B21P 30 kW
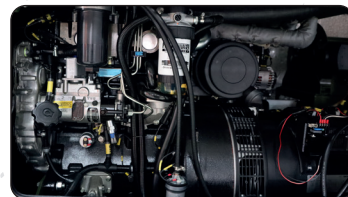# Military Generator

B21P 30 KW Military Generator

Generators are the systems which turn mechanical energy into electric energy and they provide continuous power requirements and energy needs of Turkish Armed Forces and law enforcement forces during battle with high efficiency at NATO standards. Generators are grouped according to their dimensions and types. AFSS Industry can design, test and produce special sized generators between 2 KW and 1000 KW conforming to NATO Military standards. It produces super silent generators with 65 db sound level at 7 meters. Dual type generators which backup each other and also communicate, are other equipment of generator family. It creates solutions for the requirements of law enforcement forces as mobile and stable.

ADVANTAGES B21P GENERATOR CONTAINS:

- The generator has the capability to get activated automatically in case the mains electricity coming to equipment shelter is cut.
- Military model AGM battery is used on B21P.
- Generator battery provides at least 40Ah capacity. (Battery has the capacity to activate the generator at least 3 times at -32°C ambient temperature using pre-heater.)
- B21P has Diesel engine, F54, F34, F65 operate with fuel.
- Control board, has IP67 protection standard.
- Generator has the capability to operate at full-load for at least 8 (eight) hours by its own tank without any refuel.
- It enables 220 VAC/50 Hz single-phase output.
- The connectors on the generator are produced in accordance with MIL-DTL–38999 and/or VG95234 standards.
- 3 years of Guaranty.

GENERAL SPECIFICATIONS

Output Voltage	220 VAC
Continuous Power	26 kW
Output Power	21 kW
Operating Temperature	-32 / +49 °C
Storage Temperature	-40 / +60 °C
Integrated Cooling System	Water Cooled
Sound Level	75 dB @ 7m
Maximum Operating Elevation	3000 m
Protection Level	IP23
System Weight	2800 Kg ±5
Connection Type	TCP ETHERNET
Generator Fuel Consumption	8,5 L/S
DIMENSIONS (Main Engine Unit) (LengthxWidthxHeight)	4600mmx2275mm×2200mm ±5
Remote Control	Avaible
Engine	Perkins

ENVIRONMENTAL TESTS

Low Pressure (Operational)	Min. 3000 m
Solar Radiation	MIL-STD-810G, Method 505.5, Prosedüre I, Kategori A2
Low Temprature (Operational)	MIL-STD-810G, Method 501.5, Procedure II, 49ºC+ Solar Radiation
High Temprature (Storage)	MIL-STD-810G, Method 501.5, Procedure I, 60ºC
Low Temprature (Operational)	MIL-STD-810G, Method 502.5, Procedure II, -32ºC
Low Temprature (Storage)	MIL-STD-810G, Method 502.5, Procedure I, -40 ºC
Humidity	MIL-STD-810G, Method 507.5, Procedure II, Figüre 507.5-7
Rain	MIL-STD-810G, Method 506.5, Procedure II
Vibration	To MIL-STD-810G, Method 514.6, Procedure I, Category 4, Table 514.6 C-VI, Figure 514.6 C-3 (3 axes)
Shock	MIL-STD810G, Method 516.6, Procedure I, Functional shock, 20 g 11 ms, Table 516.6-II, Sawtooth 3 axis.
Dust and Sand	MIL-STD-810G, Method 510.5, Procedure I, Procedure II

EMI/RFI SPECIFICATIONS

MIL-STD-461E/F Standard	CE102, RE102, CS101, CS114, CS115, CS116, RS103 Procedures

NE-7000 GENERATOR CONTROL BOX

— SPECIFICATIONS —

Tailored for the most demanding applications, the NE-7000 provides synchronization, load share, mains synchronization, soft transfer, AMF, ATS, Remote Start, Engine control and remote display panel functionalities in a single unit.

Easy commissioning is achieved with the automatic learning feature, a first in the industry.

- Multi genset synch & load share
- Mains synchronization
- Single genset parallel with mains
- AMF unit (uninterrupted transfer)
- ATS unit (uninterrupted transfer)
- Remote start controller
- Manual start controller
- Engine controller
- Remote display panel
- Long term data record on flash drive
- On-board Input&output extension
- Ethernet (10/100Mb)
- 4-band GPRS modem (optional)
- USB Host & USB Device

- RS-485 (2400-115200baud)
- RS-232 (2400-115200baud)
- Micro SD card slot
- J1939-CANBUS
- Geo-locating through GSM
- GPS support (USB & RS-232)
- Embedded web server
- Web monitoring & programming
- Internet Central Monitoring
- SMS message sending
- E-mail sending
- Free PC software: Rainbow Plus
- Modbus RTU & Modbus TCP/IP
- SNMP