



## ASC Series M-240KW

\*Imagen de referencia.

### Generating set technical data

Prime power(output)	<b>275kVA/220kW</b>
Standby power(output)	<b>300KVA/240 KW</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>75</b>
Engine mode	<b>6DTAA8.9-G23</b>
Alternator model	<b>LYG 274G</b>
Fuel consumption of 75% load	<b>42.5 Liters/h</b>
Fuel consumption of 100% load	<b>58.9 Liters/h</b>

### Dimension, weight, fuel tank capacity

Generating set model	<b>M-240KW</b>
Length (L) (mm)	<b>3420</b>
Width (W)(mm)	<b>1220</b>
Height (H)(mm)	<b>1762</b>
Dry weight (kg)	<b>2450</b>
Tank capacity (L)	<b>460</b>
The loading capacity (40°C)	<b>3 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 desing incorporates an integrate fuel tank for at least 8 hours running (up to 650KVA)
- The canopy body painting adopts the 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 marching optional to meet 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

# ASC Series M-240KW

# SOLDEAR

## Engine Specifications

Engine model & manufacturer	<b>6DTAA8.9-G23(DEC)</b>
Emission Certification	<b>T2 China</b>
Number of cylinders	<b>6</b>
Cylinder arrangement	<b>In-line</b>
Cycle	<b>Four stroke</b>
Aspiration	<b>Turbocharged &amp; After cooler</b>
Bore x Stroke	<b>114x144 mm</b>
Displacement	<b>8.82 Liter</b>
Compression ration	<b>18: 1</b>
Prime power/speed	<b>255kW/1800 rpm</b>
Standby power/speed	<b>282kW/1800 rpm</b>
Speed governor	<b>Electronic</b>
Cooling system	<b>Forced water cooling cycle</b>
Frequency droop	<b>≤ 1%</b>
Total lubrication system capacity	<b>19 Liter</b>
Coolant Capacity (engine Only)	<b>12 Liter</b>
Fuel consumption 100% load	<b>210 g/kW.h (at 1800 rpm)</b>
Starter motor	<b>DC24V</b>
Charge alternator	<b>DC24V</b>

- Heavy duty FAW diesel engine
- Four stroke, water cooled, turbocharged
- Direct injection fuel system
- Electronic governor system
- 12V 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)
- Operation manuals and circuit diagram documents

## Alternator Specifications

Alternator model	<b>LYG 2741</b>
Alternator manufacturer	<b>Tipo Stamford</b>
Rated frequency/Rated speed	<b>60 Hz/1800 rpm</b>
Rated output prime power	<b>281.3kVA</b>
rated voltage	<b>220V</b>
Phase	<b>3</b>
Power factor	<b>0.8</b>
Exciter type	<b>Self excited, Brushless</b>
Voltage adjust range	<b>≥ 5.0%</b>
Voltage regulation	<b>≤ ±1.0%</b>
Insulation grade	<b>H</b>
Protection grade	<b>IP 23</b>



\*Imagen de referencia.

## Control System

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



- DSE4520 (Deepsea)
- Standard Gen-sets Controller



\*Imagen de referencia.

### The controller LCD display

- Voltage between phases (L-L)
- Voltage between neutral and phase(L-L)
- 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

### DSE4520 Control system

- ✓
- ✓
- ✓
- ✓
- ✓
- ✓
- ✓
- ✓
- ✓
- ✓
- ✓
- ✓
- ✓
- ✓

### IL-NT-AMF25(ComAp)



### DSE7320(Deepsea)



### 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

OPTIONAL

### HGM6120(SmartGen)



Engine	Alternator	Fuel System	Generating Set
<input type="checkbox"/> Water Jacket Preheater <input type="checkbox"/> Oil Preheater <input type="checkbox"/> Oil manual pump <input type="checkbox"/> Water separator	<input type="checkbox"/> PMG excitation <input type="checkbox"/> Space heater <input type="checkbox"/> Winding temperature measuring <input type="checkbox"/> Parallel droop device	<input type="checkbox"/> 12/24 hour base tank <input type="checkbox"/> Dual wall base fuel tank <input type="checkbox"/> Outside fuel tank <input type="checkbox"/> Automatic fuel feeding <input type="checkbox"/> Switch between external tank and base tank (three-way valve)	<input type="checkbox"/> Tools with the machine <input type="checkbox"/> Customized instructions, materials, nameplates and toolboxes <input type="checkbox"/> Charger <input type="checkbox"/> Elec-oil level gauge

# SoldePYE



# 24

# HORAS



## ¡Hablemos!