



SERVICE		PRP	ESP
POWER	kVA	123	135
POWER	kW	98	108
RATED SPEED	r.p.m.	1.500	
MAIN VOLTAGE	V	400/230	
AVAILABLE VOLTAGES	V	230 V (t) 380/220 415/240	
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, 25°C, 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.

G3 class load acceptance in accordance with ISO 8528-5:2020

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DOMINICAN REPUBLIC | ARGENTINA | ANGOLA | SOUTH AFRICA | MOROCCO



STANDARD SOUNDPROOFING



HS52



WATER-COOLED



THREE PHASE



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	107,2
Rated Engine Output (ESP)	kW	118,2
Manufacturer	FPT_IVECO	
Model	NEF45TM3	
Engine Type	4-stroke diesel	
Injection Type	Direct	
Aspiration Type	Turbocharged and after-cooled	
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 | STAMFORD

Manufacturer	STAMFORD	
Model	UCI274E	
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)	

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	m ³	5,68	5,92	6,48
Weight with liquids in radiator and sump	Kg	1602	1673	1784
Fuel tank capacity	L	310	485	890
Autonomy (70% PRP)	Hours	16	25	46
Autonomy (100% PRP)	Hours	11	18	32

Steel tank Steel tank Steel tank



SOUND PRESSURE

Sound pressure level	dB(A)@7m	70 ± 2,4
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APPLICATION DATA

EXHAUST SYSTEM

Maximum exhaust temperature	°C	540
Maximum allowed back pressure	kPa	5
Exhaust Flange Size (external diameter)	mm	90
Heat dissipated by exhaust pipe	KCal/Kwh	590

NECESSARY AMOUNT OF AIR

Intake air flow	m ³ /h	427
Cooling Air Flow	m ³ /s	2,2
Alternator fan air flow	m ³ /s	0,514

FUEL CONSUMPTION

Fuel Consumption ESP	l/h	30,4
Fuel Consumption 100% PRP	l/h	27,6
Fuel Consumption 70 % PRP	l/h	19,2
Fuel Consumption 50 % PRP	l/h	14,4

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



Control Panels



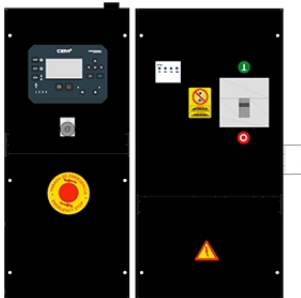
AS7

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 CEAB 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:

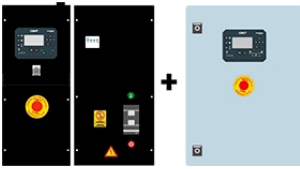
- Intuitive interface and optimised navigation, with configurable dashboard.
- Connectivity and IoT for remote monitoring and intelligent management (depending on version).
- Maximum flexibility: compact or distributed mounting and configurable I/O. Compatible with Stage V and Tier 4 Final engines.
- 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 CEAB





AS5 + CC2

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

*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.
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Data Sheet CEM8



Data Sheet CEC8



CC2

Himoinsa Switching cabinet WITH display.

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Data Sheet CEC8

