

Diesel Generator Set

mtu 18V2000 DS1400

380V - 415V/50 Hz/continuous power/fuel consumption optimized/ 18V2000B26F





Optional equipment and finishing shown. Standard may vary.

Product highlights

Benefits

- Low fuel consumption
- Optimized system integration ability
- High reliability and availability of power
- Long maintenance intervals
- Optimized ratio between size and power
- Wide operating range without derating

Support

- Global product support offered

Standards

- Engine-generator set is designed and manufactured in facilities certified to standards ISO 2008:9001 and ISO 2004:14001
- $-\,$ Generator set complies to G3 according to ISO 8528
- Generator meets NEMA MG1, BS5000, ISO, DIN EN and IEC standards
- NFPA 110

Power rating

- System rating: 1010 kVA
- Accepts rated load in one step per NFPA 110
- $-\,$ Generator set complies to G3 according to ISO 8528-5
- Generator set exceeds load steps according to ISO 8528-5

Performance assurance certification (PAC)

- Engine-generator set tested to ISO 8528-5 for transient response
- 100% load factor for continuous power applications
- Verified product design, quality and performance integrity
- All engine systems are prototype and factory tested

Complete range of accessories available

- Control panel
- Power panel
- Fuel system
- Fuel connections with shut-off valve mounted to base frame
- Starting/charging system
- Exhaust system
- Mechanical radiator
- Water Charge-Air-Cooler
- Oversized voltage alternators

Cooling System

- Air-to-Air Charge-Air Cooling (TD)
- Water-to-Air Charge-Air Cooling (TB)

