

MIL-STD POWER GENERATOR SYSTEMS 500KVA



Technical Characteristics

External Dimensions: 6058 x 2434 x 2434 mm

Weight: 12.000 ± 5%

The MIL-STD Power Generator Systems 65 kVA are equipped by the following MIL-STD subsystems:

- ✓ n. 1 Doosan P222 LE-1 Engine
- ✓ n. 1 Marelli MJB 355 SB4 Alternator
- ✓ n. 1 Command & Control Panel
- ✓ n. 1 Electrical Distribution Panel
- ✓ n. 4 Batteries
- ✓ n. 1 Silencer
- ✓ n. 1 Fuel tank 900 Lt included in the enclosure
- ✓ n. 4 lateral doors
- ✓ n. 1 front door
- ✓ n. 1 rear door for air outlet

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Power Generator System 500 kVA (PSG)-P/N-TK10424

TK10424, 500 kVA Power Generator System (PGS), is operative for Italian Airforce in order to satisfy the special requirements as for MIL-STD needs resulting pitched outside the box. The PGS, is characterized by a steel structure that combines functional autonomy, total mobility to ensure timeliness intervention, rapid deployment, personnel security and simplicity of use. The PGS is designed by using MIL-STD items and technologically advanced equipment. The PGS is easy to use, light and compact, maintainable, repairable and storable without difficulty. PGS is designed in conformity with Machine Directive 2006/42/CE. It is rugged and reliable military electrical power generating source and operating under extreme environmental conditions. The PGS can be used in all military environments where electrical power for tactical equipment or troop support is needed, it can operate in the range -32°C to $+49^{\circ}\text{C}$ and meet all military requirements for humidity, sand, dust, salt spray, fungus and altitude. Teknel PGS is designed for an average technical life of 15 years / 50.000 working hours.

Environmental conditions

Temperature	-32°C / $+49^{\circ}\text{C}$
Humidity	100% (saturation)
Altitude	1.000 Meters
Wind with Sand	130 Km/h
Rain	≥ 51 mm/h, slope 45°
Hailstorm	30 mm diameter

Performance Characteristics

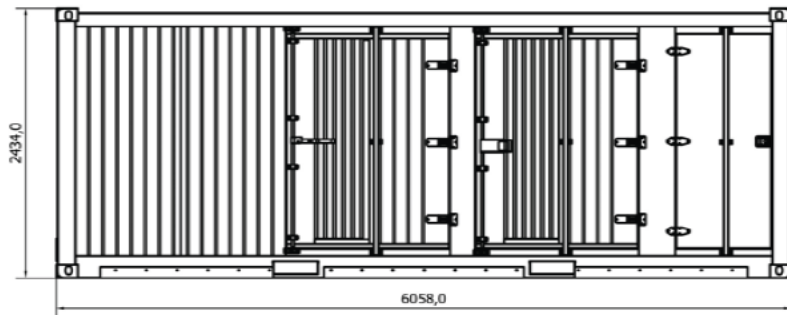
Rated Power	500 kVA
Concentrated Power	230/400 V
Rated Frequency	50 Hz
Power Factor	$\cos \phi = 0,8$.

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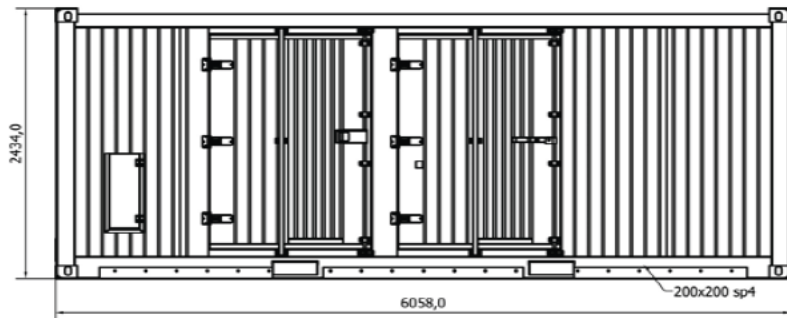


Power Generator System 500 kVA (PSG)-P/N-TK10424 Design

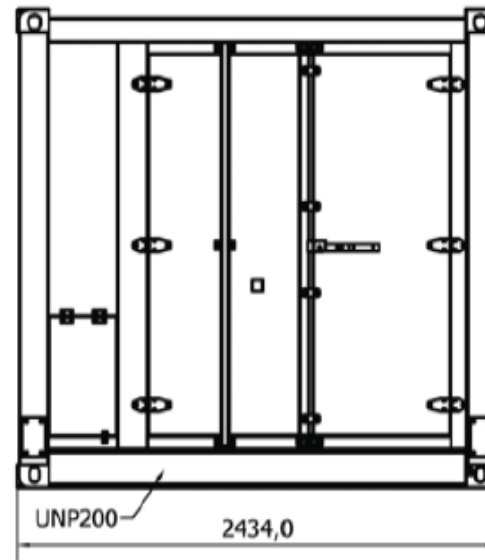
Vista Laterale SX



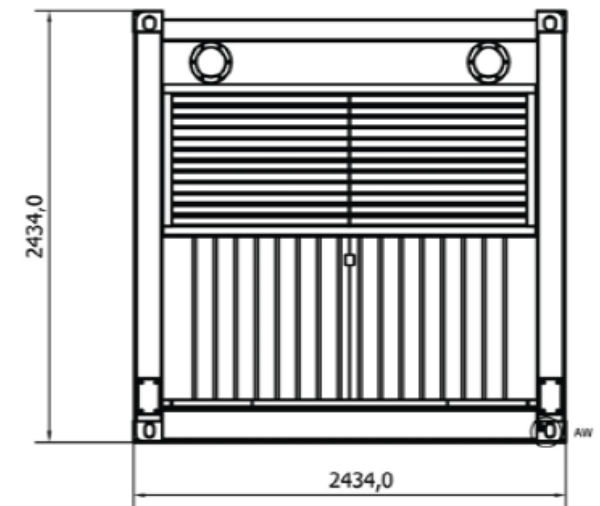
Vista Laterale DX



Vista Anteriore



Vista Posteriore



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