

Fischer Panda 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 performance ³	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	2400-2800	2400-2800	2200-2800	2200-2800	2200-3600	2200-2800	1500-2800	1500-2700	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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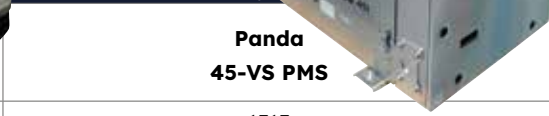
¹⁾The performance of an AGT-DC generator must be limited to the constant performance when batteries are used.

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.



		 Panda 20-VS PMS	 Panda 45-VS PMS
Model			
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.

Complete programme

Fischer Panda generators are available in different versions to suit your individual requirements.

Panda PVMV-N

Vehicle generator with sound insulation capsule, integrated water-cooled vertically mounted pre-silencer and main silencer.



- Best choice when space is available inside vehicle
- Easy to install
- Requires external radiator
- Suitable for internal installation
- Complete water-cooled silencer inside capsule
- Also suited for keel cooling in ships
- Glass-reinforced plastic (GRP) capsule standard for models up to 12 kW
- Stainless steel capsule (MPL) for models from 15 kW and above

Panda PVM-NE

The PVM-NE is the standard version for generators above 30 kW. The PVM-NE is similar to the PVMV-N, however the silencer is not water-cooled and is externally mounted on the capsule.



- The generator must be installed in a well-ventilated area because heat is absorbed by the silencer. An additional silencer is not necessary. The generator is housed within a sound insulation capsule.
- Suitable for internal installation
 - Requires external radiator
 - Easy to install

Panda PVK-U

Vehicle generators with internal water-cooled silencer for mounting externally on the vehicle chassis. This generator type is ideal for installing on trucks with limited space between axles. The heavy-duty housing is also suitable for expedition vehicles.



- Designed for external mounting
- Assembly bolts pre-fitted to housing
- Metal capsule with a heavy-duty cover
- Wide access hatch for easier access
- Water-cooled exhaust silencer inside capsule
- No additional exhaust silencer required
- Requires external radiator

Panda PVK-UK

Vehicle generator “Compact Construction” with integrated cooling system for mounting externally on the vehicle chassis.



- Designed for external mounting
- Assembly bolts pre-fitted to housing
- Metal capsule with a heavy-duty cover
- Wide access hatch for easier access
- Sound insulation capsule
- Water-cooled exhaust silencer inside capsule
- No additional exhaust silencer required
- Integrated radiator and cooling system

Panda PSC

Self-Contained generators are complete “turnkey” units fitted with an integrated cooling system, fuel-tank and electrical cabinet.



- Integrated fuel tank
- Vertically or horizontally mounted radiator
- Suitable for external mounting
- Sound insulation capsule
- Water-cooled exhaust silencer inside capsule
- No additional exhaust silencer required
- Integrated radiator and cooling system



