



\*Imagen de referencia.

## AC Series M-125KW

### Generating set technical data

Prime power(output)	<b>142kVA/114kW</b>
Standby power(output)	<b>155KVA/124KW</b>
Rated frequency	<b>60 Hz</b>
Rated speed	<b>1800 rpm</b>
Rated voltaje	<b>220/127V</b>
Phase	<b>3</b>
Power factor	<b>0.8</b>
Noise level @7mm db(A)(only for silent type)	<b>80</b>
Engine mode	<b>6BTAA5.9-G2</b>
Alternator model	<b>LYG 274D</b>
Fuel consumption of 75% load	<b>25Liters/h</b>
Fuel consumption of 100% load	<b>34Liters/h</b>

### Dimension, weight, fuel tank capacity

Generating set model	<b>M-125KW</b>
Length (L) (mm)	<b>3020</b>
Width (W)(mm)	<b>1040</b>
Height (H)(mm)	<b>1440</b>
Dry weight (kg)	<b>1650</b>
Tank capacity (L)	<b>250</b>
The loading capacity (40°C)	<b>6 Sets</b>

This data sheet is for reference only, please contact the salesman before ordering

### Features:

- High quality, reliable and complete generating sets.
- Every generating set carries a comprehensive test program which includes 0%, 25%, 50%, 75%, 100%, 110% loading% test, and series protecting function(example: Low oil pressure, High coolant temperature, over current/load etc.) check.
- Easy for operation and maintenance
- Compact structure & high-strength chassis
- Base frame design incorporates an integrated fuel tank for at least 8 hours running (up to 650KVA)
- The canopy body painting adopts the Henkel pretreatment process and the base frame painting adopts sandblasting + famous brand powder, the paint warranty period can be 1.5 years.
- High-performance free-maintenance batteries with isolation switch
- Anti-vibration pads are mounted between the engine/alternator feet and the base frame.
- Top lifting point and steel base frame with forklift holes, easy for transportation
- Compliance with international electrical safety standards
- Complete protection functions and safety levels
- A large number of optional configurations to meet the needs of various customers.

- Also available in the following voltages:  
415/240V, 440/254V, 220/127V, 480/277V  
(According to customer requirements)
- Rated Power/ prime power (PRP): Continuous running at variable load for unlimited periods with 10% overload available for 1 hour in any 12 hour period, in accordance with ISO8528
- Standby Power/Emergency Standby Power (ESP): The maximum power available during a variable electrical power sequence, no overload on these ratings, in accordance with ISO 8528



# AC Series M-125KW

# SOLDEPYE

## Engine Specifications

Engine model & manufacturer	6BTAA5.9-G2(Cummins)
Emission Certification	MEP Stage I
Number of cylinders	6
Cylinder arrangement	In-line
Cycle	Four stroke
Aspiration	Turbocharged & After cooler
Bore x Stroke	102x120 mm
Displacement	5.9Liter
Compression ration	17.3: 1
Prime power/speed	132kW/1800 rpm
Standby power/speed	145kW/1800 rpm
Speed governor	Electronic
Cooling system	Forced water cooling cycle
Frequency droop	≤ 3%
Total lubrication system capacity	16.4 Liter
Coolant Capacity (engine Only)	10 Liter
Fuel consumption 100% load	211 g/kW.h (at 1800 rpm)
Starter motor	DC24V
Charge alternator	DC24V

## Alternator Specifications

Alternator model	LYG 274D
Alternator manufacturer	Tipo Stamford
Reted frequency/Reted speed	60 Hz/1800 rpm
Reted output prime power	150 kVA
reted voltage	220V
Phase	3
Power factor	0.8
Efficiency %	91.7%
Exciter type	Self excited, Brushless
Voltage adjust range	≥ 5,0%
Voltege regulation	≤ +1.0%
Insulation grade	H
Protection grade	IP 23

- Heavy duty FAW diesel engine
- Four stroke, water cooled, turbocharged aspirated
- Direct injection fuel system
- Electronic governor system
- 24V DC starter and charge alternator
- Replaceable fuel filter and dry element air filter
- Cooling radiator and fan
- Starter battery (with lead acid) including rack and cables)
- Flexible fuel connection hoses and manual oil sump drain valve
- Industrial capacity exhaust silencer and steel bellows
- Operation manuals and circuit diagram documents



## Alternator Optional

Optional alternator Brand	Leroy Sommer	Mecc alte	Stamford
Optional alternator mode	TAL-A44-H	ECP34 2M4C	UCI 274E
Exiter type	Self-excited	Self - excited	Self-excited
Rated output prime power	150 KVA	150 kVA	167 KVA



## Control System

- All MPMC generating sets have control cabinet mounted on the gen-set base frame.

**NANO3 (CompAp)**



Suitable for ≤ 250kVA Gen-sets

**DSE4520 (Deepsea)**



Suitable for > 250kVA Gen-sets

**DSE7320(Deepsea)**



Suitable for all series Gen-sets

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### The controller LCD display

- Voltage between phases (L-L)
- Voltage between neutral and phase(L-N)
- Frequency
- 3 Phase current
- Real power(kW) and apparent power (kVA)
- Power Factor
- Engine speed
- Running hours
- Coolant temperature
- Oil Pressure
- Battery Voltage
- LCD alarm indication
- 3 Phase mains (utility) Sending

### Protecting Functions

- Emergency stop button
- High coolant temperature
- Low oil pressure
- Over current/load
- Under/over speed, frequency & voltage
- Low/high battery voltage
- Low coolant level

NANO3 Control system	DSE4520 Control system	DSE7320 Control system
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✓	✓	✓
X	✓	✓
✓	✓	✓
✓	✓	✓
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✓	✓	✓
✓	✓	✓
✓	✓	✓
X	✓	✓

OPTIONAL    OPTIONAL    OPTIONAL

### Controller Optional

IL-NT-AMF25(ComAp)



IC-NT-MINT(ComAp)



DSE8610(Deepsea)



HGM6120(SmartGen)



### Engine

- Water Jacket Preheater
- Oil Preheater
- Oil manual pump
- Water separator

### Alternator

- PMG excitation
- Space heater
- Winding temperature measuring
- Parallel droop device

### Fuel System

- 12/24 hour base tank
- Dual wall base fuel tank
- Outside fuel tank
- Automatic fuel feeding
- Switch between external tank and base tank (three-way valve)

### Generating Set

- Tools with the machine
- Customized instructions, materials, nameplates and toolboxes
- Charger
- Elec-oil level gauge



# SoldePYE



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# HORAS



## ¡Hablemos!