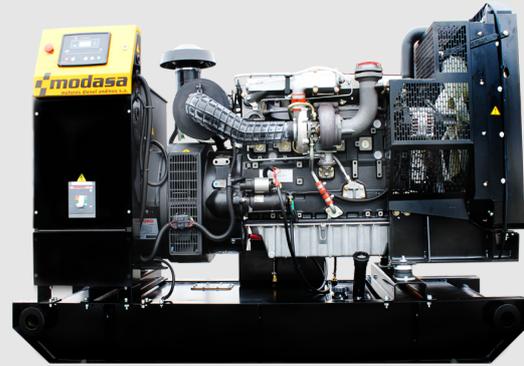


MODEL	POWER		VOLTAGE	FREQUENCY	POWER FACTOR	CURRENT
	PRIME	STAND BY				
MP-140ES	136 Kw/170 KVA	145 Kw/181 KVA	208V	60Hz	0.8	503 A



SILENT 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-140ES	
Engine	PERKINS 1106D-E70TAG2 EPA Tier 3	
Alternator	STAMFORD UCI 274F	
Control Panel	Electronic	
Phases	Three-phase	
Fuel Tank	Open: 82 Gallons / Silent: 148 Gallons	
Electric System	12V.	
Frequency	60Hz	50Hz
Cooling Fan Air flow	&, & m3/min'	&+\$ m3/min
Combustion Air flow	%(' (m3/min'	%%"\$ m3/min
Exhaust Gas flow	&- " m3/min'	&) "\$ m3/min
Exhaust Gas temperature	() \$ °C) %' °C

Genset Noise Level	Maximum	Ambient
Silent @ 7m	67 +/- 2 dBA	54 dBA

Engine

Number of Cylinders	6 in-line
Governor Type	Electronic
Cycle	4-Stroke
Aspiration	Turbocharger aftercooled
Fuel	Diesel
Combustion System	Direct injection
Cooling Method	Cooling liquid
Bore	105.0 mm
Stroke	135.0 mm
Displacement	7010cc
Compression Ratio	16.8:1
Lubrication Sys. Capacity	16.5 liters
Cooling Sys. Capacity	21 liters

Fuel Consumption

Engine Speed	1800 RPM	1500 RPM
	l/hr	l/hr
Stand-by Power (2)	(' "%	38.0
Prime Power (1)	' - "+	35.1
75% Prime Power (1)	' &"%	27.9
50% Prime Power (1)	&&"&	19.0

Alternator

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

Technical Standards

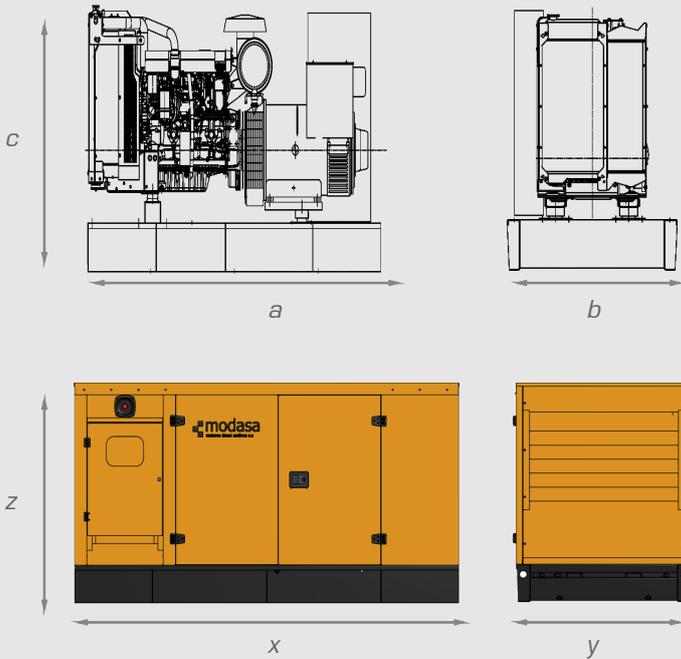
Engine :	ISO 3046, BS 5514, DIN 6271
Alternator :	IEC EN 60034, BS 5000, IEC 34 VDE 0530, NEMA MG1-32 CSAC22, 2-100, ASI 1359
Generator Set :	ISO 8528, ISO 9001:2015

(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) Standby 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	Exh. Ø
	2408 mm	952 mm	1520 mm	1680 kg	3"
Dimensions and Weights	x	y	z	Weight	Exh. Ø
	3408 mm	1339 mm	1900 mm	2490 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 display:

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

Optional Enhancements

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

Protection:

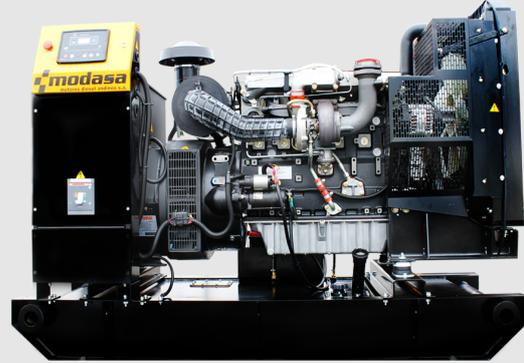
- Starter failure.
- Stop failure.
- Low oil pressure.
- High engine temperature.
- Low / High frequency.
- Low / High generator voltage.
- Low / High battery voltage.
- Emergency stop.
- Overload fault.
- CAN diagnosis.

