

MODEL	POWER		VOLTAGE	FREQUENCY	POWER FACTOR	CURRENT
	PRIME	STAND BY				
MP-165E4	145 Kw/181 KVA	154 Kw/193 KVA	208V	60Hz	0.8	534 A
MP-165E4	146 Kw/183 KVA	162 Kw/203 KVA	440V	60Hz	0.8	265 A
MP-165E4	146 Kw/183 KVA	162 Kw/203 KVA	480V	60Hz	0.8	244 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-165E4
Engine	PERKINS 1206J-E70TTAG3 EPA Tier 4 final
Alternator	STAMFORD UCI 274F
Control Panel	Electronic
Phases	Three-phase
Fuel Tank	82 Gallons / 148 Gallons
Electric System	12V.
Frequency	60Hz
Cooling Fan Air Flow	306 m3/min
Combustion Air Flow	13.6 m3/min
Exhaust Gas Flow	14.3 m3/min
Exhaust Gas Temperature	480°C

Enclosed Genset Noise Level @ 7m	Maximum	Env. Noise
	78+2(ref) dBA	50 dBA

Engine

Number of Cylinders	6 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	135.0 mm
Displacement	7010 cc
Compression Ratio	16.5:1
Lubrication System Capacity	16.0 liters
Cooling System Capacity	32.3 liters

Fuel consumption

Engine speed	1800 RPM l/hr
Stand by Power (2)	44.8
Prime Power (1)	41.1
75% Prime Power (1)	31.1
50% Prime Power (1)	21.7

Alternator

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

Technical Standards

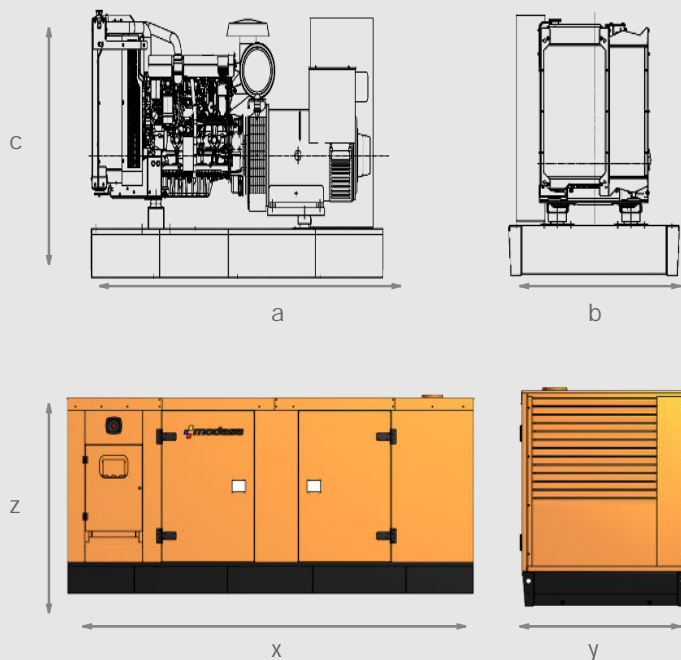
Engine :	ISO 3046, BS 5514, DIN 6271
Alternator :	BS EN 60034, BS5000, IEC34 VDE 0530, NEMA MG1-32 CSA C22.2-100, AS1359
Generator set:	ISO 8528, ISO 9001:2015

(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	1568 mm	2080 Kg	3"
	x	y	z	Weight	Ø Exh.
	3408 mm	1339 mm	2100 mm	2890 Kg	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:

- Current of the three phases L1, L2, L3
- Voltage of the three phases L - L and L - N
- Energy demand KWh, KVAh, KVAh
- Active energy KVAh
- Power factor
- Frequency
- Working time
- Memory of the last 250 events, description, date and time
- Active Power KW
- Reactive Power KVA
- Oil pressure
- Sequence of generator phases
- Oil temperature
- Air intake temperature
- Fuel temperature
- Exhaust gas temperature
- Cooling temperature
- Rotation speed.
- Battery voltage

Protections:

- Activated maintenance alarm set
- High temperature of the motor
- Low/High frequency
- Low oil pressure
- Low/High battery voltage
- Low/High generator voltage
- CAN diagnosis
- Starter failure
- Stop failure
- Negative phase sequence failure
- Over current failure
- Overload fault
- Emergency stop
- Loss of speed signal due to pickup disconnection.

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.

M: Modasa / P: PERKINS Engine / 165: Genset Power Reference / Q: 50 Hz 1500 RPM / I: Enclosed / M:Single-phase / E: EPA Tier

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