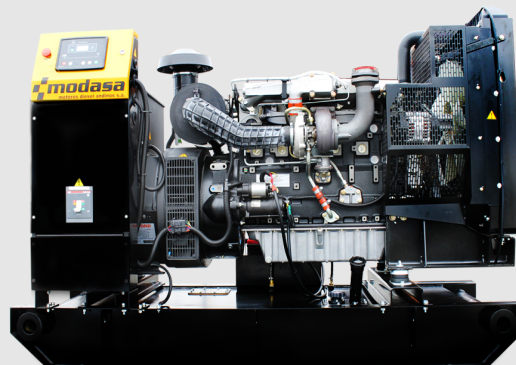


| MODEL | POWER | | VOLTAGE | FREQUENCY | POWER FACTOR | CURRENT |
|----------|----------------|----------------|---------|-----------|--------------|---------|
| | PRIME | STAND BY | | | | |
| MP-208ES | 190 Kw/238 KVA | 207 Kw/259 KVA | 208V | 60Hz | 0.8 | 718 A |



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-208ES |
| Engine | PERKINS 1106D-E70TAG5 EPA Tier 3 |
| Alternator | STAMFORD UCI 274H |
| Control Panel | Electronic |
| Phases | Three-phase |
| Fuel Tank | Open: 82 Gallons / Silent: 148 Gallons |
| Electric System | 24V. |
| Frequency | 60Hz |
| Cooling Fan Air flow | 482 m3/min |
| Combustion Air flow | 23.6 m3/min |
| Exhaust Gas flow | 59.6 m3/min |
| Exhaust Gas temperature | 512 °C |

| Silent Genset Noise Level @ 7m | Maximum | Ambient |
|-----------------------------------|--------------|---------|
| | 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 l/hr |
|---------------------|------------------|
| Stand-by Power (2) |) - "% |
| Prime Power (1) |) (" (|
| 75% Prime Power (1) | (' " |
| 50% Prime Power (1) | &- ") |

Alternator

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

Technical Standards

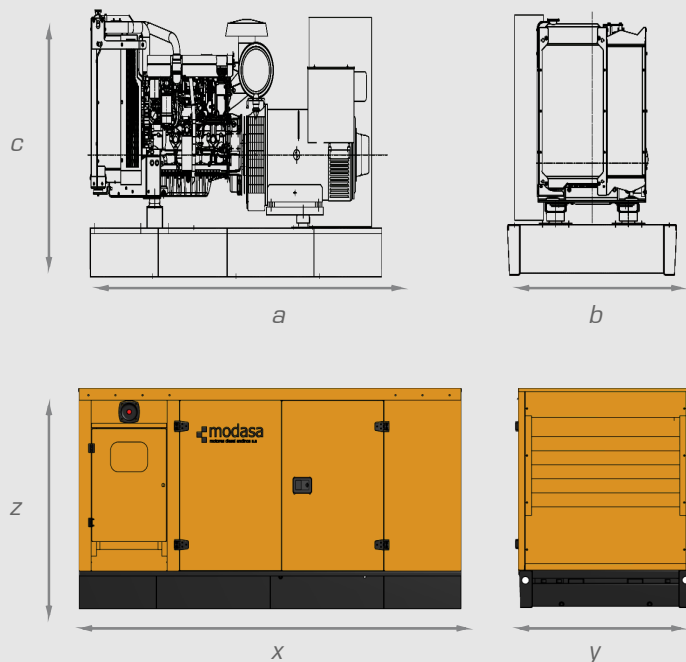
| | |
|-----------------|---|
| Engine : | ISO 3046, BS 5514, DIN 6271 |
| Alternator : | IEC EN 60034, BS 5000, IEC 34 VDE 0530, NEMA MG1-32 CSAC22, 2-100, ASI 1359 |
| Generator Set : | ISO 8528, ISO 9001:2015 |

(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 | 1726 kg | 3" |
| | x | y | z | Weight | Exh. Ø |
| | 3408 mm | 1339 mm | 1900 mm | 2536 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:

- Current of the three phases L1, L2, L3
- Energy demand KWh, KVAh, KVArh.
- 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.
- Voltage of the three phases L - L and L - N.

