



Fischer Panda Marine Generators



FischerPanda

Fischer Panda “Perfect Power” iSeries generators with variable speed

Generators with variable speed for reduced fuel consumption, quiet operation and less exhaust emissions.
Up to 50 % less weight and 30 % space savings when compared to asynchronous generators of the same class

Panda iSeries marine inverter generators with variable speed technology

- 50 Hz - 230V
 - 50 Hz - 400V
 - 60 Hz - 120V
 - 60 Hz - 230 V
 - 60 Hz - 2 x 120 V / 240 V
- variable speed - load dependent



up to 20 %
fuel savings

Model			Panda 5000i.Neo PMS	Panda 5000i PMS	Panda 8000i PMS	Panda 10000i PMS	Panda 15000i-230V PMS	Panda 15000i-400V PMS	Panda 19i PMS	Panda 25i-230V PMS	Panda 25i-400V PMS	Panda 45i PMS	Panda 60i PMS	
Nominal performance³	230V 1-phase 50 Hz (also 1-phase 60 Hz)	kW	0-4,0'	0-4,0'	0-6,4'	0-8,0'	0-12,0''			0 -20,0'''		0-36,0 '''		
		kVA	0-5,0'	0-5,0'	0-8,0'	0-10,0'	0-15,0''			0-25,0'''		0-45,0 '''		
	400V 3-phase 50 Hz	kW						0-12,0'			0 -20,0 '''	0-36,0 '''	0-48,0 '''	
		kVA						0-15,0'			0-25,0 '''	0-45,0 '''	0-60,0 '''	
	230V 1-phase 60 Hz	kW			0-6,0'	0-8,0'	0-12,0''		0-14.5'''	0 -20,0'''				
		kVA			0-7,5'	0-10,0'	0-15,0''		0-18.1'''	0-25,0'''				
	120 V 1-phase 60 Hz (request : 2 x 120 V / 240 V)	kW	0-4,0'	0-4,0	0-6,0	0-8,0	0-12,0''	0-12,0'	0-14.5'''					
		kVA	0-5,0'	0-5,0	0-7,5	0-10,0	0-15,0''	0-15,0'	0-18.1'''					
Engine speed		rpm	2500-3250	2400-2800	2450 - 2950	2450 - 3000	2450 - 2950	2450 - 2990	2500 - 3700	2450 - 3000	2400 - 3000	1575 - 2800	1500-2800	
Voltage tolerance		%	± 3 %	± 3 %	± 3 %	± 3 %	± 3 %	± 3 %	± 3 %	± 3 %	± 3 %	±3 %	±3 %	
Frequency			50 Hz ± 0,1 Hz	50 Hz ± 0,1 Hz	50 Hz ± 0,1 Hz	50 Hz ± 0,1 Hz	50 Hz ± 0,1 Hz	50 Hz ± 0,1 Hz	50 Hz ± 0,1 Hz	50 Hz ± 0,1 Hz	50 Hz ± 0,1 Hz	50 Hz ± 0,1 Hz	50 Hz ± 0,1 Hz	
Control			iControl	iControl	iControl	iControl	iControl	iControl	iControl	iControl	iControl	iControl	iControl	
Cooling circuits			2	2	2	2	2	2	2	4	4	2	2	
Capsule type			GFK	GFK	GFK	GFK	GFK	GFK	GFK	GFK	GFK	MPL	MPL	
Sound insulation			3D	3D	3D	3D	3D	3D	3D	4DS	4DS	4DS	6DS	
Engine manufacturer			Fischer Panda	Kubota	Kubota	Kubota	Kubota	Kubota	Kubota	Kubota	Kubota	Kubota	Hatz	
Engine type			FPE320	EA 300	Z482	Z602	D902	D902	D902	V1505	V1505	V2403T	4H50TIC	
Engine displacement		cm³	309	309	479	599	898	898	898	1498	1498	2434	1952	
Number of cylinders			1	1	2	2	3	3	3	4	4	4	4	
Sound level 7m / 3m / 1m		dbA	54 / 64 / 68	54 / 64 / 68	52 / 62 / 67	52 / 62 / 67	54 / 64 / 68	54 / 64 / 68	54 / 64 / 68	55 / 60 / 70	55 / 60 / 70	54 / 59 / 69	55 / 60 / 70	
Approx. capsule dimensions excl. fittings L x W x H		mm	434	600	520	540	650	650	650	840	840	1130	1313	
			456	399	445	445	465	465	465	520	520	660	800	
			519	406	545	555	589	589	582	664	664	810	870	
Approx. weight incl. capsule		kg	67 + Inverter 9,7	82 + Inverter 9,7	105 + Inverter 9,7	111 + Inverter 13,5	160 + Inverter 16	160 + Inverter 21	162 + Inverter 21	230 + Inverter 19	230 + Inverter 39	545	670	

The data in this publication reflects the technical state at time of print. Due to our policy of continual product development, we reserve the right to alter technical specifications without notice. Dimensions apply for the sound insulation capsule only and do not include latches, fittings etc. Additional room will need to be calculated for the installation to include hoses, cables and capsule mountings. Please confirm current dimensions and weights when ordering. Dimensions and weights are approximate values only.

