

HVW-460 T5

Powered by:

VOLVO TAD 1640 GE

460 kVA at 50 Hz

**PICTURE
NOT
AVAILABLE**

Directiv. 97/68/EC (Stage II) 

Generating Set Performance		50 Hz	
SERVICE		Continuous Service	Intermittent Service
Rated output	kVA	460	504
Active power output *	kW	368	403
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	393	432
Manufacturer		VOLVO PENTA	
Engine model		TAD 1640GE	
4 stroke Diesel Engine - Injection type		DIRECT	
Aspiration type		TURBOCHARGED -AIR TO AIR	
Cylinders, number and arrangement		6 -L	
Bore x stroke	mm	144 x 165	
Total displacement	L	16,12	
Cooling system		WATER	
Lube oil specifications		VDS-2. ACEA: E3, E5. API CG-4	
Compression ratio		17,5 : 1	
Specific fuel consumption	L/h	88,65	
Specific oil consumption (at full load)	%	0,11	
Lube oil maximum capacity	L	42	
Lube oil minimum capacity	L	32	
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	445
	° F	833
Exhaust gas flow	kg/h	1814,4
Heat rejected to exhaust	kcal/kWh	651,28
Maximum allowed back pressure	mm/H2O	1019,72
AIR REQUIREMENT		
Air requirement for combustion at 100% load / rated speed	m ³ /h	1902
	Kg / h	1579,8
ELECTRIC STARTING SYSTEM		
Starting motor output	kW	6,0
	CV	8,16
Minimum recommended battery capacity	Ah	N.A.
Auxiliary voltage	Vcc.	24
LIQUID CAPACITY		
Lube oil system including sump, filters, etc.	L	48
FUEL TANK CAPACITY		
Open Skid Genset	L	740
Soundproofed	L	740

Generating Set transport data		
WEIGHT AND DIMENSIONS OPEN SKID GENSET		
Length	m - ft	4,10 - 13,45 (a)
Width	m - ft	1,46 - 4,78
Height	m - ft	2,11 - 6,90
Shipping volume seaworthy (Standard supplier)	m ³ - ft ³	12,63 - 443,60
Dry weight (with standard accessories)	kg - lb	4.033 - 8.873

WEIGHT AND DIMENSIONS SOUNDPROOFED GENSET		
Length	m - ft	4,50 - 14,76
Width	m - ft	1,80 - 5,90
Height	m - ft	2,40 - 7,87
Shipping volume seaworthy (Standard supplier)	m ³ - ft ³	19,44 - 685,35
Dry weight (with standard accessories)	kg - lb	6.013 - 13.229

(a) Chassis type K9. The leght datum refers to model with an external control panel (optional). Please consult for other configurations.

Pub. I HVV-460 T5 02/2009 - Himoinsa reserves the right to modify any characteristic without prior notice. Weights and dimensions based on products standards and sec / illustration may include optional equipment.



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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