



Tor

HIW-35 T5

Powered by:

IVECO 8031 i 06

31 kVA at 50 Hz

Generating Set Performance		50 Hz	
SERVICE		Continuous Service	Intermittent Service
Rated output	kVA	31	34
Active power output *	kW	25	27
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		1.500 r.p.m.	
SERVICE		Continuous Service	Intermittent Service
Rated output	kW	29	36
Manufacturer		IVECO MOTORS	
Engine model		8031 i 06	
4 stroke Diesel Engine - Injection type		DIRECT	
Aspiration type		NATURAL	
Cylinders, number and arrangement		3 - L	
Bore x stroke	mm - In	104 x 115	- 4,09 x 4,53
Total displacement	L	2,9	
Cooling system		WATER	
Lube oil specifications		MIL - L210 4E (ACEA E3 - 96)	
Specific fuel consumption	l / h	4,9	
Specific oil consumption (at full load)		0,3% max. of fuel consumption	
Compression ratio		17 : 1	
Lube oil maximum capacity	L	7,7	
Lube oil minimum capacity	L	5,5	
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		SAE 3 - 11" ^{1/2}
Insulation	class	H
Enclosure (according to IEC-34-5)		IP 23
Phases		3 + N
Voltage 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



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Generating Set Installation Data		1.500 r.p.m.
EXHAUST SYSTEM		
Max. exhaust temperature at full load	° C	530
	° F	986
Exhaust gas flow	Kg/h	145
Heat rejected to exhaust	Kcal/Kwh	640
Maximum allowed back pressure	mm / H2O	1.500
AIR REQUIREMENT		
Air requirement for combustion at 100% load / rated speed	m³/min	120
	ft³/min	69
ELECTRIC STARTING SYSTEM		
Starting motor output	kW	3
	CV	4,08
Minimum recommended battery capacity	Ah	100
Auxiliary voltage	Vcc.	12
LIQUID CAPACITY		
Lube oil system including sump, filters, etc.	L	8,8
FUEL TANK CAPACITY		
Open Skid Genset	L	60
Soundproofed	L	50

Generating Set transport data		
WEIGHT AND DIMENSIONS OPEN SKID GENSET		
Length	m - ft	1,55 - 5,085
Width	m - ft	0,73 - 2,394
Height	m - ft	1,24 - 4,06
Shipping volume seaworthy (Standard supplier)	m³ - ft³	1,40 - 96,89
Dry weight (with standard accessories)	kg - lb	685 - 1.507 *

WEIGHT AND DIMENSIONS SOUNDPROOFED GENSET		
Length	m - ft	2,00 - 6,56
Width	m - ft	0,95 - 3,11
Height	m - ft	1,23 - 4,05
Shipping volume seaworthy (Standard supplier)	m - ft	2,34 - 82,62
Dry weight (with standard accessories)	kg - lb	1.035 - 2.277 *

* The weights are approximate

Local distributor



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