



HFW-160 T5

Powered by:

IVECO NEF67 TM 3A

160 kVA at 50 Hz

ACCORDING TO DIRECTIVE 97/68/EC

Generating Set Performance		50 Hz	
SERVICE		Continuous Service	Intermittent Service
Rated output	kVA	160	175
Active power output *	kW	128	140
Rated speed	r.p.m.	1.500	
Standard Voltage	V	400	
Voltage available	V	380 / 220 at 415 / 240	

Performance data refers to Standard Reference Conditions of ISO 8528 : + 25 °C , 100 m ALT, relative humidity 30 %

During running-in period the output increases by approx. 5 % which is taken into consideration at delivery.

Power reduction acc. to DIN ISO 3046. Standard values: Above 100 m ALT approx. 1 % per 100 m. Above 25 °C (77 °F) approx. 4 % per 10 °C (50 °F).

* Considering cos phi= 0,8

Prime Mover Performance			
SERVICE		Continuous Service	Intermittent Service
Rated output	kW	138	152
Manufacturer		IVECO MOTORS	
Engine model		NEF67 TM 3A	
4 stroke Diesel Engine - Injection type		DIRECT	
Aspiration type		TURBOCHARGED AND AFTERCOOLED	
Cylinders, number and arrangement		6 - L	
Bore x stroke	mm	104 x 132	
Total displacement	L	6,7	
Cooling system		WATER	
Lube oil specifications		ACEA E3 - E5	
Compression ratio		17,5 : 1	
Specific fuel consumption	g/kWh	212,5	
Specific oil consumption (at full load)		<0,1% of fuel consumption	
Lube oil maximum capacity	L	12	
Lube oil minimum capacity	L	8	
Speed governor	Type	mechanical	
Air filter	Type	DRY light duty	

PRIME POWER (P.R.P.): The prime power is the maximum power available with varying loads for an unlimited number of hours. The average power output during a 24h period of operation must not exceed 80% of the declared prime power between the prescribed maintenance intervals and at standard environmental conditions. A 10% overload is permissible for 1 hour every 12 hours of operation.

STAND BY POWER: Is the maximum power available for a period of 500 hours/year with a mean load factor of 90% of the declared stand-by power. No kind of overload is permissible for this use.

Synchronous Generator *		
Pôles	Nº	4
Winding connections (standard)		Star - serie
Frame mounting		SAE3 / 11" ^{1/2}
Insulation	class	H
Enclosure (according to IEC-34-5)		IP 23
Phases		3 + N
Regulator		A.V.R.(electronic)
Steady voltage precision		within ± 1,5% from no load to full loading with cosφ=0,8+1

*Alternator used by HIMOINSA Gensets meet the requirements of following Standard: IEC 34-1; CEI 2-3; ; VDE 0530; BS 4999-5000:NF 51-100,11

Generating Set Installation Data		
EXHAUST SYSTEM		
Max. exhaust temperature at full load	° C	570
	° F	1.058
Exhaust gas flow	Kg/h	739
Heat rejected to exhaust	Kcal/Kwh	688,9
Maximum allowed back pressure	kPa(mbar)	5(50)
AIR REQUIREMENT		
Air requirement for combustion at 100% load / rated speed	m³/h	586
	Kg/h	706
ELECTRIC STARTING SYSTEM		
Starting motor output	kW	3
	CV	4,08
Minimum recommended battery capacity	Ah	1 x 100
Auxiliary voltage	Vcc.	12
LIQUID CAPACITY		
Lube oil system including sump, filters, etc.	L	17,2
FUEL TANK CAPACITY		
Open Skid Genset	L	355
Soundproofed	L	225

Generating Set transport data		
WEIGHT AND DIMENSIONS OPEN SKID GENSET		
Length	m - ft	2,67 - 8,75
Width	m - ft	0,90 - 2,95
Height	m - ft	1,59 - 5,21
Shipping volume seaworthy (Standard supplier)	m³- ft³	3,82 - 134,48
Dry weight (with standard accessories)	kg - lb	1.625 - 3.575 *

WEIGHT AND DIMENSIONS SOUNDPROOFED GENSET		
Length	m - ft	3,3 - 10,82
Width	m - ft	1,2 - 3,93
Height	m - ft	1,80 - 5,90
Shipping volume seaworthy (Standard supplier)	m³- ft³	7,12 - 250,88
Dry weight (with standard accessories)	kg - lb	2.365 - 5.203 *

* Weights and dimensions are subject to variations depending to the genset configuration solicited by the customer. To consult in factory.

Local distributor



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