M: Modasa / P: PERKINS Engine / 140: Genset Power Reference / Q: 50 Hz 1500 RPM / I: Silent / M: Single-phase / E: EPA Tier

MODEL	POWER		VOLTAGE	FREQUENCY	POWER FACTOR	CURRENT
	PRIME	STAND BY				
MP-140E	134 Kw/168 KVA	144 Kw/180 KVA	440V	60Hz	0.8	236 A
MP-140E	136 Kw/170 KVA	145 Kw/181 KVA	480V	60Hz	0.8	218 A



SILENT 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-140E
Engine	PERKINS 1106D-E70TAG2 EPA Tier 3
Alternator	STAMFORD UCI 274E
Control Panel	Electronic
Phases	Three-phase
Fuel Tank	Open: 82 Gallons / Silent: 148 Gallons
Electric System	12V.
Frequency	60Hz 50Hz
Cooling Fan Air flow	&, & m ³ /min &+ \$ m ³ /min
Combustion Air flow	%(" (m ³ /min %%"\$ m ³ /min
Exhaust Gas flow	&- " m ³ /min &) "\$ m ³ /min
Exhaust Gas temperature	() \$ °C)%' °C

Genset Noise Level	Maximum	Ambient
Silent @ 7m	67 +/- 2 dBA	54 dBA

Engine

Number of Cylinders	6 in-line
Governor Type	Electronic
Cycle	4-Stroke
Aspiration	Turbocharger aftercooled
Fuel	Diesel
Combustion System	Direct injection
Cooling Method	Cooling liquid
Bore	105.0 mm
Stroke	135.0 mm
Displacement	7010cc
Compression Ratio	16.8:1
Lubrication Sys. Capacity	16.5 liters
Cooling Sys. Capacity	21 liters

Fuel Consumption

Engine Speed	1800 RPM	1500 RPM
	l/hr	l/hr
Stand-by Power (2)	(' "%	38.0
Prime Power (1)	' - "+	35.1
75% Prime Power (1)	' &"%	27.9
50% Prime Power (1)	&&"&	19.0

Alternator

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

Technical Standards

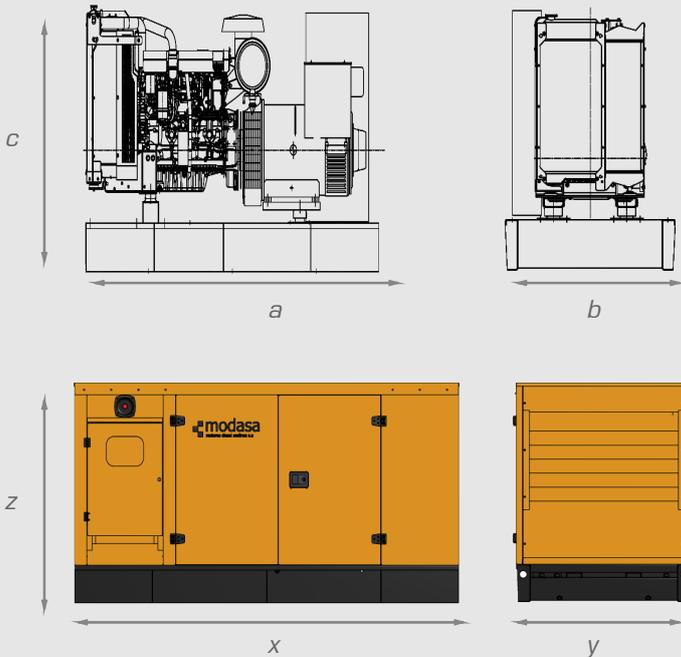
Engine :	ISO 3046, BS 5514, DIN 6271
Alternator :	IEC EN 60034, BS 5000, IEC 34 VDE 0530, NEMA MG1-32 CSAC22, 2-100, ASI 1359
Generator Set :	ISO 8528, ISO 9001:2015

(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) Standby 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	Exh. Ø
	2408 mm	952 mm	1520 mm	1642 kg	3"
Dimensions and Weights	x	y	z	Weight	Exh. Ø
	3408 mm	1339 mm	1900 mm	2452 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 display:

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

Optional Enhancements

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

Protection:

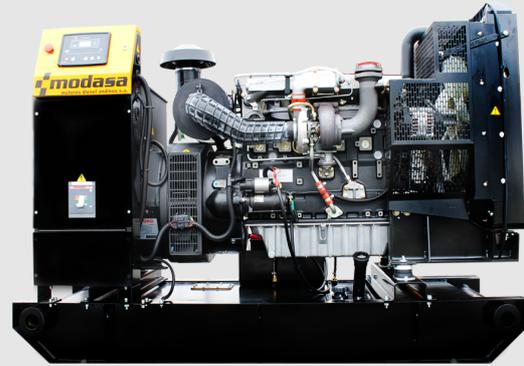
- Starter failure.
- Stop failure.
- Low oil pressure.
- High engine temperature.
- Low / High frequency.
- Low / High generator voltage.
- Low / High battery voltage.
- Emergency stop.
- Overload fault.
- CAN diagnosis.

