

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	
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 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 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]
<b>DVS Winding - 3 phase</b>		
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	