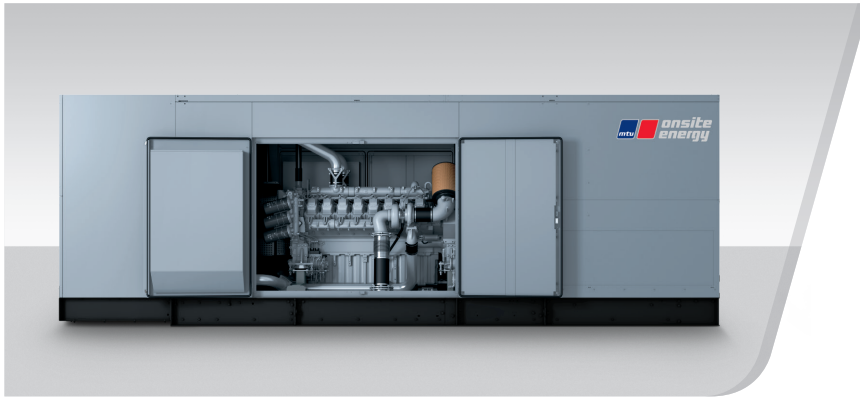


SOUND PROOF ENCLOSURE

MTU 16V2000 DS: 800 - 1,250 kVA



Optional equipment and finishing shown. Standard may vary.

PRODUCT HIGHLIGHTS

// Benefits

- Plug & play, ready-to-use unit
- Wide standard scope of supply
- Shipping optimized
- Modular design - wide range of options
- Serviceability access - double door access gives ease of serviceability to all components

// MTU Onsite Energy is a single-source supplier

// Global product support

// Performance Assurance Certification (PAC)

- Engine-generator set tested to ISO 8528-5 for transient response
- Verified product design, quality and performance integrity
- Prototype and factory tested

// Certifications

- CE certification option
- German WHG option

APPLICATION DATA^①

// Engine

	MTU 16V2000 DS1000	MTU 16V2000 DS1100	MTU 16V2000 DS1250
Manufacturer	MTU	MTU	MTU
Model	16V2000	16V2000	16V2000

// Ratings^②

Standby Power: kVA	–	1,090	1,230
Standby Power with Overload: kVA	900	1,000	1,110
Data Center Continuous Power: kVA	–	1,000	–
Mission Critical Power: kVA	–	1,000	–
Prime Power: kVA	900	1,000	1,110
Grid Stability Power: kVA	–	1,000	–
Continuous Power: kVA	–	–	790

// Sound Data

Sound Pressure @1m: dB(A)	≤ 92	≤ 92	92
Sound Pressure @7m: dB(A)	≤ 83	≤ 83	83

// Cooling System

Radiator design temperature: °C	50	50	50
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// Generator

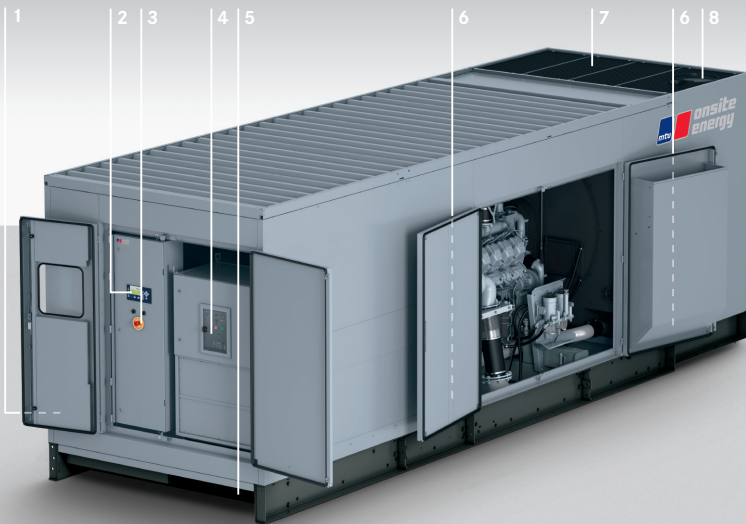
Manufacturer	Marathon	Marathon	Marathon
Insulation Class	H	H	H
Voltage regulation	± 0.25%	± 0.25%	± 0.25%

For further technical data please refer to the MTU Diesel Generator set data sheet.

① All data refers only to the engine and is based on ISO standard conditions (25°C and 100m above sea level).

② Rated power refers to ISO standard conditions, 25°C ambient temperature and 100m above sea level – 400V.
Full rated power available up to 27°C ambient temperature and 300m above sea level.

APPLICATION DATA^①



Description of individual components

- 1 Fuel filling
- 2 Control system
- 3 Emergency stop
- 4 Circuit Breaker
- 5 Access for load cables
- 6 2 air inlets on both enclosure sides
- 7 Air outlet
- 8 Exhaust outlet

STANDARD AND OPTIONAL FEATURES

// Radiator

- Mechanical driven fan
(50°C ambient temperature)

// Batterys

- Starterbattery (ready for operation)

// Coolant preheating

- 2kW/230V incl. thermostat
- 6kW/400V incl. thermostat

// Control Panel

- Island operation (V2 - V6)
with Deif mounted on front side

STANDARD AND OPTIONAL FEATURES

// Circuit Breaker

- Circuit breaker mounted on front side

// Exhaust System

- Exhaust silencer
- Exhaust outlet via roof and flap

// Enclosure

- Sound insulated canopy
- Lifting eyes at base frame
- Base frame with integrated fuel tank
- Air outlet via enclosure roof
- Air inlet via alternator side
- Control & Load distribution pane at front side
- Forklift pockets
- WHG option
- Welded bund