M: Modasa / P: PERKINS Engine / 140: Genset Power Reference / Q: 50 Hz 1500 RPM / I: Silent / M: Single-phase / E: EPA Tier

MODEL	POWER		VOLTAGE	FREQUENCY	POWER FACTOR	CURRENT
	PRIME	STAND BY				
MP-140EM	123 Kw/123 KVA	136 Kw/136 KVA	240V	60Hz	1.0	567 A



SILENT 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-140EM
Engine	PERKINS 1106D-E70TAG2 EPA Tier 3
Alternator	STAMFORD UCI 274G
Control Panel	Electronic
Phases	Single-phase
Fuel Tank	Open: 82 Gallons / Silent: 148 Gallons
Electric System	12V.
Frequency	60Hz 50Hz
Cooling Fan Air flow	& , & m3/min' & + \$ m3/min
Combustion Air flow	% (" m3/min' % % " \$ m3/min
Exhaust Gas flow	& - " m3/min' &) " \$ m3/min
Exhaust Gas temperature	() \$ °C) % ' °C

Genset Noise Level	Maximum	Ambient
Silent @ 7m	67 +/- 2 dBA	54 dBA

Engine

Number of Cylinders	6 in-line
Governor Type	Electronic
Cycle	4-Stroke
Aspiration	Turbocharger aftercooled
Fuel	Diesel
Combustion System	Direct injection
Cooling Method	Cooling liquid
Bore	105.0 mm
Stroke	135.0 mm
Displacement	7010cc
Compression Ratio	16.8:1
Lubrication Sys. Capacity	16.5 liters
Cooling Sys. Capacity	21 liters

Fuel Consumption

Engine Speed	1800 RPM	1500 RPM
	l/hr	l/hr
Stand-by Power (2)	(' "%	38.0
Prime Power (1)	' - "+	35.1
75% Prime Power (1)	' & "%	27.9
50% Prime Power (1)	&& "&	19.0

Alternator

Insulation System	Class "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, BS 5000, IEC 34 VDE 0530, NEMA MG1-32 CSAC22.2-100, ASI 1359
Generator Set :	ISO 8528, ISO 9001:2015

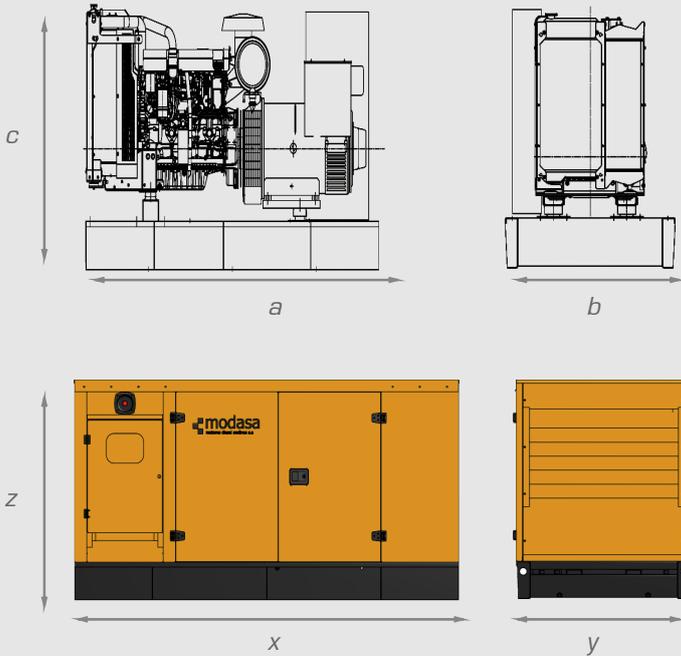
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Dimensions and Weights	x	y	z	Weight	Exh. Ø
	3408 mm	1339 mm	1900 mm	2540 kg	5"



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- Alternator dehumidifying resistance.
- Electronic governance.
- Automatic transfer board.
- Variety of voltages.
- Remote speed/voltage potentiometer.
- Fuel level electric meter.

Protection:

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

M: Modasa / P: PERKINS Engine / 140: Genset Power Reference / Q: 50 Hz 1500 RPM / I: Silent / M: Single-phase / E: EPA Tier

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Plant: Lurín Peru