

MODEL	POWER		VOLTAGE	FREQUENCY	POWER FACTOR	CURRENT
	PRIME	STAND BY				
MB-100s	90.8 Kw/113.5 KVA	100.0 Kw/124.9 KVA	220V	60Hz	0.8	328 A



ENCLOSED GENERATOR SET



OPEN GENERATOR SET

## Specifications

### Generator set

Model	MB-100s
Engine	BAUDOUIN 4M10G100/6
Alternator	MODASA LYG 274D
Control Panel	Electronic
Phases	Three-phase
Fuel Tank	41 Gallons / 59 Gallons
Electric System	12V.
Frequency	60Hz
Cooling Fan Air Flow	220 m3/min
Combustion Air Flow	9.1 m3/min
Exhaust Gas Flow	27.9 m3/min
Exhaust Gas Temperature	700°C

Enclosed Genset dBA @ 7m	Noise level	Env. noise
	72+2 (ref) dBA	50 dBA

Reference noise level

### Engine

Number of Cylinders	4 in-line
Governor Type	Electronic
Cycle	4-Stroke
Aspiration	Turbocharged aftercooled
Fuel	Diesel
Combustion System	Direct injection
Cooling Method	Coolant
Bore	105.0 mm
Stroke	118.0 mm
Displacement	4500 cc
Compression Ratio	17.5:1
Lubrication System Capacity	15.0 liters
Cooling System Capacity	22.4 liters

### Fuel consumption

Engine speed	1800 RPM l/hr
Stand by Power (2)	28.7
Prime Power (1)	26.0
75% Prime Power (1)	19.3
50% Prime Power (1)	13.0

### Alternator

Insulation System	Class «H»
Exciter Type	Self exciter
Voltage Regulation Card	SX460 ± 1.0%
Protection Class	IP 22

### Normas Técnicas Referenciales

Engine :	ISO 8528-1, ISO 3046, DIN 6271
Alternator :	BS EN 60034, BS5000, IEC34 VDE 0530, NEMA MG1-32 CSA C22.2-100, AS1359
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.

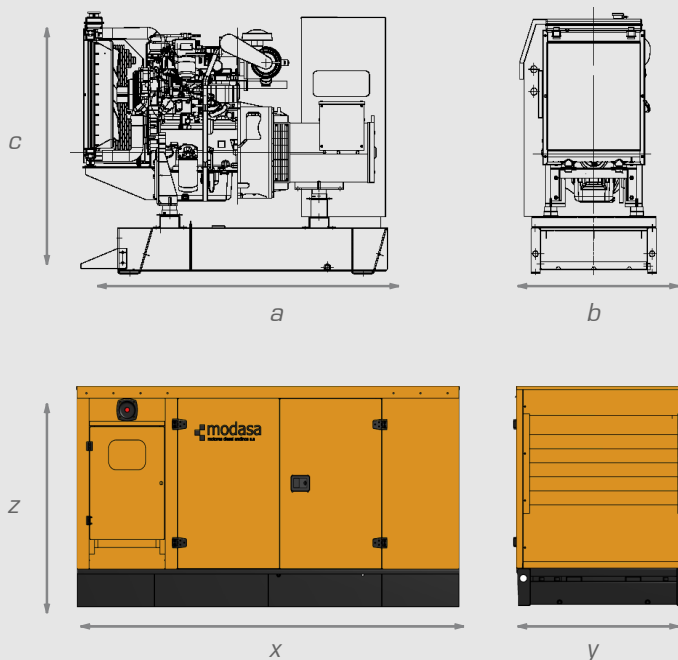
(2) Stand By Power: Power available with variable load in the event that the commercial network fails. Does not accept overloads (ISO8528-3); It has a usage limit of 500 hours per year or 300 continuous hours.



## Dimensions

Dimensions and weights	a	b	c	Weight	Ø Exh.
	2086 mm	814 mm	1303 mm	1130 Kg	2.5"
Dimensions and weights	x	y	z	Weight	Ø Exh.
	2700 mm	1089 mm	1599 mm	1610 Kg	3"

\*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 single phase L1
- 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
- Battery charger
- Variety of voltages
- Herramientas
- DEEP SEA control module
- 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 generator voltage
- Low battery voltage
- CAN diagnosis
- Starter failure
- Stop failure
- Overload fault
- Emergency stop

M: Modasa / B: BAUDOUIIN Engine / 100: Potencia referencial del G.E. / / E: EPA Tier

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

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