



Fischer Panda

Auxiliary Power Units (APUs) for Military Applications

- High Performance
- Extremely Quiet
- MIL-STD Proved
- Water-Cooled
- Compact
- Light



Command & Control



Communications



Surveillance



Reconnaissance



Tactical Shelters



Trailer Mounted

AC + DC Power



Auxiliary Power Units (APUs) for Military Applications

There is probably no other area where low noise, compact dimensions and high efficiency are of such importance.

Fischer Panda produce military generators for a wide range of applications requiring mobile power.

Fischer Panda military generators are EMC proved according to MIL-STD 461E and are difficult to detect by infrared devices due to an effective insulation. The generators are housed within a super-silent special sound cover which ensures the Panda diesel APU runs with a very low noise level.



- Perfect Sine Wave. Critical for sophisticated electronics
- The stator winding is water-cooled for highest efficiency
- Specially-lined foam insulation
- No hot, humid, dirty air used for inside cooling
- Low Noise: 58 dbA at 7 meters^(*)
- Weight & size savings
- No windings, no brushes, no diodes
- Water-cooled System for Engine & Generator
- Lifetime guarantee on rotor: No parts to fail or replace
- EMC proved according to MIL-STD 461E
- Shock & vibration proved according to MIL-STD 810
- Metal Sound Capsule
- Asynchronous Design
- Minimal IR Signature
- Protection against environmental threats
- Reliability
- Design flexibility

^{*} or lower depending on type



Air-Cooled DC Generators

28V / 2 kW – 4,5 kW



AGT 2500 YA



AGT 3500 YA



Water-Cooled DC Generators

28V / 4 kW – 10 kW



AGT 5000 PE-150 N
(M577)



AGT 4000 PVMV-N
(M113)



Water-cooled AC generators 50 / 60 Hz

4 kW – 55 kW

230V / 50Hz Single Phase

120 / 240V 60Hz Single Phase

230V / 400V 50Hz Three Phase

120V / 208V 60Hz Three Phase

240V / 416V 60Hz Three Phase



Panda 8000 NE PSC



Panda 18 NE SST PSC
(HUMVEE)



Water-cooled AC generators 400 Hz

120V / 208V / 400 Hz

240V / 416V / 400 Hz

120V / 208V / 400 Hz



Panda AGT 6000 PSC



Panda AGT 12000 PSC



Combined Generator / Aircons (Combi)

6 / 10 / 12 V

10 kW electric + 22.000 BTU Aircon

28 V DC + Aircon



Panda AGT 6000 PSC



Panda SST 10 Combo
(HUMVEE Shelter or equivalent)



Technical Specifications

Generator Type ⁽¹⁾	Auxillary Power Unit (APU)			External Radiator	
	Electrical Output	Dimensions (LxWxH) mm ⁽²⁾	Weight kg ⁽²⁾	Dimensions (LxWxH) mm ⁽²⁾	Weight kg ⁽²⁾
Air-Cooled DC Generators					
AGT 2500 YA	2,2 kW DC 12 / 24 V	580 x 460 x 530 (+50mm for cooling fan)	70		
AGT 3500 YA	3,3 kW DC 24 V	550 (+ 2*60 air intake) x 490 x 520	70		
Water-Cooled DC Generators					
AGT 5000 PE-150 N	5 kW DC 24 V / 180A	520 x 735x 870	280		
AGT 5000 PE-150 NA	5 kW DC 24 V / 180A	750 x 860 x 520	255	750 x 360 x 320	25
AGT 4000 PVK	4 kW DC 24 V	750 x 420 x 450	140	700 x 390 x 275	15
AGT 4000 PVMV-N	4 kW DC 24 V	750 x 420 x 450	140	700 x 390 x 275	15
AGT 4000 PVMV-N (built in vehicle type)	4 kW DC 24 V	530 x 482 x 405	100		
AGT 5000 - RAY	5 kW DC 12 / 24 V	575 x 600 x 585	140	740 x 400 x 200	20
Water-cooled AC generators 50 / 60 Hz					
Panda 8000 NE PSC	6 kW AC 50 Hz	1208 x 620 x 1160	467		
Panda 15/10 PSC-EU	10 kW AC 50 Hz	1250 x 860 x 1070	755		
Panda 15KB-PSC-EU	15 kW AC 50 Hz	2000 x 620 x 790	630		
Panda 15KB-PSC-US	15 kW AC 60 Hz	2000 x 620 x 790	630		
Panda 18 NE SST PSC	18 kW AC 60 Hz	2110 x 684 x 770	600		
Panda 24 NE PSC	20 kW AC 50 Hz	2050 x 800 x 820	850		
Panda 24 NE PSC	20 kW AC 60 Hz	2050 x 800 x 820	850		
Panda 40 / 2 YA PSC	40 kW AC 50 Hz	1900 x 900 x 850 (+ 100 for fuel intake)	1000		
Water-cooled AC generators 400 Hz					
AGT 6000 PSC	6 kW AC 120 V / 208 V / 400 Hz 240 V / 416 V / 400 Hz	1770 x 640 x 770	378		
AGT 8000 PSC	8 kW AC 120 V / 208 V / 400 Hz 240 V / 416 V / 400 Hz	1770 x 640 x 770	382		
AGT 12000 PSC	12 kW AC 120 V / 208 V / 400 Hz 240 V / 416 V / 400 Hz	2000 x 650 x 804	500		
Combined Generator / Aircons (Combi)					
AGT 4000 28 V + compressor (on request)	4 kW DC 24 V + air conditioning	560 x 340 x 250	140		
Panda 10 Combo SST	10 kW AC 120 V / 240V / 60 Hz + 22 BTU air conditioning	2080 x 635x750	425		

¹⁾ This table covers only some of the current military generators available from Fischer Panda. Please contact us for a quote concerning your specific application and performance requirements.

²⁾ All dimensions are subject to change without prior notification.



Fischer Panda

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