



HVW-250 T5

Powered by:

VOLVO TAD 734 GE

250 kVA at 50 Hz

Directiv. 97/68/EC (Stage II) 

| Generating Set Performance | | 50 Hz | |
|----------------------------|--------|-----------------------------|----------------------|
| SERVICE | | Continuous Service | Intermittent Service |
| Rated output | kVA | 250 | 275 |
| Active power output * | kW | 200 | 220 |
| 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 | 216 | 241 |
| Manufacturer | | VOLVO PENTA | |
| Engine model | | TAD 734GE | |
| 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 | | 17 : 1 | |
| Specific fuel consumption | L/h | 51,24 | |
| Specific oil consumption (at full load) | % | 0,02 | |
| Lube oil maximum capacity | L | 24 | |
| Lube oil minimum capacity | L | 20 | |
| 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 | | 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 | 495 |
| | ° F | 923 |
| Exhaust gas flow | kg/h | 831,6 |
| Heat rejected to exhaust | kcal/kWh | 571,22 |
| Maximum allowed back pressure | mm/H2O | 1019,72 |
| AIR REQUIREMENT | | |
| Air requirement for combustion at 100% load / rated speed | m ³ /h | 966 |
| | Kg / h | 802,38. |
| ELECTRIC STARTING SYSTEM | | |
| Starting motor output | kW | 5,0 |
| | CV | 6,8 |
| Minimum recommended battery capacity | Ah | N.A. |
| Auxiliary voltage | Vcc. | 24 |
| LIQUID CAPACITY | | |
| Lube oil system including sump, filters, etc. | L | 29 |
| 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 | 1,77 - 5,82 |
| Shipping volume seaworthy (Standard supplier) | m ³ - ft ³ | 7,20 - 253,89 |
| Dry weight (with standard accessories) | kg - lb | 2.313 - 5.088 |

| | | |
|--|----------------------------------|----------------|
| 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 | 3.551 - 7.812 |

(a) Chassis type K7. 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



Factory: Ctra. Murcia - San Javier, Km. 23,6 30730
SAN JAVIER (Murcia) España

Tel.+34 968 19 11 28 Fax +34 968 19 12 17 Export Fax +34968 19 04 20
info@himoinsa.com www.himoinsa.com

