



HVW-350 T5

Powered by:

VOLVO TAD 1240 GE

350 kVA at 50 Hz

Directiv. 97/68/EC (Stage II) 

Generating Set Performance		50 Hz	
SERVICE		Continuous Service	Intermittent Service
Rated output	kVA	350	386
Active power output *	kW	280	308
Rated speed	r.p.m.	1.500	
Standard Voltage	V	400	
Voltage available	V	400 / 230 - 230 / 132 - 230	

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	310	340
Manufacturer		VOLVO PENTA	
Engine model		TAD 1240GE	
4 stroke Diesel Engine - Injection type		DIRECT	
Aspiration type		TURBOCHARGED -AIR TO AIR	
Cylinders, number and arrangement		6 -L	
Bore x stroke	mm	131 x 150	
Total displacement	L	12,13	
Cooling system		WATER	
Lube oil specifications		VDS-2. ACEA: E3, E5. API CG-4	
Compression ratio		17,5 : 1	
Specific fuel consumption	L/h	71,01	
Specific oil consumption (at full load)	%	0,15	
Lube oil maximum capacity	L	31	
Lube oil minimum capacity	L	19	
Speed governor	Type	Electronic	
Air filter	Type	DRY light duty	

(ICFN) : ISO-STANDARD POWER (10% overload permissible) and ISO-STANDARD FUEL STOP POWER (no overload permissible) according to DIN ISO 3046.

For constant speed and constant load.

(IFN) : ISO BRAKE FUEL STOP NET POWER for intermittent load acc. to DIN ISO 3046.

Performance data refers to Standard Reference Conditions of DIN ISO 3046: + 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).

Synchronous Generator *		
Pôles	N°	4
Winding connections (standard)		Star - serie
Frame mounting		SAE1 / 14"
Insulation	class	H
Enclosure (according to IEC-34-5)		IP 23
Exciter system		3 + N
Voltage regulator		A.V.R. (electronic)
Steady voltage precision		within $\pm 1,5\%$ from no load to full loading with $\cos\phi=0,8+1$

*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		1.500 r.p.m.
EXHAUST SYSTEM		
Max. exhaust temperature at full load	° C	494
	° F	921
Exhaust gas flow	kg/h	1509,48
Heat rejected to exhaust	kcal/kWh	619,99
Maximum allowed back pressure	mm/H2O	1019,72
AIR REQUIREMENT		
Air requirement for combustion at 100% load / rated speed	m ³ /h	1344
	Kg / h	1116,36
ELECTRIC STARTING SYSTEM		
Starting motor output	kW	6,0
	CV	8,16
Minimum recommended battery capacity	Ah	2x88 400A DIN
Auxiliary voltage	Vcc.	24
LIQUID CAPACITY		
Lube oil system including sump, filters, etc.	L	35
FUEL TANK CAPACITY		
Open Skid Genset	L	590
Soundproofed	L	590

Generating Set transport data		
WEIGHT AND DIMENSIONS OPEN SKID GENSET		
Length	m - ft	3,81 - 12,49 (a)
Width	m - ft	1,39 - 4,56
Height	m - ft	1,88 - 6,16
Shipping volume seaworthy (Standard supplier)	m ³ - ft ³	9,95 - 350,83
Dry weight (with standard accessories)	kg - lb	3.371 - 7.416

WEIGHT AND DIMENSIONS SOUNDPROOFED GENSET		
Length	m - ft	4,10 - 13,45
Width	m - ft	1,60 - 5,25
Height	m - ft	2,21 - 7,25
Shipping volume seaworthy (Standard supplier)	m ³ - ft ³	14,50 - 511,94
Dry weight (with standard accessories)	kg - lb	4.731 - 10.408

(a) Chassis type K8. The leght datum refers to model with an external control panel (optional). Please consult for other configurations.

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HIMOINSA company with quality certification ISO 9001
 HIMOINSA gensets are compliant with EC mark which includes the following directives:

- ISO 13857:2008 Machinery safety.
- 2006/95/EC Low voltage.
- 89/336/EEC Electromagnetic compatibility.
- 200/14/EC Sound Powr leve. Noise emissions outdoor equipment. (amended by 2005/88/EC)
- 97/68/EC Emissions of gaseous and particulate pollutants. (amended by 2002/88/EC & 2004/26/EC)



Local distributor



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