14	11.4 kW/14.3 kVA	12.4 kW/15.5 kVA	380V	60Hz	0.8	24 A
MP-14	10 kW/12.5 kVA	11.1 kW/13.9 kVA	380V	50Hz	0.8	21 A



ENCLOSED GENERATOR SET



OPEN GENERATOR SET

## Specifications

### Generator set

Model	MP-14	
Engine	PERKINS 403D-15G Tier 4 interim	
Alternator	STAMFORD SOL 1-P1	
Control Panel	Electronic	
Phases	Three-phase	
Fuel Tank	11 Gallons / 25 Gallons	
Electric System	12V.	
Frequency	60Hz	50Hz
Cooling Fan Air Flow	35 m <sup>3</sup> /min	25 m <sup>3</sup> /min
Combustion Air Flow	1.23 m <sup>3</sup> /min	1.10 m <sup>3</sup> /min
Exhaust Gas Flow	3.36 m <sup>3</sup> /min	2.90 m <sup>3</sup> /min
Exhaust Gas Temperature	505°C	490°C

Enclosed Genset dBA @ 7m	Noise level	Env. noise
	65 + 2 dBA	50 dBA

Reference noise level

### 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	1500 RPM l/hr
Stand by Power (2)	4.9	4.1
Prime Power (1)	4.4	3.7
75% Prime Power (1)	3.4	2.8
50% Prime Power (1)	2.5	2.0

### Alternator

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

### Normas Técnicas Referenciales

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

The generator set is designed and manufactured at the MODASA facilities, certified according to the ISO 9001 standard.

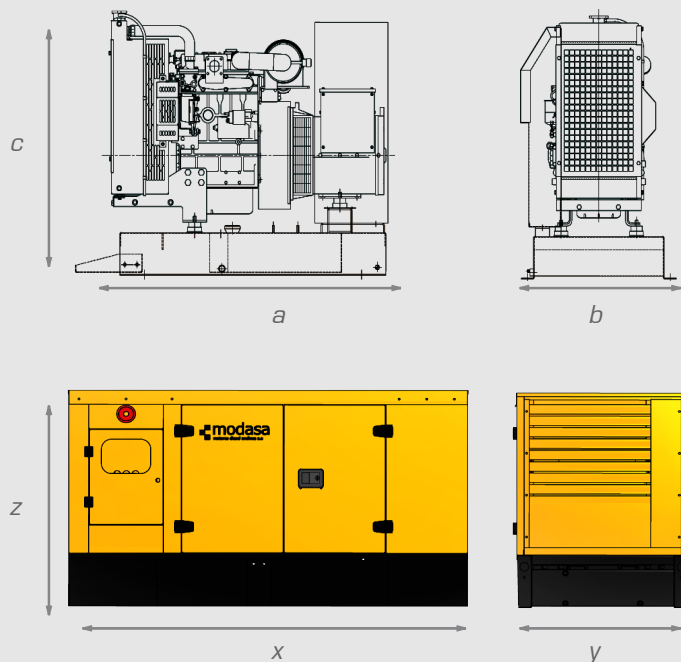
(1) Prime Power: Power available at variable load for an unlimited number of hours per year (ISO8528-1). Accepts overloads of 10% more than the power for one hour every 12 hours.

(2) Stand By Power: Power available with variable load in the event that the commercial network fails. Does not accept overloads (ISO8528-3); It has a usage limit of 500 hours per year or 300 continuous hours.

## Dimensions

Dimensions and weights	a	b	c	Weight	Ø Exh.
	1605 mm	708 mm	1118 mm	450 Kg	2"
	x	y	z	Weight	Ø Exh.
	1760 mm	939 mm	1193 mm	690 Kg	2.5"

\*Referential measurements, for more details request dimensional drawing



## Control panel



Outfitted with state of the art 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:

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

## Optional Accesories

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

### Protections:

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

M: Modasa / P: PERKINS Engine / 14: Potencia referencial del G.E. / / E: EPA Tier

\* Note: Images for reference, specifications are subject to change without notice.

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