

DESIGN SPECIFICATIONS

- High quality, reliable, long life and complete Genset unit.
- Suit all purpose and demands.
- Full engineered with a broad range of options:
 - Electrical.
 - Mechanical.
 - Soundproof canopy.
 - Road trailer.



STANDARD SPECIFICATION

ENGINE

- Perkins Diesel Engine.
- Four stroke, direct injection.
- Turbocharged air-to-air.
- Water Cooling system.
- Radiator with a puller fan.
- Oil and fuel filters.
- Electronic governing
- Heavy duty air cleaner.
- Mounted air filter and turbocharger.
- 12 Volt electric starting.
- Battery charging alternator.
- Industrial type exhaust silencer.

ALTERNATOR

- Single bearing, Rotating Field alternator.
- Brushless, self excited and regulated type.
- Solid state AVR with +/-1% voltage regulation as standard.
- Class "H" Insulation.
- IP21 protection class.

CONTROL SYSTEM

Standard features of Control Panel is equipped as follows:

instruments:

- Voltmeters.
- Ammeter.
- Frequency meter.
- Tachometer with built in hour meter.
- Oil pressure gauge.
- Engine temperature gauge.
- Battery Charging lamp.
- MCCB.

Alarm indicator leds for The panel automatically stops the Genset in case of any abnormal running operation occurred, such as:

- High engine temperature.
- Low oil pressure.
- Over speed.
- Fault alarm

Bravo Generating Sets Ratings

Bravo gensets are rated in accordance with ISO 8528-1 standard conditions. Each genset complies with BS5514, ISO 3046 standard testing conditions for diesel engines and BS EN60034, BS 5000, VDE 0530, NEMA1 MG1-22, IEC 34, CSAC 22.2-100, AS1359 Alternators international standards.

Optional Equipment's:

- ✓ Manual or automatic transfer switch-parallel operation.
- ✓ Remote communication.
- ✓ Stationary, containerized or mobile construction.
- ✓ Enclosures "weatherproof and soundproof".



SELECTION TABLE

| GENERATING SETS MODEL | ENGINE MODEL | ELECTRICAL OUTPUT | | | |
|-----------------------|--------------------|-------------------|-----------|-----------|-----------|
| | | 50 Hz, 1500 RPM | | | |
| | | PRIME | | STANDBY | |
| | | KW | KVA | KW | KVA |
| PRM59 | 1103A-33TG1 | 36 | 45 | 40 | 50 |

Prime Power ratings are applicable for supplying electric power with 10% overload capability available for 1h/12h.

Standby Power ratings are applicable for supplying electric power in the event of power failure with no overload capability available for these ratings

| ALTERNATOR | |
|--------------------|-----------------|
| No of Poles | 4 |
| Voltage | 380 – 220 – 110 |
| No of Phases | 3 |
| Rated power factor | 0.8 |
| Voltage Regulation | + / - 1.0% |

| Fuel Consumption | |
|---|------------|
| Fuel Consumption for prime power | 10.7 L/hr. |
| Daily Fuel Tank capacity for the Canopy | 251 L |
| Daily Fuel Tank capacity for the Open | 152 L |

| Overall Dimensions and Approximate Weight | | | | | |
|---|--------------------|-----------------|------|------|---------------|
| Type | Engine Model | Dimensions (mm) | | | Genset Weight |
| | | L | W | H | Kg |
| Open | 1103A-33TG1 | 1800 | 700 | 951 | 850 |
| Sound Proof | 1103A-33TG1 | 2200 | 1000 | 1150 | 1200 |