Fischer Panda®

Power wherever you are™

A - General Technical Data Marine Generator - Panda 50 YA PMS		
Model:	Panda 50 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:	42.50	[kW]
Nominal Performance:	50.0	[kVA]
Continuous Performance:	38.2	[kW]
Continuous Performance:	45.0	[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	

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Excitation by:	MKP Capacitors	

C - Performance Data for electrical Generator (Alternator)		
Data 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:	42.50	[kW]
Nominal Performance in kVA:	50.0	[kVA]
Continuous Performance in kW:	38.2	[kW]
Continuous Performance in kVA:	45.0	[kVA]
Number of Phases:	3	
Rated current each Phase in Ampere:	72.3	[A]
Continuous current each Phase in Ampere:	65.0	[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 seperate 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 Volt:	230	[Volt]
Nominal Performance (P) in kW:	37.4	[kW]
Nominal Performance (S) in kVA:	44.0	[kVA]
Continuous Performance in kW:	33.7	[kW]
Continuous Performance in kVA:	39.6	[kVA]
Number of Phases:	1	
Rated current each Phase in Ampere:	191.3	[A]
Continuous current each Phase in Ampere:	172.2	[A]
Frequency:	50	[Hz]
DVS Winding - 3 phase		
Alternator Type:	DVS	
Nominal Voltage in Volt:	3x400+N	[Volt]
Nominal Performance (P) in kW:	37.4	[kW]
Nominal Performance (S) in kVA:	44.0	[kVA]
Continuous Performance in kW:	33.7	[kW]
Continuous Performance in kVA:	39.6	[kVA]
Number of Phases:	3	
Rated current each Phase in Ampere:	63.6	[A]
Continuous current each Phase in Ampere:	57.2	[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	
Dimensions Housing L x W x H *):	1200 x 730 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]

*) 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:	J02	
Engine Type:	4JH3TE	
No. Cylinders:	4	
Bore and Displacement:	1995	[ccm]
Bore x Displacement:	84 x 90	mm
Injection Principle:	Direct	
Engine Charging:	Turbocharger	