HIMOINSA
A YANMAR COMPANY

# HSF-75 M5

**HS | STATIONARY RANGE**
**Powered by FPT_IVECO**


| SERVICE | | PRP | ESP |
|---|---|---|---|
| POWER | kVA | 68 | 72 |
| POWER | kW | 54 | 58 |
| RATED SPEED | r.p.m. | 1.500 | |
| MAIN VOLTAGE | V | 230 V (m) | |
| RATED AT POWER FACTOR | Cos Phi | 0,8 | |

## HS | STATIONARY RANGE

HIMOINSA Company with quality certification ISO 9001

HIMOINSA gensets are compliant with EC mark which includes the following directives:

- 2006/42/CE Machinery safety.
- 2014/30/UE Electromagnetic compatibility.
- 2014/35/UE electrical equipment designed for use within certain voltage limits
- 2000/14/EC Sound Power level. Noise emissions outdoor equipment. (amended by 2005/88/EC)
- EN 12100, EN 13857, EN 60204

Ambient conditions of reference according to ISO 8528-1:2020 normative: 1000 mbar, 25ºC, 30% relative humidity.

Prime Power (PRP):
According to ISO 8528-1:2020, Prime power is the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load when operated for an unlimited number of hours per year under the agreed operating conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturer. The permissible average power output (Ppp) over 24 h of operation shall not exceed 70 % of the PRP.

Emergency Standby Power (ESP):
According to ISO 8528-1:2020, Emergency standby power is the maximum power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 200 h of operation per year with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. The permissible average power output over 24 h of operation shall not exceed 70 % of the ESP

Continuous Power (COP): According to Standard ISO 8528-1:2020, this is the maximum power available for continuous loads for unlimited running hours a year between the maintenance times recommended by the manufacturer under the environmental conditions established by the same.

"Class G2" performance according to the load impact test according to ISO 8528-5:2020

HIMOINSA HEADQUARTERS:
Fábrica: Ctra. Murcia - San Javier, Km. 23,6 | 30730 SAN JAVIER (Murcia) Spain
Tel.+34 968 19 11 28 Fax +34 968 19 12 17 Fax +34 968 19 04 20 | info@himoinsa.com | www.himoinsa.com

Manufacture facilities:
SPAIN • FRANCE • INDIA • CHINA • USA • BRAZIL • ARGENTINA

Subsidiaries:
PORTUGAL | POLAND | GERMANY | UK | SINGAPORE | UAE | PANAMA | DOMINICAN REPUBLIC | ARGENTINA | ANGOLA | SOUTH AFRICA | MOROCOO

## STANDARD SOUNDPROOFING

- HS52 — HS50
- WATER-COOLED
- M — SINGLE PHASE
- 50 Hz — 50 HZ
- DIESEL

Himoinsa has the right to modify any feature without prior notice.

Weights and dimensions based on standard products. Illustrations may include optional equipment.

Technical data described in this catalogue correspond to the available information at the moment of printing.

The illustrations and images are indicative and may not coincide in their entirety with the product.

Industrial design under patent.

## Engine Specifications | 1.500 r.p.m.

| | | |
|---|---|---|
| Rated Engine Output (PRP) | kW | 73,5 |
| Rated Engine Output (ESP) | kW | 80,1 |
| Manufacturer | | FPT_IVECO |
| Model | | NEF45SM3 |
| Engine Type | | 4-stroke Miller Cycle |
| Injection Type | | Direct |
| Aspiration Type | | Turbocharged |
| Number of cylinders and arrangement | | 4-L |
| Bore and Stroke | mm | 104 x 132 |
| Displacement | L | 4,5 |
| Cooling System | | Liquid (water + 50% glycol) |
| Lube Oil Specifications | | ACEA E3 - E5 |
| Compression Ratio | | 17,5:1 |

| | | |
|---|---|---|
| Lube oil consumption with full load | | 0,5 % of fuel consumption |
| Total oil capacity including tubes, filters | L | 12,8 |
| Total coolant capacity | L | 18,5 |
| Governor | Type | Mechanical |
| Air Filter | Type | Dry |
| Inner diameter exhaust pipe | mm | 70,3 |

## Generator Specifications | HIMOINSA

| | | |
|---|---|---|
| Manufacturer | | HIMOINSA |
| Model | | HA34D |
| Poles | No. | 4 |
| Connection type (standard) | | Star-series |
| Mounting type | | S-3 11"1/2 |
| Insulation | | H class |

| | |
|---|---|
| Enclosure (according IEC-34-5) | IP23 |
| Exciter system | Self-excited, brushless |
| Voltage regulator | A.V.R. (Electronic) |
| Bracket type | Single bearing |
| Coupling system | Flexible disc |
| Coating type | Standard (Vacuum impregnation) |



