

A - General Technical Data Marine Generator - Panda 30 NE PMS

Model:	Panda 30 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	25.50	[kW]
Nominal Performance	30.0	[kVA]
Continuous Performance	22.9	[kW]
Continuous Performance	27.0	[kVA]

B - Alternator General Data

Power rating factor Cos Phi	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	

Engineered Solutions for an Independent Lifestyle

C - Performance Data for electrical Generator (Alternator)
Data 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	25.50	[kW]
Nominal Performance in kVA	30.0	[kVA]
Continuous Performance in kW	22.9	[kW]
Continuous Performance in kVA	27.0	[kVA]
Number of Phases	1	
Rated current each Phase in Ampere	130.4	[A]
Continuous current each Phase in Ampere	117.4	[A]
Frequency in Hertz	50	[Hz]

Data 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	25.50	[kW]
Nominal Performance in kVA	30.0	[kVA]
Continuous Performance in kW	22.9	[kW]
Continuous Performance in kVA	27.0	[kVA]
Number of Phases	3	
Rated current each Phase in Ampere	43.4	[A]

Engineered Solutions for an Independent Lifestyle

Continuous current each Phase in Ampere	39.0	[A]
Frequency in Hertz	50	[Hz]

Data 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 the same stator. This alternator type has a 12% reduction in performance, compared to the HP1 or 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 Volt	230	[Volt]
Nominal Performance (P) in kW	22.4	[kW]
Nominal Performance (S) in kVA	26.4	[kVA]
Continuous Performance in kW	20.2	[kW]
Continuous Performance in kVA	23.8	[kVA]
Number of Phases	1	
Rated current each Phase in Ampere	114.8	[A]
Continuous current each Phase in Ampere	103.5	[A]
Frequency	50	[Hz]

DVS Winding - 3 phase

Alternator Type	DVS	
Nominal Voltage in Volt	3x400+N	[Volt]
Nominal Performance (P) in kW	22.4	[kW]
Nominal Performance (S) in kVA	26.4	[kVA]
Continuous Performance in kW	20.2	[kW]

Engineered Solutions for an Independent Lifestyle

Continuous Performance in kVA	23.8	[kVA]
Number of Phases	3	
Rated current each Phase in Ampere	38.2	[A]
Continuous current each Phase in Ampere	34.4	[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 510 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	403	[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.

Engineered Solutions for an Independent Lifestyle

E - Engine Data		
Engine Manufacturer	Kubota (KU)	
Group	E04	
Engine Type	V1505T	
No. Cylinders	4TD	
Bore and Displacement	1498	[ccm]
Injection Principle	TVCS	
Compression Ratio	22,5:1	
Engine Aspiration	Turbocharged	

Disclaimer

All technical datas 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.

Engineered Solutions for an Independent Lifestyle