Technical data for Fischer Panda vehicle generators



Panda generator Model / type	Generator nominal performance				Voltage tolerance	Engine manufacturer	Engine type	Displacement cm³	No. of cylinders	Sound level [dBA] (7m / 3m / 1m)		for internal installation				for installation under the chassis									
	HP1		HP3									PVMV-N (bis 30 kW) / PVM-NE (ab 30 kW)				PVK-U				PVK-UK					
	230 V 1 Phase 50 Hz (kW) (kVA*)		400 V 3 Phase 50 Hz (kW) (kVA)									Approx. capsule dimensions L x W x H) mm	Weight incl. capsule (kg)	Standard capsule type	Standard sound insulation	Approx. capsule dimensions L x W x H) mm	Weight incl. capsule (kg)	Standard capsule type	Standard sound insulation	Approx. capsule dimensions L x W x H) mm	Weight incl. capsule (kg)	Standard capsule type	Standard sound insulation		
Perfect Power : iSeries Panda vehicle generators																									
Panda 5000i.Neo	0-4,0	5	0-12,0	15,0	±3 V	Fischer Panda	FP320	309	1	54 / 64 / 68		610 x 460 x 570	request	GFK	4DS	not available in this version				not available in this version					
Panda 5000i	0-4,0	5			±3 V	Kubota	EA300	309	1	54 / 64 / 68		780 x 460 x 430	120	GFK	4DS	761 x 447 x 440	140	MPL	4DS	1204 x 445 x 460	176	MPL	4DS		
Panda 5000i GreenTec	0-4,0	5			±3 V	Kubota	Z482	479	2	54 / 64 / 68		660 x 515 x 610	138	GFK	4DS	not available in this version				not available in this version					
Panda 8000i	0-6,4	8,0			±3 V	Kubota	Z482	479	2	52 / 62 / 67		760 x 515 x 609	192	GFK	4DS	780 x 530 x 620	220	MPL	4DS	1295 x 531 x 621	265	MPL	4DS		
Panda 10000i	0-8,0	10,0			±3 V	Kubota	Z602	599	2	52 / 62 / 67		760 x 515 x 609	195	GFK	4DS	809 x 530 x 620	225	MPL	4DS	1426 x 530 x 620	275300	MPL	4DS		
Panda 15000i-230V	0-12,0	15,0			±3 V	Kubota	D902	898	3	54 / 64 / 68		910 x 515 x 619	230	GFK	4DS	910 x 530 x 600	268	MPL	4DS	1516 x 530 x 625	355	MPL	4DS		
Panda 15000i-400V					±3 V	Kubota	D902	898	3	54 / 64 / 68		910 x 515 x 619	230	GFK	4DS	910 x 530 x 600	268	MPL	4DS	1516 x 530 x 625	355	MPL	4DS		
Panda 25i-230 V	0-20,0	25,0			±3 V	Kubota	V1505	1498	4	54 / 64 / 68		1070 x 650 x 690	335	MPL	4DS	1085 x 545 x 680	request	MPL	4DS	1715 x 534 x 691	460	MPL	4DS		
Panda 25i-400 V					0-20,0	25,0	±3 V	Kubota	V1505	1498	4	54 / 64 / 68		1070 x 650 x 690	335	MPL	4DS	1085 x 545 x 680	request	MPL	4DS	1715 x 534 x 691	460460	MPL	4DS
Panda 45i					0-36,0	45,0	±3 V	Kubota	V2403T	2434	4	55 / 65 / 69		1412 x 660 x 880	662	MPL	4DS	1449 x 696 x 820	request	MPL	4DS	not available in this version			
Panda 60i			0-48,6	60,0	±3 V	Hatz	4H50TIC	1952	4	66 / 69 / 72		1592 x 800 x 870	707	MPL	4DS	not available in this version				not available in this version					
Compact Power : xSeries Panda vehicle generators - 3000 rpm - 50 Hz																									
Panda 8000x	6,8	8,0	6,8	8,0	±3 V	Kubota	Z482	479	2	52 / 62 / 67		870 x 515 x 634	230	GFK	4DS	870 x 523 x 580	279	MPL	4DS	1330 x 522 x 620	332	MPL	4DS		
Panda 10000x	8,0	9,4	8,0	9,4	±3 V	Kubota	Z602	599	2	52 / 62 / 67		910 x 515 x 630	240	GFK	4DS	910 x 522 x 620	290	MPL	4DS	1516 x 522 x 620	340	MPL	4DS		
Panda 12000x	10,2	12,0	10,2	12,0	±3 V	Kubota	D722	719	3	53 / 63 / 67		950 x 515 x 629	253	GFK	4DS	960 x 530 x 625	317	MPL	4DS	1566 x 530 x 625	370	MPL	4DS		
Panda 15000x	12,7	15,0	12,7	15,0	±3 V	Kubota	D902	898	3	54 / 64 / 68		1010 x 515 x 634	316	GFK	4DS	1000 x 530 x 630	365	MPL	4DS	1606 x 522 x 630	430	MPL	4DS		
Panda 18x	15,3	18,0	15,3	18,0	±3 V	Kubota	D1105	1123	3	55 / 65 / 69		1100 x 540 x 680	415	MPL	4DS	1100 x 560 x 680	440	MPL	4DS	1736 x 560 x 680	544	MPL	4DS		
Panda 24x	20,4	24,0	20,4	24,0	±3 V	Kubota	V1505	1498	4	55 / 65 / 69		1220 x 540 x 680	465	MPL	4DS	1225 x 542 x 684	492	MPL	4DS	1854 x 542 x 684	492	MPL	4DS		
Panda 30x	25,5	30,0	25,5	30,0	±3 V	Kubota	V1505T	1498	4	55 / 65 / 69		1270 x 570 x 700	512	MPL	4DS	1270 x 570 x 690	530	MPL	4DS	1970 x 564 x 640	687	MPL	4DS		
Panda 30 CR			25,5	30,0	±3 V	Kubota	V1505-CR-T	1498	4	55 / 65 / 69		1272 x 620 x 789	553	MPL	4DS	not available in this version				not available in this version					
Fischer Panda „Hybrid Power“: Panda AGT-DC battery charging vehicle generators																									
Model / Type AGT generator	Continuous performance (kW)		Nominal voltage (DC)	Constant current rate (A)	Voltage tolerance	Engine manufacturer	Engine type	Displacement cm³	No. of cylinders	Sound level [dBA] (7m / 3m / 1m)		Approx. capsule dimensions (excl. fittings) L x W x H (mm)	Weight incl. capsule (kg)	Standard capsule type	Standard sound insulation	Approx. capsule dimensions (excl. fittings) L x W x H (mm)	Weight incl. capsule (kg)	Standard capsule type	Standard sound insulation	Approx. capsule dimensions (excl. fittings) L x W x H (mm)	Weight incl. capsule (kg)	Standard capsule type	Standard sound insulation		
AGT-DC 4000-12	3,2		12	220	±3 V	Kubota	EA300	309	1	55 / 65 / 69		770 x 450 x 430	120	GFK	4DS	not available in this version				not available in this version					
AGT-DC 4000-24	3,2		24	110	±3 V	Kubota	EA300	309	1	55 / 65 / 69		770 x 450 x 430	120	GFK	4DS										
AGT-DC 6000-24	4,8		24	170	±3 V	Kubota	Z482	479	2	52 / 62 / 67		760 x 515 x 609	189	GFK	4DS										
AGT-DC 8000-24	6,4		24	220	±3 V	Kubota	D722	719	3	53 / 63 / 67		860 x 515 x 614	216	GFK	4DS										
AGT-DC 12000-48	12,0		request		±3 V	Kubota	D902	898	3	54 / 64 / 68		870 x 515 x 614	request	GFK	4DS										
AGT-DC 16000	16,0		request		±3 V	Kubota	V1505	1498	4	55 / 65 / 69		1100 x 550 x 690	366	MPL	4DS										
AGT-DC 20000	20,0		request		±3 V	Kubota	V1505T	1498	4	55 / 65 / 69		request	request	MPL	4DS										