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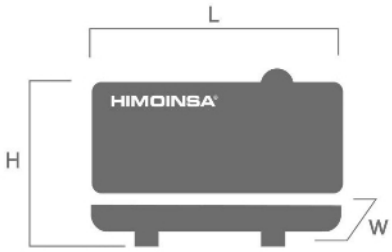
## WEIGHT AND DIMENSIONS

| | | Standard Version | Optional version | Optional version |
|---|---|---|---|---|
| Length (L) | mm | 2900 | 2900 | 2900 |
| Height (H) | mm | 1780 | 1855 | 2030 |
| Width (W) | mm | 1100 | 1100 | 1100 |
| Maximum shipping volume | m³ | 5,68 | 5,92 | 6,48 |
| Weight with liquids in radiator and sump | Kg | 1507 | Ask | Ask |
| Fuel tank capacity | L | 310 | 485 | 890 |
| Autonomy (70% PRP) | Hours | 27 | 43 | 79 |
| Autonomy (100% PRP) | Hours | 19 | 30 | 55 |
| | | Steel tank | Steel tank | Steel tank |




## SOUND PRESSURE

| | | |
|---|---|---|
| Sound pressure level | dB(A)@7m | 69 ± 2,4 |

## APPLICATION DATA

### EXHAUST SYSTEM

| | | |
|---|---|---|
| Maximum exhaust temperature | °C | 516 |
| Maximum allowed back pressure | kPa | 5 |
| Exhaust Flange Size (external diameter) | mm | 90 |
| Heat dissipated by exhaust pipe | KCal/Kwh | 543 |

### NECESSARY AMOUNT OF AIR

| | | |
|---|---|---|
| Intake air flow | m³/h | 273 |
| Cooling Air Flow | m³/s | 1,74 |
| Alternator fan air flow | m³/s | 0,514 |

### FUEL CONSUMPTION

| | | |
|---|---|---|
| Fuel Consumption ESP | l/h | 17,42 |
| Fuel Consumption 100% PRP | l/h | 16,2 |
| Fuel Consumption 70 % PRP | l/h | 11,3 |
| Fuel Consumption 50 % PRP | l/h | 8,05 |

### FUEL SYSTEM

| | | |
|---|---|---|
| Fuel Oil Specifications | | Diesel |
| Fuel Tank | L | 310 |
| Other fuel tank capacities | L | 485, 890 |

### STARTING SYSTEM

| | | |
|---|---|---|
| Starting power | kW | 3 |
| Starting power | CV | 4,08 |
| Recommended battery | Ah | 100 |
| Auxiliary Voltage | Vdc | 12 |



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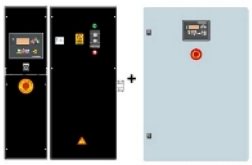
*Control Panels*

## AS7

Automatic control panel WITHOUT Transfer Switch and WITHOUT mains control with M7X unit.

Digital control unit M7X



## AS7 + CC2

Automatic control panel WITH transfer switch and WITH mains control. The display will be on the genset and on the cabinet.

Digital control unit M7X+CEC7

## AS5

Automatic panel WITHOUT transfer switch and WITHOUT mains control with CEM8 unit. (*) AS5 as optional with CEA8 unit. Automatic panel without transfer switch and WITH mains control.

*Non-contractual image. The product may vary depending on the configuration.

## CEM8 Controller

Advanced control unit for generator sets that combines an intuitive user experience with advanced generator management, incorporating connectivity and intelligent functions that optimise operation and maintenance:

- Intuitive interface and optimised navigation, with configurable dashboard.
- Connectivity and IoT for remote monitoring and intelligent management (depending on version).
- Maximum flexibility: compact or distributed mounting and configurable I/O. Compatible with Stage V and Tier 4 Final engines.
- Safety and reliability: safe engine shutdown and protection against overload and overtemperature.
- Industrial integration: buses (CAN, Ethernet, USB, RS485) and protocols (J1939, Modbus, SNMP).

## Data Sheet CEM8

## Data Sheet CEA8



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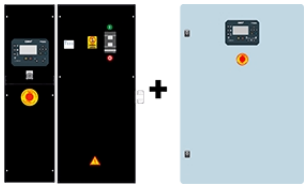

## AS5 + CC2

Automatic panel WITH transfer switch and with mains control. The display will be on the genset and on the cabinet.

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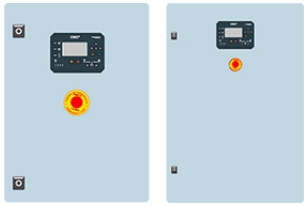
## Data Sheet CEM8

## Data Sheet CEC8



## CC2

Himoinsa Switching cabinet WITH display.

*Non-contractual image. The product may vary depending on the configuration.

## Data Sheet CEC8