

**Datasheet: Marine Generator - Panda 24 NE PMS**

A - General technical data Marine Generator - Panda 24 NE PMS		
Model.:	Panda 24 NE PMS	
Area of Application.:	M (Marine Generator)	
Generator Version.:	PMS	
Generator Type	PSA - Panda Standard Asynchronous	
Frequency	50	[Hz]
Nominal Speed	3000	[rpm]
Alternator Standard Version.:	HP1	
Nominal Performance	20.40	[kW]
Nominal Performance	24.0	[kVA]
Continuous Performance	18.4	[kW]
Continuous Performance	21.6	[kVA]

B - Alternator General Data		
Power rating factor Cos Pi	0.85	
Voltage Regulation	VCS	
Voltage Tolerance with VCS (up to 80% Performance)	± 3	[Volt]
Generator manufacturer	FISCHER PANDA	
Shielded to prevent radio interference	accordance with VDE 0875	
Isolation class of windings	F	

Excitation by	MKP Capacitors	
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**C - Performance Data for electrical Generator (Alternator)**

**Daten HP1 Coil (Single Phase Version) - Standard version**

Alternator Type "HP1" (High Performance 1 phase Winding), 230 V only.

Alternator Type	HP1	
Nominal Voltage in Volt	230	[Volt]
Nominal Performance in kW	20.40	[kW]
Nominal Performance in kVA	24.0	[kVA]
Continuous Performance in kW	18.4	[kW]
Continuous Performance in kVA	21.6	[kVA]
Number of Phases	1	
Rated current each Phase in Ampere	104.3	[A]
Continuous current each Phase in Ampere	93.9	[A]
Frequency in Hertz	50	[Hz]

**Daten HP3 Coil (Three Phase Version) - Optional - This version available on request**

Alternator Type "HP3" (High Performance 3 phase winding). Produces 3-phase current (400 V), but 230 V single phase is included, but must be distributed to 3 phases.

Alternator Type	HP3	
Nominal Voltage in Volt	3x400+N	[Volt]
Nominal Performance in kW	20.40	[kW]
Nominal Performance in kVA	24.0	[kVA]
Continuous Performance in kW	18.4	[kW]

Continuous Performance in kVA	21.6	[kVA]
Number of Phases	3	
Rated current each Phase in Ampere	34.7	[A]
Continuous current each Phase in Ampere	31.2	[A]
Frequency in Hertz	50	[Hz]

**Daten DVS Coil (3 phase + 1 phase Version) - Optional - This version available on request**

The Alternator Type "DVS" (Dual Voltage System) comprises of two separate windings (1-phase and 3-phase) within the stator. The alternator comprises a 3-phase (400V) winding and a 1-phase (230V) winding. The windings are electrically isolated within same stator. This alternator type has a 12% reduction in performance, compared to the HP1 resp. HP3 winding type because the cross-section of the windings are reduced in order to fit both windings within the housing.

**DVS Winding - 1 phase**

Alternator Type	DVS	
Nominal Voltage in in Volt	230	[Volt]
Nominal Performance (P) in kW	18.0	[kW]
Nominal Performance (S) in kVA	21.2	[kVA]
Continuous Performance in kW	16.2	[kW]
Continuous Performance in kVA	19.1	[kVA]
Number of Phases	1	
Rated current each Phase in Ampere	92.2	[A]
Continuous current each Phase in Ampere	83.0	[A]
Frequency	50	[Hz]

**DVS Winding - 3 phase**

Alternator Type	DVS	
Nominal Voltage in Volt	3x400+N	[Volt]

Nominal Performance (P) in kW	18.0	[kW]
Nominal Performance (S) in kVA	21.2	[kVA]
Continuous Performance in kW	16.2	[kW]
Continuous Performance in kVA	19.1	[kVA]
Number of Phases	3	
Rated current each Phase in Ampere	30.6	[A]
Continuous current each Phase in Ampere	27.6	[A]
Frequency in Hertz	50	[Hz]

#### D - Dimension Sound cover (generator housing)

Capsule GFK 3D - Standard Sound Insulation Capsule		
Description	GFK 3D	
Material	GFK (Glass fibre reinforced polyester)	
Sound Insulation Material	3 layers with a total thickness of 30 mm	
Dimensions Housing L x W x H *)	1010 x 515 x 670	[mm]
Sound pressure level at distance 7 m	55	[dBA]
Sound pressure level at distance 3 m	65	[dBA]
Sound pressure level at distance 1 m	69	[dBA]
Total Weight of Generator with Capsule	355	[Kg]

\*) The dimensions are for the sound insulation housing ONLY and do not include additional parts or fittings such as fasteners, closures or mounting brackets etc.

**Therefore please Note** You must consider the additional space will need to be calculated for the installation. This is of importance when planning the installation with respect of cables, hoses and mounting feet.

E - Engine Data		
Engine Manufacturer	Kubota (KU)	
Group	E03	
Engine Type	V1505	
No. Cylinders	4	
Bore and Displacment	1498	[ccm]
Injection Principle	TVCS	
Compression Ratio	22:1	
Engine Charging	Natural	

#### Disclaimer

All technical data and specifications including dimensions, performance data, weight and material specifications are only valid when they are explicitly expressed in writing. All data should be considered only for approximation purposes because the data from these sources is gathered from current and previous models. As a result of continual product improvement and modification, the validity of technical data from these sources cannot be guaranteed. It is the responsibility of the customer to ensure in all cases when ordering that technical data is valid and that the specifications meet his/her requirements.