HIMOINSA

MODEL
HFW-200 T5
INDUSTRIAL RANGE
Standard soundproofing
Powered by FPT_IVECO



- E10
- WATER-COOLED
- THREE PHASE
- 50 HZ
- NON COMPLYING 97/68/EC
- DIESEL

Generating Rates

SERVICE		PRP	STANDBY
Power	kVA	200	220
Power	kW	160	176
Rated Speed	r.p.m.	1.500	
Standard Voltage	V	400/230	
Available Voltages	V	230 - 230/132	
Rated at power factor	Cos Phi	0,8	

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HIMOINSA UK Company with quality certification ISO 9001
HIMOINSA UK 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 8528-1:2005 normative: 1000 mbar, 25ºC, 30% relative humidity.

Prime Power (PRP):
According to ISO 8528-1:2005, 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 8528-1:2005, 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

G2 class load acceptance in accordance with ISO 8528-5:2013

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Engine Specifications 1.500 r.p.m.

ENGINE		PRP	STANDBY
Rated Output	kW	176,5	194
Manufacturer		FPT_IVECO	
Model		NEF67TM7	
Engine Type		4-stroke diesel	
Injection Type		Direct	
Aspiration Type		Turbocharged and after-cooled	
Number of cylinders and arrangement		6-L	
Bore and Stroke	mm	104 x 132	
Displacement	L	6,7	
Cooling System		Liquid (water + 50% glycol)	
Lube Oil Specifications		ACEA E3 - E5	
Compression Ratio		17,5 : 1	
Fuel Consumption Standby	l/h	49	
Fuel Consumption 100% PRP	l/h	42,1	
Fuel Consumption 80 % PRP	l/h	37,3	
Fuel Consumption 50 % PRP	l/h	24	
Lube oil consumption with full load		0,5 % of fuel consumption	
Total oil capacity including tubes, filters	L	17,2	
Total coolant capacity	L	25,5	
Heat dissipated by coolant	kW	100	
Governor	Type	Mechanical	
Air Filter	Type	Dry	
Inner diameter exhaust pipe	mm	70,3	

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Generator

Generator		
Manufacturer		MECC ALTE
Poles	No.	4
Connection type (standard)		Star-series
Mounting type		S-3 11"1/2
Insulation	Class	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)

ISO 9001 CERTIFIED
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Application Data

Exhaust System		
Maximum exhaust temperature	ºC	600
Maximum allowed back pressure	kPa	5
Exhaust Flange Size (external diameter)	mm	120
Heat dissipated by exhaust pipe	KCal/Kwh	598

Necessary Amount Of Air		
Intake air flow	m^3/h	586
Cooling Air Flow	m^3/s	3,8
Alternator fan air flow	m^3/s	0,533

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

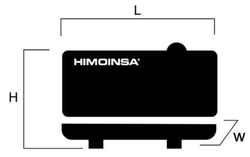
Fuel System		
Fuel Oil Specifications		Diesel
Fuel Tank	L	450
Other fuel tank capacities	L	600, 1.100

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Dimensions



Weight and Dimensions		
(L) Length	mm	3.300
(H) Height	mm	1.956
(W) Width	mm	1.200
Maximum shipping volume	m^3	7,75
(*) Weight with liquids in radiator and sump	kg	2.320
Fuel tank capacity	L	450
Autonomy	Hours	12
Sound pressure level	dB(A)@7m	68 ± 2,3
(*) (with standard accessories)		STANDARD VERSION (Steel tank)

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Filial UK 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.
Industrial design under patent.

Local Distributor

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NOTES:

1. DO NOT SCALE from the drawing
2. Further dimensions required to be requested from the project technical team
3. Report discrepancies to JDDK project team immediately.
4. This model file contains the following consultants model files:-

REV	ISSUED BY	DATE	DESCRIPTION

REVISION LOG

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CLIENT
Vets 4 Pets

PROJECT TITLE
3801 Vets 4 Pets Barnsley

TITLE
External Generator - Data Sheet

MAIN CONTRACTOR

QUANTITY SURVEYOR | M&E CONSULTANT

STRUCTURAL CONSULTANT | OTHER CONSULTANT

DRAWING No.: 3801-JDDK-SH-A-7003 | REV

JDDK INTERNAL REF:	3801	JDDK REF NO:	70.03
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DRAWN BY:	OH	CHECKED BY:	

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