Protection:

- 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 Enhancements

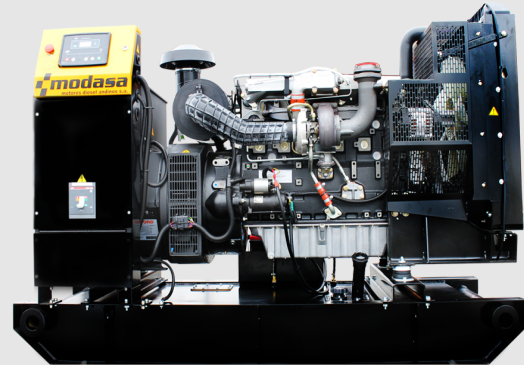
- Residential muffler. (included in Silent Genset)
- Monoblock water heater.
- Alternator dehumidifying resistance.
- Electronic governance.
- Automatic transfer board.
- Variety of voltages.
- Remote speed/voltage potentiometer.
- PMG
- Fuel level electric meter.

M: Modasa / P: PERKINS Engine / 208: 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-208E | 190 Kw/238 KVA | 208 Kw/260 KVA | 440V | 60Hz | 0.8 | 341 A |
| MP-208E | 190 Kw/238 KVA | 209 Kw/261 KVA | 480V | 60Hz | 0.8 | 314 A |



SILENT GENERATOR SET



OPEN GENERATOR SET

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Specifications

Generator Set

| | |
|-------------------------|--|
| Model | MP-208E |
| Engine | PERKINS 1106D-E70TAG5 EPA Tier 3 |
| Alternator | STAMFORD UCI 274H |
| Control Panel | Electronic |
| Phases | Three-phase |
| Fuel Tank | Open: 82 Gallons / Silent: 148 Gallons |
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| Displacement | 7010cc |
| Compression Ratio | 16.8:1 |
| Lubrication Sys. Capacity | 16.5 liters |
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Fuel Consumption

| Engine Speed | 1800 RPM l/hr |
|---------------------|------------------|
| Stand-by Power (2) | 59.1 |
| Prime Power (1) | 54.4 |
| 75% Prime Power (1) | 43.5 |
| 50% Prime Power (1) | 29.5 |

Alternator

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

Technical Standards

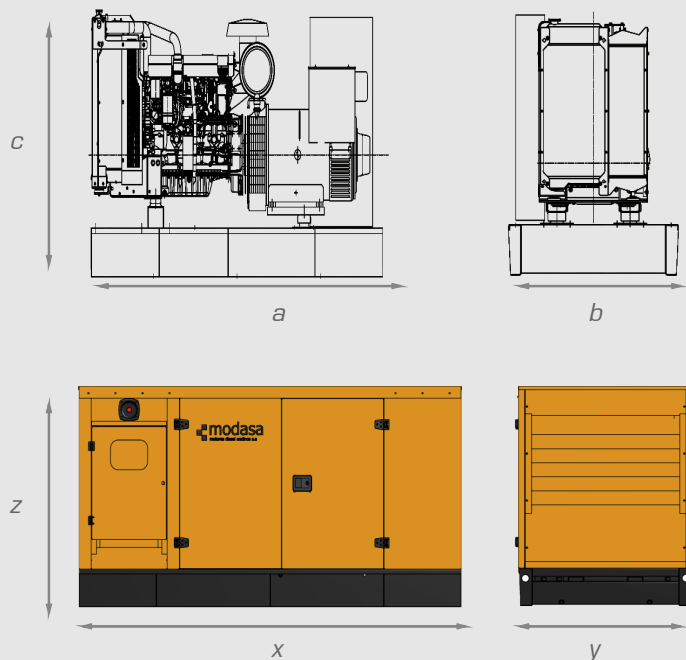
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