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Datasheet: Marine Generator - Panda 22-4 HD PMS

A - General technical data Marine Generator - Panda 22-4 HD PMS

Model:	Panda 22-4 HD PMS	
Area of Application:	M (Marine Generator)	
Generator Version:	PMS	
Generator Type:	PSA - Panda Standard Asynchronous	
Frequency:	50	[Hz]
Nominal Speed:	1500	[rpm]
Alternator Standard Version:	HP1	
Nominal Performance:	18.60	[kW]
Nominal Performance:	21.9	[kVA]
Continuous Performance:	16.7	[kW]
Continuous Performance:	19.7	[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	

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Shielded to prevent radio interference	accordance with VDE 0875	
Isolation class of windings	F	
Excitation by	MKP Capacitors	

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	18.60	[kW]
Nominal Performance in kVA	21.9	[kVA]
Continuous Performance in kW	16.7	[kW]
Continuous Performance in kVA	19.7	[kVA]
Number of Phases	1	
Rated current each Phase in Ampere	95.2	[A]
Continuous current each Phase in Ampere	85.7	[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.

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Alternator Type	HP3	
Nominal Voltage in Volt	3x400+N	[Volt]
Nominal Performance in kW	18.60	[kW]
Nominal Performance in kVA	21.9	[kVA]
Continuous Performance in kW	16.7	[kW]
Continuous Performance in kVA	19.7	[kVA]
Number of Phases	3	
Rated current each Phase in Ampere	31.6	[A]
Continuous current each Phase in Ampere	28.5	[A]
Frequency in Hertz	50	[Hz]

D - Dimension Sound cover (generator housing)

Capsule MPL 4DS - Standard Sound Insulation Capsule

Description	MPL 4DS	
Material	MPL (Stainless Steel Strip 1.4301 / K240)	
Sound Insulation Material	4DS - 4 to 5 layers, thickness approx. 40 mm	
Sound pressure level at distance 7 m	53	[dBA]
Sound pressure level at distance 3 m	63	[dBA]
Sound pressure level at distance 1 m	67	[dBA]

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*) 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	F05	
Engine Type	F2803	
No. Cylinders	5	
Bore and Displacement	2746	[ccm]
Injection Principle	TVCS	
Compression Ratio	18,7	
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.

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