



# HVW-300 T5

Powered by:

**VOLVO TAD 941 GE**

300 kVA at 50 Hz

Directiv. 97/68/EC (Stage II) 

Generating Set Performance		50 Hz	
SERVICE		Continuous Service	Intermittent Service
Rated output	kVA	300	330
Active power output *	kW	240	264
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	279	308
Manufacturer		VOLVO PENTA	
Engine model		TAD 941GE	
4 stroke Diesel Engine - Injection type		DIRECT	
Aspiration type		TURBOCHARGED -AIR TO AIR	
Cylinders, number and arrangement		6 -L	
Bore x stroke	mm	120 x 138	
Total displacement	L	9,36	
Cooling system		WATER	
Lube oil specifications		VDS-2. ACEA: E3, E5. API CG-4	
Compression ratio		17,4 : 1	
Specific fuel consumption	L/h	65,53	
Specific oil consumption (at full load)	%	0,08	
Lube oil maximum capacity	L	35	
Lube oil minimum capacity	L	28	
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.
<b>EXHAUST SYSTEM</b>		
Max. exhaust temperature at full load	° C	519
	° F	966
Exhaust gas flow	kg/h	1171,80
Heat rejected to exhaust	kcal/kWh	625,75
Maximum allowed back pressure	mm/H2O	1019,72
<b>AIR REQUIREMENT</b>		
Air requirement for combustion at 100% load / rated speed	m <sup>3</sup> /h	1062
	Kg / h	822
<b>ELECTRIC STARTING SYSTEM</b>		
Starting motor output	kW	5,5
	CV	7,48
Minimum recommended battery capacity	Ah	2x170 600A DIN
Auxiliary voltage	Vcc.	24
<b>LIQUID CAPACITY</b>		
Lube oil system including sump, filters, etc.	L	40
<b>FUEL TANK CAPACITY</b>		
Open Skid Genset	L	590
Soundproofed	L	590

Generating Set transport data		
<b>WEIGHT AND DIMENSIONS OPEN SKID GENSET</b>		
Length	m - ft	3,81 - 12,49 (a)
Width	m - ft	1,39 - 4,56
Height	m - ft	1,83 - 6,00
Shipping volume seaworthy (Standard supplier)	m <sup>3</sup> - ft <sup>3</sup>	9,69 - 341,72
Dry weight (with standard accessories)	kg - lb	2.971 - 6.536

<b>WEIGHT AND DIMENSIONS SOUNDPROOFED GENSET</b>		
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 <sup>3</sup> - ft <sup>3</sup>	14,50 - 511,94
Dry weight (with standard accessories)	kg - lb	4.331 - 9.528

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

**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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