NOTE: For inverter generators - performance is calculated with :
*) cosPhi factor = 0,8 up to 40°C ambient temperature, otherwise calculate with a factor 1 up to 50°C.
**) cosPhi factor = 0,8 up to 40°C ambient temperature, otherwise calculate with a factor 1 up to 40°C (air-cooling. Other temperatures available on request)
cosPhi factor = 0,8 up to 50°C ambient temperature, otherwise calculate with a factor 1 up to 50°C (water-cooling)
***) cosPhi factor = 0,8 up to 50°C ambient temperature, otherwise calculate with a factor 1 up to 50°C (water-cooling)

Fischer Panda “Compact Power” generators

Suitable for applications requiring continuous power and high starting capabilities with a very stable voltage supply

Marine generators from Panda 7 Mini with voltage regulation and voltage tolerance ±3V

- 3000 rpm - 50 Hz - 230V
- 3000 rpm - 50 Hz - 400V
- 3600 rpm - 60 Hz - 120 / 240V
- 3600 rpm - 60 Hz - 208V AC



Model			Panda 4000s.Neo PMS	Panda 5K PMS	Panda 7 Mini PMS	Panda 8000x PMS	Panda 8 Mini PMS	Panda 10000x PMS	Panda 12000x PMS	Panda 12 Mini PMS	Panda 15000x PMS	Panda 18x PMS	Panda 24x PMS	Panda 30x PMS	Panda 30ICx PMS
Nominal performance ^{*)}	230V 1-phase 50 Hz	kW	3.4			6.8		8.0	10.2		12.7	15.3	20.4	25.5	27
		kVA	4.0			8.0		9.4	12.0		15.0	18.0	24	30	31.7
	400V 3-phase 50 Hz	kW				6.8		8.0	10.2		12.7	15.3	20.4	25.5	27
		kVA				8.0		9.4	12.0		15.0	18.0	24	30	31.7
	120 V on request 1-phase 60 Hz (request : 2x120V/240V)	kW		4,0	6.0		7.5			11.5					
		kVA		4,7	6.0		7.5			11.5					
Engine speed		rpm	3000	3600	3600	3000	3600	3000	3000	3600	3000	3000	3000	3000	3000
Voltage tolerance			±5 %	±5 %	±3 V	±3 V	±3 V	±3 V	±3 V	±3 V	±3 V	±3 V	±3 V	±3 V	±3 V
Control			-	-	VCS	xControl	VCS	xControl	xControl	VCS	xControl	xControl	xControl	xControl	xControl
Cooling circuits			2	2	2	2	2	2	2	2	2	2	2	2	2
Capsule type			GFK	GFK	GFK	GFK	GFK	GFK	GFK	GFK	GFK	GFK	GFK	GFK	GFK
Sound insulation			3D	3D	3D	3D	3D	3D	3D	3D	3D	3D	3D	3D	3D
Engine manufacturer			Fischer Panda	Kubota	Kubota	Kubota	Kubota	Kubota	Kubota	Kubota	Kubota	Kubota	Kubota	Kubota	Kubota
Engine type			FPE320	Z482	Z482	Z482	Z482	Z602	D722	D722	D902	D1105	V1505	V1505T	V1505T IC
Engine displacement			298	479	479	479	479	599	719	719	898	1123	1498	1498	1498
Number of cylinders			1	2	2	2	2	2	3	3	3	3	4	4	4
Sound level 7m / 3m / 1m		dbA	54 / 64 / 69	52 / 62 / 67	52 / 62 / 67	52 / 62 / 67	53 / 63 / 68	52 / 62 / 67	53 / 63 / 67	54 / 64 / 68	54 / 64 / 68	55 / 65 / 69	55 / 65 / 69	55 / 65 / 69	55 / 65 / 69
Approx. capsule dimensions excl. fittings L x W x H		mm	550 450 518	540 445 554	595 445 555	595 445 555	595 445 555	650 445 570	705 450 590	705 450 587	740 480 600	832 517 620	1010 515 674	1010 515 674	1010 515 674
Approx. weight incl. capsule		kg	93	132	163	164	163	175	195	195	248	297	355	403	403

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NOTE: *) For asynchronous generators up to and including P15000: the KVA is calculated with cosPhi = 0.85 for a short starting performance of inductive consumers. Otherwise it should be calculated with a factor of 1. Generators above and including Panda 16 with an optional start performance with compensation or starting-current booster are calculated with cosPhi = 0.85 otherwise it should be calculated with a factor of 1.

