



## **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 fun.
- 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.

<u>Alarm indicator leds for</u> 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**

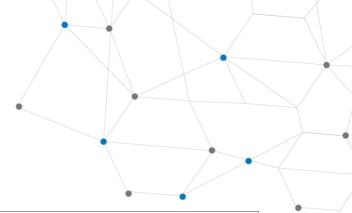
Bravo gensets are rated in accordance with ISO 8528-1 standard conditions. Each genset complies with BS5514,ISO 3046 standard testing conditions for diesel engines and BS EN60034, BS 5000,VDE 0530,NEMA1 MG1-22, IEC 34,CSAC 22.2-100,AS1359 Alternators international standards.

# **Optional Equipment's:**

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

Tel/Fax: +966 9000 8138 Email: <u>sales@alfaddaghi.com</u> Website: www.alfaddaghi.com P.O. Box 26162, Riyadh 11486,Saudi Arabia





SELECTION TABLE							
GENERATING SETS MODEL	ENGINE MODEL	ELECTRICAL OUTPUT					
		50 Hz, 1500 RPM					
		PRIME		STANDBY			
		KW	KVA	KW	KVA		
PRM100	1104C-44TAG1	64	80	71	89		

**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	18.6 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							
Туре	Engine Model	Dimensions (mm)			Genset Weight		
		L	W	Н	Kg		
Open	1104C-44TAG1	2100	800	966	1020		
Sound Proof	1104C-44TAG1	2800	1100	1200	1400		

Tel/Fax: +966 9000 8138 Email: <u>sales@alfaddaghi.com</u> Website: <u>www.alfaddaghi.com</u>