

Datasheet: Marine Generator - Panda 65 YA PMS

A - General technical data Marine Generator - Panda 65 YA PMS		
Model:	Panda 65 YA 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.:	HP3	
Nominal Performance	55.20	[kW]
Nominal Performance	64.9	[kVA]
Continuous Performance	49.7	[kW]
Continuous Performance	58.4	[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 HP3 Coil (Three Phase Version) - Standard version

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	55.20	[kW]
Nominal Performance in kVA	64.9	[kVA]
Continuous Performance in kW	49.7	[kW]
Continuous Performance in kVA	58.4	[kVA]
Number of Phases	3	
Rated current each Phase in Ampere	93.8	[A]
Continuous current each Phase in Ampere	84.4	[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	48.6	[kW]
Nominal Performance (S) in kVA	57.2	[kVA]
Continuous Performance in kW	43.7	[kW]
Continuous Performance in kVA	51.5	[kVA]
Number of Phases	1	
Rated current each Phase in Ampere	248.7	[A]
Continuous current each Phase in Ampere	223.9	[A]
Frequency	50	[Hz]
DVS Winding - 3 phase		
Alternator Type	DVS	
Nominal Voltage in Volt	3x400+N	[Volt]
Nominal Performance (P) in kW	48.6	[kW]
Nominal Performance (S) in kVA	57.2	[kVA]
Continuous Performance in kW	43.7	[kW]
Continuous Performance in kVA	51.5	[kVA]
Number of Phases	3	
Rated current each Phase in Ampere	82.7	[A]
Continuous current each Phase in Ampere	74.4	[A]
Frequency in Hertz	50	[Hz]

D - Dimension Sound cover (generator housing)
Capsule MPL 4DS - Standard Sound Insulation Capsule

Description	MPL 4DS
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Material	MPL (Stainless Steel Strip 1.4301 / K240)	
Sound Insulation Material	4DS - 4 to 5 layers, thickness approx. 40 mm	
Dimensions Housing L x W x H *)	1250 x 700 x 800	[mm]
Sound pressure level at distance 7 m	57	[dBA]
Sound pressure level at distance 3 m	67	[dBA]
Sound pressure level at distance 1 m	71	[dBA]
Total Weight of Generator with Capsule	735	[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	Yanmar (YA)	
Group	J03	
Engine Type	4JH3HTE	
No. Cylinders	4	
Bore and Displacment	1995	[ccm]
Bore x Displacment	84 x 90	
Injection Principle	direkt	
Engine Charging	Turbo-Intercooler	

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.