Fischer Panda “Hybrid Power”

DC generators

The ideal battery-charging generators for battery systems which may be required to power larger consumers for short periods during the day.



Panda AGT-DC marine generators

- 12 V / 24 V / 48 V
- (other voltages available on request)

Model		AGT-DC 4000-12V PMS	AGT-DC 4000-24V PMS	AGT-DC 4000-48V PMS	AGT-DC 6000-24V PMS	AGT-DC 8000-24V PMS	AGT-DC 11000-48V PMS	AGT-DC 13000-48V PMS	AGT-DC 18000-48V PMS	AGT-DC 22000-48V PMS
Continuous performance ¹⁾	kW	3.2	3.2	3.2	4.8	6.4	10.9	12.7	17.9	21.9
Nominal voltage	V	12	24	48	24	24	12 V - 400 V versions available. Current dependent upon voltage			
Constant current rate	A	220	110	110	170	220				
Engine speed	rpm	2400-3000	2400-3000	2400-3000	2400-3200	2300-2900	2300-2900	2400-3000	2400-3000	2400-3000
Control		fpControl	fpControl	fpControl	fpControl	fpControl	fpControl	fpControl	fpControl	fpControl
Cooling circuits		2	2	2	2	2	2	2	2	2
Sound insulation		GFK	GFK	GFK	GFK	GFK	GFK	GFK	GFK	GFK
Capsule type		3D	3D	3D	3D	3D	3D	3D	3D	4DS
Engine manufacturer		Kubota	Kubota	Kubota	Kubota	Kubota	Kubota	Kubota	Kubota	Kubota
Engine type		EA300	EA300	EA300	Z482	D722	D902	D1105	V1505	V1505T
Engine displacement	cm³	309	309	309	479	719	898	1123	1498	1498
Cylinders		1	1	1	2	3	3	3	4	4
Sound level 7 m / 3 m / 1 m	dbA	54/64/68	54/64/68	54/64/68	53/63/68	53/63/68	54/64/68	55/65/69	55/65/69	55/65/69
Approx. capsule dimensions excl. fittings L x W x H	mm	598 398 410	598 398 410	598 398 410	560 510 584	660 515 594	660 580 616	760 515 613	870 540 675	960 570 680
Approx. weight incl. capsule	kg	90	90	90	139	160	170	226	265	350

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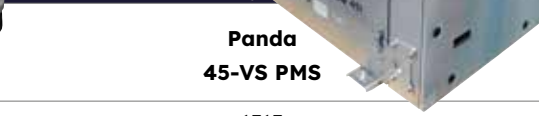
¹⁾The performance of an AGT-DC generator must be limited to the constant performance when batteries are used.

Fischer Panda “Hybrid Power VS”

DC generators with variable speed

The Fischer Panda variable-speed Hybrid DC generators have been especially designed for electric propulsion on board. These generators are compact, quiet, powerful and economical. They are characterized by their modern , innovative and electronic regulated hybrid charger which allows a wide RPM range at constant voltage. This technology is a further step into green motion of electric propulsion.



Model		 Panda 20-VS PMS	 Panda 45-VS PMS
Approx. capsule dimensions excl. fittings (L x W x H)	[mm]	840	1313
		515	800
		661	892
Weight	[kg]	245	595
Sound level ¹⁾ (7m / 3m 1m)	[dB]	55 / 60 / 70	55 / 60 / 70
Cooling system		Dual circuit freshwater cooling via heat exchanger	
Standard capsule		GFK 3D	MPL 6DS
Performance			
Nominal output	[kW]	20	45
Charging voltage	[V]	300-500	300-500
Max. current **	[A]	66	150
Regulation		electronic - performance or voltage or current	
Control			
Starter system		12V electric start	
Autostart		integrated	
Remote control panel		 fpControl digital display	
Charger		Hybrid Charger	Hybrid Charger
Charger cooling		water-cooled	water-cooled
Charger	[kg]	external	mounted inside capsule
Engine			
Engine manufacturer		Kubota	Hatz
Engine type		V1505	4H50TIC
Engine displacement	[cm³]	1498	1952
Speed	[rpm]	1200-3000	1200-2800

** max current depending on the output power and voltage

¹⁾ Sound levels are preliminary levels only. Fischer Panda GmbH reserves the right to alter technical specifications without prior notice.



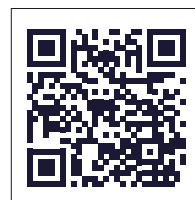
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