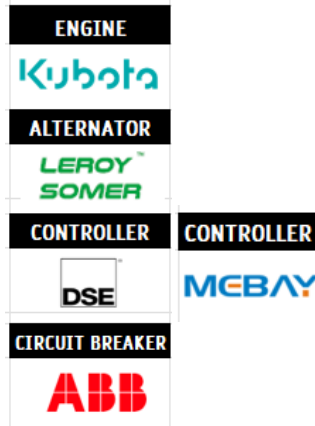


STANDARD SPECIFICATIONS

- 1. ENGINE**
Kubota four(4) stroke heavy duty high performance industrial type diesel engine.
- 2. ENGINE FILTRATION SYSTEM**
 - Air filter
 - Fuel filter
 - Full flow lube oil filter
- 3. COOLING RADIATOR**
Radiator and cooling fan, complete with safety guards.
- 4. CIRCUIT BREAKER TYPE**
- ABB 3 pole MCB.
- 6. FUEL SYSTEM**
The base-frame design is integrated with a fuel tank with a capacity of approx. 8 hours running at Full Load.
- 7. COUPLING**
The Engine and Alternator are directly coupled.
- 8. ANTI-VIBRATION MOUNTING PADS**
Anti-Vibration pads are fasten between the Engine / Alternator feet and the Base-frame.



GENSET TYPE (TMP013)

OUTPUT RATINGS	Ratings at 80% Power Factor	
230 V/ 415 V 3 ph. 50 Hz, 1500 rpm	Prime	Standby
	14.4 KVA	16 KVA
	11.5 kW	12.8 kW

Prime Power: These ratings apply to producing continuous electrical power (at varying load) instead of commercially received electricity. 10% overload power is provided for one(1) hour every 12 hours of continuous operation.

Standby Power: These ratings apply to providing continuous electrical power (at variable load) in the case of a utility power outage. Overload is not allowed on these ratings.

Control Panel Details (Standard)

Make / Model	DSE / DSE6110
Make / Model (Optional)	MEBAY / DC30

- DSE6110** Metering and Alarm indications not limited to:
- Generator frequency
 - Generator current
 - Engine coolant temperature
 - Battery volts
 - Emergency stop
 - Low DC voltage
 - Under-speed, Overspeed
 - Engine oil pressure
 - Fuel level
 - Fail to start/stop
 - Charge fail

- MEBAY DC30** Metering and Alarm indications not limited to:
- Generator frequency
 - Generator current
 - Engine coolant temperature
 - Battery volts
 - Emergency stop
 - Low DC voltage
 - Under-speed, Overspeed
 - Engine oil pressure
 - Fuel level
 - Fail to start/stop
 - Charge fail

ENGINE TECHNICAL DATA

Make & Model	KUBOTA D1703-E2-BG
Cylinders & Arrangement	3 Vertical in-line
Bore & Stroke (mm)	78 x 92.4
Induction system	Naturally aspirated
Combustion	Indirect injection
Cycle	4 stroke
Compression ratio	22.6
Cooling System	Water cooled
Displacement	1.647 liters
Lube oil capacity	5.6 liters Max
Coolant capacity	5.5 liters
Standard governor (Optional)	Mechanical
Engine Speed	1500 rpm
Fuel Consumption (L/H) @ 100% Load	3.51
@ 75% Load	2.64
@ 50% Load	1.76
@ 25% Load	0.88
Radiator Cooling Air Flow (m3/s)	0.49
Emissions regulations	EPA/CARB Tier 2
Exhaust temperature °C (max)	500
Max exhaust gas flow (m³/min)	3.29
Max. allowed back pressure (kPa)	7.1

ALTERNATOR

Make	Model	No. of bearings	Insulation class	Total Harmonic Content	Ingress Protection	Excitation System	Winding Pitch	AVR Model	Overspeed	Voltage Regulation (steady)
Leroy Somer	TAL 040F	1	H	At no load <3.5% On-Load <5%	IP23	SHUNT	2/3	R120	2250 RPM	± 1%

DIMENSIONS AND WEIGHT (OPEN TYPE)

Length cm	Width cm	Height cm	Weight kg	Fuel Tank (liters)
150	61	111	370	51



STANDARD SPECIFICATIONS

6. FUEL SYSTEM

The base-frame design is integrated with a fuel tank with a capacity of approx. 8 hours running at Full Load.

8.2 COUPLING

The Engine and Alternator are directly coupled.
The Engine flywheel is flexibly connected to the alternator rotor.

8.3 ANTI-VIBRATION MOUNTING PADS

Anti-Vibration pads are fasten between the Engine / Alternator feet and the Base-frame.

8.4 SAFETY GUARDS

The Fan and Fan Drive, as well as the Battery Charging Alternator, are Safety Guard protected for the safety of the personnel.

9. FACTORY TESTS

- Before delivery, the generating set is load tested.
- Site load conditions and all protective device control functions are simulated.
- Before delivery, the generator and its systems are checked.

10. EQUIPMENT FINISHING

To provide the highest level of durability and scuff resistance, all mild steel components are completely degreased and coated.

11. DOCUMENTATIONS

- Operation & Maintenance manual,
- Circuit wiring diagrams and,
- Commissioning accompanied with the Generator.

13. WARRANTY

All of the Generating Sets are covered under a warranty policy for a period of 12 months or One Thousand Hours Run Time (1000hrs.). Warranty of the equipment is in line with manufacturers warranty terms & conditions.



TMS015 65 dBA @ 1 Meter



TMS015 75 dBA @ 3 Meters

SOUND REDUCTION LEVEL:

- Tow(2) options are available:
 1. 65 dBA @ 1 meter
 2. 75 dBA @ 3 meters

TRANSPORTABILITY AND MOVEABILITY:

- Multiple points lifting facility
- Dragging points at base-frame

GENERAL SPECIFICATIONS

- Unique appearance with high sound absorbing and thermal properties.
- Vertically hinged allow 180° opening rotation and retention with door stays.
- Lockable access doors which give full access to control panel and breaker.
- High quality locks and hinges.
- Internal emergency stop is standard with optional external emergency stop.
- Full weather proof enclosure and suitable operations in harsh conditions.
- Manufactured from galvanized metal sheet for doors & louvers.

DIMENSIONS AND WEIGHT (Closed Type 65 dBA @ 1 meter)

Length cm	Width cm	Height cm	Weight kg (with oil and coolant)	Fuel Tank liters
230	90	155	920	40

DIMENSIONS AND WEIGHT (Closed Type 75 dBA @ 3 meters)

Length cm	Width cm	Height cm	Weight kg (with oil and coolant)	Fuel Tank liters
200	80	115	658	85

AVAILABLE OPTIONS & ACCESSORIES

We offer a variety of additional features, accessories, and other technical specifications to customize our generating sets to match our customers' power requirements.

OPTIONS ACCESSORIES NOT LIMITED TO:

- A variety of GenSet control and synchronizing panels
- Additional protection alarms and shutdowns
- Water fuel separator
- Water jacket heater
- Battery charger
- Genuine spare parts
- Load banks
- Auxiliary fuel tanks
- Manual & automatic transfer switches

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