// Access Door

- Double wings doors at each side

// Paintwork

- Canopy RAL7001 (silver grey)
- Base frame painted black

// Fuel Tank

- 900L single walled fuel tank
- Single water separator
- Double water separator

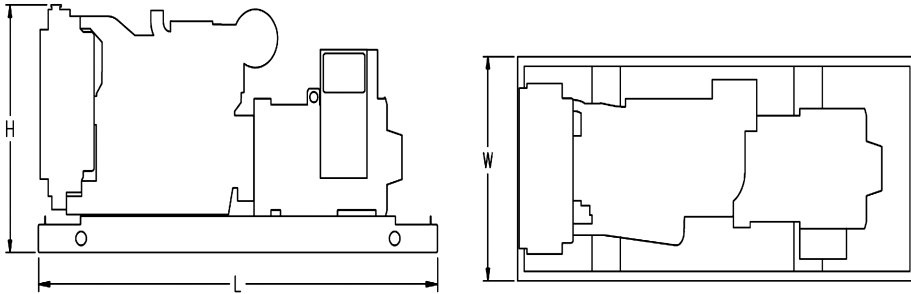
// Automatic Tank Refilling

- Control of external fuel transfer pump via dry contacts
- Incl. design approved overfill protection (electrical level sensor)

// Leakage Sensor

- Leakage sensor mounted at container bund

WEIGHTS AND DIMENSIONS



Outline drawing above is for reference only. Do not use for installation design. For unit-specific template drawings, please see our website.

MTU Onsite Energy Genset Type	Dimensions				Weight
	Size	Length (mm)	Width (mm)	Height (mm)	kg
MTU 16V 2000 DS1000	Enclosure	7,125	2,220	2,494	approx. 10,500
MTU 16V 2000 DS1100	Enclosure	7,125	2,220	2,494	approx. 10,500
MTU 16V 2000 DS1250	Enclosure	7,125	2,220	2,494	approx. 10,500

EMISSIONS DATA

// Consult your local MTU Onsite Energy distributor for emissions data.

RATING DEFINITIONS AND CONDITIONS

- // Standby Power ratings apply to installations served by a reliable utility source. The standby rating is applicable to varying loads for the duration of a power outage. No overload capability for this rating. Ratings are in accordance with ISO 8528-1, ISO-3046-1, BS 5514 and AS 2789. Average load factor: $\leq 85\%$. Operating hours/year: max. 500.
- // Standby Power with Overload ratings apply to installations served by a reliable utility source. The standby rating is applicable to varying loads for the duration of a power outage. A 10% overload capability is available for one hour in twelve. Ratings are in accordance with ISO 8528-1, ISO-3046-1, BS 5514 and AS 2789. Average load factor: $\leq 85\%$. Operating hours/year: max. 500.
- // Data Center Continuous Power ratings apply to Data Center installations where a reliable utility power is available and comply with Uptime Institute Tier III and IV requirements. At constant or varying load, the number of generator set operating hours is unlimited. A 10% overload capacity is available for one hour in twelve. Ratings are in accordance with ISO 8528-1, ISO 3046-1, BS 5514 and AS 2789. Average load factor: $\leq 100\%$.
- // Mission Critical Power ratings apply to installations served by a reliable utility source. The rating is applicable to varying loads for the duration of a power outage. A 10% overload capacity is available for one hour in twelve. Ratings are in accordance with ISO 8528-1, ISO-3046-1, BS 5514 and AS 2789. Average Load Factor: $\leq 85\%$. Operating hours/year: max. 1,000.
- // Prime Power ratings apply to installations where utility power is unavailable or unreliable. At varying load, the number of generator set operating hours is unlimited. A 10% overload capacity is available for one hour in twelve. Ratings are in accordance with ISO 8528-1, ISO 3046-1, BS 5514 and AS 2789. Average load factor: $\leq 75\%$. Operating hours/year: unlimited.
- // Grid Stability Power ratings apply to installations serving electric utility programs. At constant or varying load, the number of generator set operating hours is limited to 1,000 hours per year with no more than 500 hours per year at 100% load without interruption. A 10% overload capacity is available for one hour in twelve. Ratings are in accordance with ISO 8528-1, ISO-3046-1, BS 5514 and AS 2789. Average Load Factor: ≤ 100 .
- // Continuous Power ratings apply to installations where the generator set serves as utility. At constant load, the number of generator set operating hours is unlimited. A 10% overload capacity is available for one hour in twelve. Ratings are in accordance with ISO 8528-1, ISO 3046-1, BS 5514 and AS 2789. Average load factor: $\leq 100\%$. Operating hours/year: unlimited.
- // Deration factor:
 Altitude: Consult your local MTU Onsite Energy Power Generation distributor for altitude derations.
 Temperature: Consult your local MTU Onsite Energy Power Generation distributor for temperature derations.

Rated power refers to ISO standard conditions 25°C ambient temperature and 100m above sea level.

C/F = Consult Factory/MTU Onsite Energy Distributor
 Materials and specifications subject to change without notice.