

Fischer Panda iSeries vehicle generators with variable speed technology

Fischer Panda iSeries generators are characterised by their environmentally friendly inverter technology. The electric load is provided with a constant output voltage of 230 V / 50 Hz or 120 V / 60 Hz via an inverter. The speed of the diesel engine is adjusted according to the changing power requirements while the output voltage always remains constant from the inverter. Variable speed control considerably reduces exhaust emissions and fuel consumption in comparison with a traditional fixed-speed generator. The maximum speed of the engine is 2800 rpm. A clean sine wave with exceptional voltage, frequency stability and low noise are just some of the additional benefits.

- Variable speed - load-dependent
- Small size and low weight - compact installation
- Highly efficient - maximum energy
- 230 V AC output - reliable power supply
- Pure sinus wave is ideal for computers and communications
- High starting capacity for air conditioners and pumps
- Easy to install - lower costs
- Environmentally friendly - lower fuel consumption
- Suited for stationary applications - energy for off-grid homes and remote locations

“Parallel” iSeries - the powerful solution for even more comfort and safety

The iSeries generators are available as “Parallel” versions. When weight distribution is critical, two smaller iSeries “Parallel” generators can be installed instead of a single larger generator. Their combined power can provide the same performance. Simple parallel connection of two outputs - a parallel cabinet is not required.

- Parallel connection of multiple iSeries “Parallel” generators of different types.
- Both generator systems are fully independent from another. Each has its own controller, inverter and panel. They can be individually operated.
- Specially designed inverter for parallel operation
- Parallel inverters are synchronised internally (no additional cables required).
- Load-Sharing: both generators are equally loaded when operating in parallel.
- Some applications may benefit from weight distribution with two smaller generators.



Underfloor version with integrated radiator (PVK-UK)

Compact version for external installation underfloor (PVK-U)

Compact version for internal installation (PVMV-N)

Perfect Power



Parallel iSeries generators

230V / 400V



Panda iControl Panel





Generator							
Model		Panda 5000i PVMV-N	Panda 8000i PVMV-N	Panda 10000i PVMV-N	Panda 15000i PVMV-N	Panda 25i PVMV-N	Panda 45i PVM-NE
Approx. capsule dimensions excl. fittings (LxWxH)	[mm]	780 x 460 x 430	760 x 515 x 609	760 x 515 x 609	910 x 515 x 619	1070 x 560 x 690	1412 x 660 x 880
Weight	[kg]	120	192	195	205	335	662
Sound level (7m / 3m / 1m)	[dB]	54 / 64 / 68	52 / 62 / 67	52 / 62 / 67	54 / 64 / 68	54 / 64 / 68	55 / 65 / 69
Cooling system		Single circuit - freshwater cooling with external radiator					
Performance							
Nominal output	[kW]	0-4.0 kW* (5 kVA)	0-6.4 kW* (8 kVA)	0-8.0 kW* (10 kVA)	0-12.0 kW** (15 kVA)	0-20.0 kW* (25 kVA)	0-36.0 kW* (45 kVA)
Continuous output	[kW]	0-3.6 kW*	0-5.8 kW*	0-7.2 kW*	0-10.8 kW**	0-18 kW*	0-32.4 kW*
Voltage stability	[%]	230 V ±3 %	230 V ±3 %	230 V ±3 %	230 V ±3 %	230 V / 400 V ±3 %	400 V ±3 %
Frequency stability	[%]	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
Voltage regulation		electronic	electronic	electronic	electronic	electronic	electronic
Frequency regulation		electronic	electronic	electronic	electronic	electronic	electronic
Control							
Starter system		12 V electric	12 V electric	12 V electric	12 V electric	12 V electric	12 V electric
Autostart		integrated	integrated	integrated	integrated	integrated	integrated
Remote control panel		Panda iControl2 with digital display					
Inverter		PMGi 5000	PMGi 8000	PMGi 10000	PMGi 15000	PMGi 25	PMGi 45
Inverter cooling		air-cooled	air-cooled	air-cooled	air-cooled (1~) water-cooled (3~)	water-cooled 3~	water-cooled 3~
Inverter weight	[kg]	9.75	9.75	13.5	16 (1~) / 21 (3~)	39 (3~)	inverter is mounted inside capsule
Inverter dimensions	[mm]	350 x 206 x 144	340 x 251 x 206	340 x 251 x 206	410 x 251 x 225 (1~) 520 x 284 x 199 (3~)	540 x 414 x 224	
Engine							
Engine manufacturer		Kubota	Kubota	Kubota	Kubota	Kubota	Kubota
Engine type		EA 300	Z482	Z602	D902	V1505	V2403T
Engine displacement	[ccm]	309	479	599	898	1498	2434
Speed	[rpm]	2200 - 2800	2200 - 2800	2200 - 2800	2200 - 2800	2200 - 2800 (1~) 1500 - 2800 (3~)	1500 - 2800

Disclaimer: The information contained here is to the best of our knowledge accurate at the date of publication. 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. All products are subject to continuous development and Fischer Panda GmbH reserves the right to alter technical specifications without prior notice.

*) cosPhi 0,8 up to 40 °C ambient temperature, other cosPhi 1 up to 50 °C

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Lloyd's Register

