

HVW-180 T5

Powered by:

VOLVO TAD 732GE

180 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	180	194
Active power output *	kW	144	155
Rated speed	r.p.m.	1.500	
Standard Voltage	V	400	
Voltage available	V	400 / 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	160	179
Manufacturer		VOLVO PENTA	
Engine model		TAD 732GE	
4 stroke Diesel Engine - Injection type		DIRECT	
Aspiration type		TURBOCHARGED -AIR TO AIR	
Cylinders, number and arrangement		6 -L	
Bore x stroke	mm	108 x 130	
Total displacement	L	7,15	
Cooling system		WATER	
Lube oil specifications		VDS-2. ACEA: E3, E5. API CG-4	
Compression ratio		18 : 1	
Specific fuel consumption	g/kwh	213	
Specific oil consumption (at full load)	L/h	0,08	
Lube oil maximum capacity	L	31	
Lube oil minimum capacity	L	24	
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	Nº	4
Winding connections (standard)		Star - serie
Frame mounting		SAE2 / 11.5"
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	529
	° F	984
Exhaust gas flow	m ³ /min	31,9
Heat rejected to exhaust	kW	127
Maximum allowed back pressure	kPa (In wc)	5 (20,1)
AIR REQUIREMENT		
Air requirement for combustion at 100% load / rated speed	m ³ /h	N.D.
	Kg / h	N.D.
ELECTRIC STARTING SYSTEM		
Starting motor output	kW	5,5
	CV	7,5
Minimum recommended battery capacity	Ah	135
Auxiliary voltage	Vcc.	24
LIQUID CAPACITY		
Lube oil system including sump, filters, etc.	L	34
FUEL TANK CAPACITY		
Open Skid Genset	L	445
Soundproofed	L	445

Generating Set transport data		
WEIGHT AND DIMENSIONS OPEN SKID GENSET		
Length	m - ft	3,50 - 11,48 (a)
Width	m - ft	1,16 - 3,80
Height	m - ft	1,17 - 3,83
Shipping volume seaworthy (Standard supplier)	m ³ - ft ³	4,75 - 167,1
Dry weight (with standard accessories)	kg - lb	1.971 - 4.336

WEIGHT AND DIMENSIONS SOUNDPROOFED GENSET		
Length	m - ft	3,80 - 12,46
Width	m - ft	1,40 - 4,59
Height	m - ft	2,10 - 6,90
Shipping volume seaworthy (Standard supplier)	m ³ - ft ³	11,17 - 394,62
Dry weight (with standard accessories)	kg - lb	*

(a) Chassis type K7. The leght datum refers to model with an external control panel (optional). Please consult for other configurations.

Local distributor



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