

20' STANDARD CONTAINER

MTU 16V2000 DS: 800 - 1250 KVA

MTU 18V2000 DS: 1250 - 1400 KVA



Optional equipment and finishing shown. Standard may vary.

PRODUCT HIGHLIGHTS

// Benefits

- Standard 20' high cube dimensions
- Plug & play, ready-to-use unit
- Wide standard scope of supply
- Shipping optimized - CSC certified
- 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

// Complete range of accessories available

- Control panel
- Circuit breakers
- Fuel system
- Louvers
- Silencer boxes

// Performance Assurance Certification (PAC)

- Engine-generator set tested to ISO 8528-5 for transient response
- Verified product design, quality and performance integrity
- All container systems are prototype and factory tested

// Certifications

- CE certification option
- CSC certified

APPLICATION DATA^①

// Engine

	MTU 16V2000 DS1000	MTU 16V2000 DS1100	MTU 16V2000 DS1250	MTU 18V2000 DS1400
Manufacturer	MTU	MTU	MTU	MTU
Model	16V2000	16V2000	16V2000	18V2000

// Ratings^②

Rated Power - Prime Power: kVA	910	1000	1135	1250
Rated Power - Continuous Power: kVA	-	-	800	1000
Rated Power - Standby Power: kVA	-	1100	1250	1400

// Sound Data

Without Silencer Box, Sound Pressure @1m: dB(A)	97	97	97	97
Without Silencer Box, Sound Pressure @7m: dB(A)	88	88	88	88
With Silencer Box, Sound Pressure @1m: dB(A)	86	86	86	86
With Silencer Box, Sound Pressure @7m: dB(A)	77	77	77	77
With Silencer Box and additional exhaust silencer, Sound Pressure @1m: dB(A)	80	80	80	80
With Silencer Box and additional exhaust silencer, Sound Pressure @7m: dB(A)	71	71	71	71

// Cooling System

Radiator design temperature: °C	50
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// Generator

Manufacturer	Marathon
Insulation Class	H
Voltage regulation	± 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.
Full rated power available up to 45°C ambient temperature and 500m above sea level.



Description of individual components

- 1 Air inlet
- 2 Access for load cables (also possible from below)
- 3 Fuel filling & connection of external tank
- 4 Control system
- 5 Exhaust outlet
- 6 Forklift pockets
- 7 Inspection opening for cooling water
- 8 Emergency stop
- 9 Air outlet
- 10 Fuel filling for internal tank
- 11 Circuit breaker

STANDARD AND OPTIONAL FEATURES

// Radiator

- Mechanical driven fan (50°C ambient temperature)

// Batterys

- Starterbattery (ready for operation)

// Control Panel

- Island operation (V2 - V6)

// Circuit Breaker

- Circuit breaker mounted on OPU frame

// Exhaust System

- Exhaust silencer
- Exhaust outlet via container roof and flap

STANDARD AND OPTIONAL FEATURES

// Container

- 20' high cube container
- Welded bund
- CSC certificate
- Air outlet via engine/radiator side
- Air inlet via alternator side
- Weather protection grids at air in and outlet

// Access Door

- Double wings doors at each side
- Door handles with panic function

// Lighting System

- 2x 58W fluorescent lamp
- Lighting switch at every access door

// Auxiliary Drives Cabinet

- Lighting system
- Power supply for all electrical equipment

// Fuel System

- External fuel supply (connection interface)

// Paintwork

- Container RAL7035 (light grey)
- Container floor RAL7043 (traffic grey)

// Louverflaps

- Electrically driven louvers

// Sound absorption

- Silencer box for air in and outlet

// Fuel Tank

- 500L single walled fuel tank
- Refilling at container front via pump nozzle

STANDARD AND OPTIONAL FEATURES

// 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

// Electrical Radiator

- Incl. thermostat
- 230V/2kW

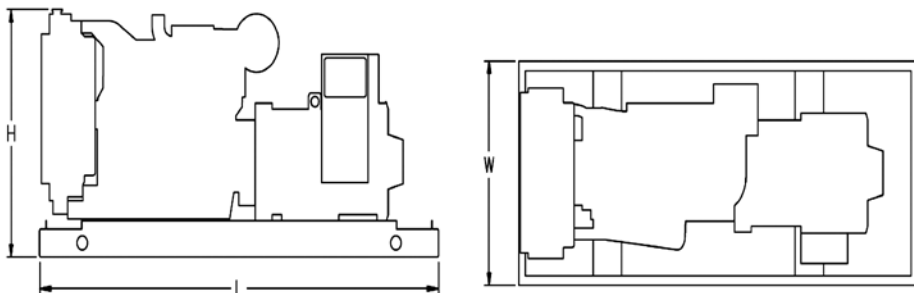
// Fire Extinguisher

- Fire extinguisher 6kg

// Battery Hand Lamp

- Emergency function at supply voltage black out

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 kg	
	Size	Length (mm) ¹⁾	Width (mm)		Height (mm)
MTU 16V 2000 DS1000	20ft HC	6058	2438	2896	13800
MTU 16V 2000 DS1100	20ft HC	6058	2438	2896	13800
MTU 16V 2000 DS1250	20ft HC	6058	2438	2896	13800
MTU 18V 2000 DS1400	20ft HC	6058	2438	2896	14500

1) additional 500 mm for rain protection, 2x 1750 for silencer box

EMISSIONS DATA

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

RATING DEFINITIONS AND CONDITIONS

- // 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.
- // Standby 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.
- // 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 is available up to 40°C and 400m above sea level.

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