*) For inverter generators: output performance is calculated with a Cos Phi factor 0.8 up to 40 °C ambient temperature, otherwise calculate with factor 1.0 up to 50 °C.

*) For asynchronous generators (up to and including Panda 15000), the KVA is calculated with Cos Phi 0.85 for a short starting performance of inductive consumers. Otherwise it should be calculated with factor 1.0. Generators above and including Panda 16 are calculated with an optional start performance with compensation or starting current booster, otherwise it should be calculated with a factor of 1.

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.

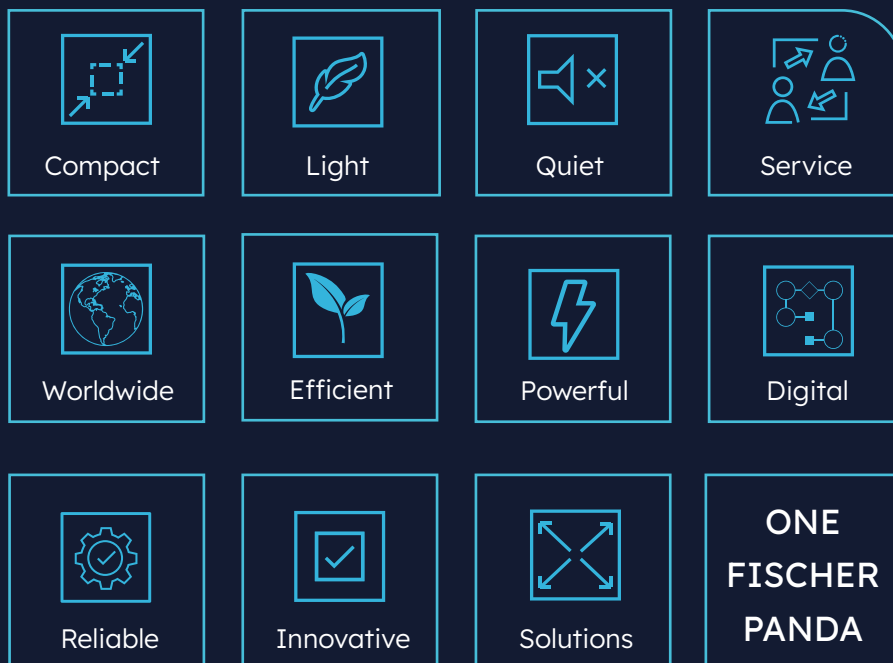
Roof-mounted radiators from Fischer Panda



