



## AFA Series M-30KW

\*Imagen de referencia.

### Generating set technical data

Prime power(output)	<b>35KVA/28 KW</b>
Standby power(output)	<b>38kVA/30kW</b>
Rated frequency	<b>60 Hz</b>
Rated speed	<b>1800 rpm</b>
Rated voltaje $\phi$	<b>220/127V</b>
Phase	<b>3</b>
Power factor	<b>0.8</b>
Noise level @7mm db(A)(only for silent type)	<b>70</b>
Engine mode	<b>4dw92-42D</b>
Alternator model	<b>LYG 184E</b>
Fuel consumption of 75% load	<b>6.24 Liters/h</b>
Fuel consumption of 100% load	<b>8.32 Liters/h</b>

### Dimension, weight, fuel tank capacity

Generating set model	<b>M-30KW</b>
Length (L) (mm)	<b>2030</b>
Width (W)(mm)	<b>850</b>
Height (H)(mm)	<b>1052</b>
Dry weight (kg)	<b>1000</b>
Tank capacity (L)	<b>80</b>
The loading capacity (40°C)	<b>10 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**

# AFA Series M-30KW

## Engine Specifications

Engine model & manufacturer	<b>4DW92-42D(FAW)</b>
Emission Certification	---
Number of cylinders	<b>4</b>
Cylinder arrangement	<b>In-line</b>
Cycle	<b>Four stroke</b>
Aspiration	<b>Turbocharged</b>
Bore x Stroke	<b>90x100 mm</b>
Displacement	<b>2.54 Liter</b>
Compression ration	<b>17: 1</b>
Prime power/speed	<b>31kW/1800 rpm</b>
Standby power/speed	<b>34kW/1800 rpm</b>
Speed governor	<b>Electronic</b>
Cooling system	<b>Forced water cooling cycle</b>
Frequency droop	<b>≤ 3%</b>
Total lubrication system capacity	<b>12 Liter</b>
Coolant Capacity (engine Only)	<b>8 Liter</b>
Fuel consumption 100% load	<b>228 g/kW.h (at 1500 rpm)</b>
Starter motor	<b>DC12V</b>
Charge alternator	<b>DC12V</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

# SOLDEPYE

## Alternator Specifications

Alternator model	<b>LYG 184F</b>
Alternator manufacturer	<b>Tipo Stamford</b>
Rated frequency/Rated speed	<b>60 Hz/1800 rpm</b>
Rated output prime power	<b>34.4 kVA</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>

## Alternator Optional

Optional alternator brand	<b>Leroy Somer</b>	<b>Stamford</b>
Optional alternator model	<b>TAL-A42-C</b>	<b>SOL2-M1</b>
Exciter type	<b>Self-excited</b>	<b>Self-excited</b>
Rated output prime power	<b>32.5KVA</b>	<b>33.6 kVA</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

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### IL NT AMF25(ComAp)



### DSE7320(Deepsea)



### HGM6120(SmartGen)



### 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

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



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# HORAS



## ¡Hablemos!