

## 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.
- 24 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
<b>PRM438</b>	<b>2206A-E13TAG2</b>	<b>280</b>	<b>350</b>	<b>320</b>	<b>400</b>

**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	71 L/hr.
Daily Fuel Tank capacity for the Canopy	665 L
Daily Fuel Tank capacity for the Open	396 L

Overall Dimensions and Approximate Weight					
Type	Engine Model	Dimensions (mm)			Genset Weight
		L	W	H	Kg
Open	<b>2206A-E13TAG2</b>	3600	1200	1725	3200
Sound Proof	<b>2206A-E13TAG2</b>	4800	1820	2250	4000