



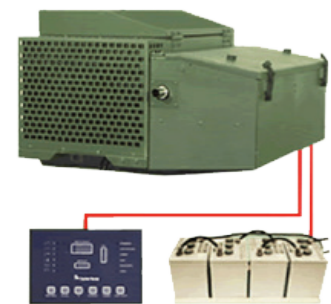
# AGT5000PE-150N Mobile DC Generator/APU



Originally designed for the M113 and M577 vehicles, the AGT5000 DC generator/APU incorporates state of the art permanent magnet technologies, the super quiet and low heat signature of all Fischer Panda generators and our parameter controlled auto start/stop functions ensuring the power needed for the mission.

**FEATURES INCLUDE:**

- 55 dBA at 7 meters
- Auto start/stop
- Emergency automatic shutdown for low oil pressure, high coolant, windings & oil temp, short circuit overload
- Manual emergency stop switch and battle short switch
- Control Panel in the generator capsule
- External control panel can be mounted inside vehicle
- A reduced heat signature due to the Fischer Panda liquid-cooled exhaust muffler and the complete encapsulation of the generator.
- EMI Hardened
- Over 250 hours between service intervals
- Unique sloped design which facilitates unrestricted vision



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U.S.A.

[www.FischerPanda.com/Military](http://www.FischerPanda.com/Military)

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ENGINE SPECIFICATIONS		
Engine	Kubota Horizontal 4 Stroke Diesel D722	
Cylinder	3	
Bore * Stroke	67 * 68 mm	
Displacement	719 cm <sup>3</sup>	
OUTPUT POWER	SAE J1349	15.4 HP (2400 RPM)
	Gross Intermittent	11.3 kW (2400 RPM)
	SAE J1349	11.2 HP (2400 RPM)
	Net Continuous	8.2 kW (3000 RPM)
Start System	Electric start 24V	
Cooling System	Liquid-cooled	
Combustion System	Indirect (E-TV5)	
Temperature Range	Storage -50°F to +160°F (-45°C to +71°C)	
Fuel	Diesel, DL-1, DL-2, Jet Fuel, JP5, JP-8	
ALTERNATOR SPECIFICATIONS		
Type	AGT 5000 / 28 V synchronous	
Excitation	Rare earth magnetic	
Voltage	22V three phase AC	
Polarity	16--- pole	
Nominal Frequency	400 Hz	
Rectifier	6 pulse rectifier	
Nominal Output Voltage	28V DC	

Normal Output Power	5 kW
Nominal Output Current	180 Amp
Regulation	Voltage regulation by patented VCS (Voltage Control System)
Adjustable Regulation	27.0 --- 28.8V (Other ranges on request)
Cooling	Air-cooled
APU SPECIFICATIONS	
Dimensions L x W x H	34" x 29" x 21.5" (864mm x 737mm x 546mm) Radiator 14" (356mm) can be remote located
Weight	540 lbs. (245kg) wet
Temperature Range	Operational -25°F to +130°F (-32°C to +55°C) other ranges on request
Sound Insulation	Capsule with sound insulation foam and lining
Noise Level	Approx 55 dBA@ 7 meters
Fuel Consumption	Approx 1.8 Liter per hour at nominal power
Fuel Connection	Quick release connectors
Electrical Connection	MIL-STD
Transport	Lifting eye (device for balanced lifting inside the APU)
Angle of Operation	Lat. 25 deg. / Long. 25 deg

Due to our policy of continual product development, we reserve the right to alter these specifications without notice.



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