Side-mounted radiators from Fischer Panda



Radiator		Weight (dry)	Approximate dimensions (L x W x H) mm	Article no.	Suited for generator model																									
					Panda 5000i Greentec	Panda 5000i.Neo	Panda 5000i	Panda 8000i	Panda 10000i	Panda 15000i	Panda 25i	Panda 45i	Panda 60i	Panda 8000x	Panda 10000x	Panda 12000x	Pande 15000x	Panda 18x	Panda 24x	Panda 30x	AGT 4000-12	AGT 4000-24	AGT 6000-24	AGT 8000-24	AGT 12000-48	AGT 14000	AGT 16000	AGT 25000		
RD-D: Roof radiators DC																														
RD 1.2	24 V	18	705 x 390 x 310	0015625			x														x	x								
RD 2.2	24 V	29	930 x 515 x 321	0000424				x	x					x	x								x							
RD 3.2	24 V	32	1055 x 515 x 312	0015633					x	x						x	x							x	x					
RD 3.2 Trop	24 V	40	1055 x 515 x 361	0015634					x	x						x	x							x	x					
RD-A: Roof radiators AC																														
RD 1.3	230 V / 50 Hz	20	705 x 390 x 304	0022744	x	x																								
RD 3.3	230 V / 50 Hz	36	1055 x 515 x 369	0015635			x	x	x	x				x	x	x	x													
RD 3.3 Trop	230 V / 50 Hz	42	1055 x 515 x 364	0015638				x	x	x				x	x	x	x													
RD 4.2	230 V / 50 Hz	32	735 x 705 x 395	0015639				x	x	x				x	x	x	x						x	x	x					
RD 16.2	230 V / 50 Hz	56	1040 x 630 x 392	0015658														x	x							x	x			
RD 6 / 2.2	230 V / 50 Hz	67	1405 x 630 x 414	0015568																x										
RD 6 / 2.2 Dual	230 V / 50 Hz	104	1405 x 640 x 493	0015659							x																			
RD 7.2	400 V / 50 Hz		858 x 940 x 502	0015660																										
RD 7.2 Dual	400 V / 50 Hz	190	1011 x 920 x 597	0015661								x																		
RD 60i	400 V / 50 Hz	85	1870 x 878 x 551	0024831									x																	
RV-D: Side-/underneath radiators DC																														
RV 1.2	24 V	13	620 x 330 x 214	0015721			x														x	x								
RV 2.2	24 V	21	750 x 450 x 224	0015692				x	x					x	x								x							
RV 3.2	24 V	24	880 x 450 x 224	0015693					x	x						x	x							x	x					
RV 3.2 Trop	24 V	30	920 x 450 x 254	0015695					x	x						x	x							x	x					
RV-A: Side-/underneath radiators AC																														
RV 1.3	230 V / 50 Hz	15	620 x 330 x 192	0022745	x	x																								
RV 3.3	230 V / 50 Hz	30	880 x 450 x 210	0015697			x	x	x	x				x	x	x	x													
RV 3.3 Trop	230 V / 50 Hz	33	920 x 450 x 259	0015698				x	x	x				x	x	x	x													
RV 5.2	230 V / 50 Hz	32	580 x 610 x 356	0015699				x	x	x				x	x	x	x						x	x	x					
RV 13.160	230 V / 50 Hz	52	601 x 690 x 441	0035473														x	x							x	x			
RV 6/2.2	230 V / 50 Hz	63	1280 x 550 x 322	0015702																x							x	x		
RV 6/2.2 Dual	230 V / 50 Hz	81	1280 x 556 x 378	0015703							x																			
RV 14.120	400 V / 50 Hz	48	690 x 780 x 355	0005800																	x							x		
RV 14.160	400 V / 50 Hz	55	690 x 780 x 407	0015704																										
RV 7.2	400 V / 50 Hz	63	800 x 1000 x 416	0015706																										
RV 7.2 Dual	400 V / 50 Hz	78	940 x 800 x 438	0005798								x																		
RV 8.2	400 V / 50 Hz		1012 x 1100 x 396	0015707																										

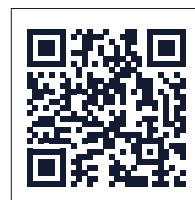


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Disclaimer: The information contained here is to the best of our knowledge accurate at the date of publication. Please note that the data in this publication reflects the technical state at time of print. Due to our policy of continual product development, we reserve the right to alter technical specifications without notice.

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