Emissions

- Fuel consumption optimized

Certifications

- CE certification option
- Unit certificate acc. to VDE-AR-N 4110



Application data¹⁾

Engine Amutacturer Amu (combustion air requirements) Image (combustion air volume: m³/s) 1.06 Model 18V2000B26F (combustion air volume: m³/s) 1.06 Type 4-cycle 4-cycle Arrangement 18V Cooling/radiator system TD Displacement: I 40.2 Coolant flow rate (LT circuit: m³/hr 46.3 Bore: mm 156 Heat radiated to charge air cooling (TB): km²/hr 17.5 Stroke: mm 156 Heat radiated to charge air cooling (TB): km²/hr 17.5 Stroke: mm 156 Heat radiated to charge air cooling (TB): km²/hr 17.5 Attacted speed: rpm 150 Max pressure customer radiator (TB): bar (rel.) 1.4 Rated speed: rpm 156 Heat dissipated by engine coolant: kW 375 Speed regulation ± 0.25% Heat dissipated by engine coolant: kW 375 Speed regulation ± 0.25% Heat radiated to ambient: kW 46 Max power: kWm 46° Air flow required for mech. radiator (50°C) cooled unit: m³/min 1462 Air cleaner dry Air flow re		Fuel consump	otion optimized	Fuel consumptio	n optimized
Model 18V2000B26F Max. air intake restriction: mbar 4 Type 4-cycle 4-cycle Arrangement 18V Cooling/radiator system TD Displacement: I 40.2 Coolant flow rate (HT circuit): m³/hr 46.3 Bore: mm 135 Coolant flow rate (LT circuit): m³/hr 46.3 Stroke: mm 156 Heat radiated to charge air cooling (TB): km² (TB): bar (rel.) 17.5 Stroke: mm 150 Max. pressure customer radiator (TB): bar (rel.) 14 Rated speed: rpm 1500 Max. pressure customer radiator (TB): bar (rel.) 14 Rated speed: rpm 40EC (ECU 9) Heat radiated to ambient: kW 375 Speed regulation ± 0.25% 4 fr flow required for mech. radiator 462 Max powers: kWm 4 fr flow required for mech. radiator 462 Air cleaner dy Air flow required for mech. radiator 177 Fuel system 5 Radiator coolant capacity (without cooling equipment): 1 176 Fuel system 5 Radiator coolant capacity (so°0: 1 106 At 100% of power ratin	Engine			Combustion air requirements	
Type 4-cycle Arrangement 18V Cooling/radiator system TD Displacement: I 40.2 Coolant flow rate (HT circuit): m³/hr 46.3 Bore: mm 135 Coolant flow rate (HT circuit): m³/hr 17.5 Stroke: mm 156 Heat radiated to charge air cooling (TB): kW 125 Compression ratio 17.5 Input pressure customer radiator (TB): bar (rel.) 14 Rated speed: rpm 1500 Max. pressure loss customer radiator (TB): bar 0.7 Engine governor ADEC (ECU 9) Heat dissipated by engine coolant: kW 375 Speed regulation ± 0.25% Heat radiated to ambient: kW 45 Max power: kWm 887 Air flow required for mech. radiator 46 Mean effective pressure: bar 17.7 (40°C) cooled unit: m³/min 146 Air cleaner 60°C) cooled unit: m³/min 1776 Fuel system 5 Radiator coolant capacity (40°C): I 83 Maximum fluel lift: m 5 Radiator coolant capacity (40°C): I 83 Total cluel flow: l/min 10 Max. coolan	Manufacturer		mtu	Combustion air volume: m³/s	1.06
Arrangement 18V Cooling/radiator system TD Displacement: I 40.2 Coolant flow rate (HT circuit): m³/hr 46.3 Bore: mm 135 Coolant flow rate (HT circuit): m³/hr 17.5 Stroke: mm 156 Heat radiated to charge air cooling (TB): kW 125 Compression ratio 17.5 Input pressure customer radiator (TB): bar (rel.) 1.4 Rated speed: rpm 1500 Max. pressure loss customer radiator (TB): bar (rel.) 0.7 Engine governor ADEC (ECU 9) Heat dissipated by engine coolant: kW 375 Speed regulation ± 0.25% Heat radiated to ambient: kW 45 Max power: kWm 887 Air flow required for mech. radiator 462 Air cleaner dy (40°C) cooled unit: m³/min 1462 Air flow required for mech. radiator 75 Maximum fuel lift: m 5 Radiator coolant capacity (without cooling equipment): I 73 Maximum fuel lift: m 5 Radiator coolant capacity (without cooling equipment): I 73 Maximum fuel lift: m 6 Radiator coolant capacity (b°C): I 83 <tr< td=""><td>Model</td><td></td><td>18V2000B26F</td><td>Max. air intake restriction: mbar</td><td>40</td></tr<>	Model		18V2000B26F	Max. air intake restriction: mbar	40
Displacement:	Type		4-cycle		
Bone: mm	Arrangement		18V	Cooling/radiator system TD	
Stroke: mm 156 Heat radiated to charge air cooling (TB): kW 125 Compression ratio 17.5 Input pressure customer radiator (TB): bar (rel.) 1.4 Rated speed: rpm 1500 Max. pressure loss customer radiator (TB): bar 0.7 Engine governor ADEC (ECU 9) Heat dissipated by engine coolant: kW 375 Speed regulation ± 0.25% Heat radiated to ambient: kW 4 Max power: kWm 887 Air flow required for mech. radiator 1462 Mean effective pressure: bar 17.7 (40°C) cooled unit: m³/min 1462 Air cleaner dry Air flow required for mech. radiator (50°C) cooled unit: m³/min 177 Fuel system Engine coolant capacity (without cooling equipment): 1 73 Maximum fuel lift: m 5 Radiator coolant capacity (without cooling equipment): 1 73 Total fuel flow: l/min 30 Radiator coolant capacity (wo°C): 1 106 Max. coolant temperature (warning): °C 102 Fuel consumption ² l/hr g/km Max. coolant temperature (shutdown): °C 105 At 75% of power rating: <	Displacement: l		40.2	Coolant flow rate (HT circuit): m³/hr	46.3
Compression ratio 17.5 Input pressure customer radiator (TB): bar (rel.) 1.4 Rated speed: rpm 1500 Max. pressure loss customer radiator (TB): bar 0.7 Engine governor ADEC (ECU 9) Heat dissipated by engine coolant: kW 375 Speed regulation ± 0.25% Heat radiated to ambient: kW 45 Max power: kWm 887 Air flow required for mech. radiator 1462 Mean effective pressure: bar 17.7 (40°C) cooled unit: m³/min 1462 Air flow required for mech. radiator (50°C) cooled unit: m³/min 1776 Fuel system Engine coolant capacity (without cooling equipment): 1 73 Maximum fuel lift: m 5 Radiator coolant capacity (40°C): 1 83 Total fuel flow: l/min 30 Radiator coolant capacity (50°C): 1 106 Max. coolant temperature (warning): °C 105 At 100% of power rating: 15 194 Exhaust system At 5% of power rating: 15 194 Exhaust system At 50% of power rating: 11 207 Exhaust gas temp. (after turbocharger): °C 510	Bore: mm		135	Coolant flow rate (LT circuit for TB): m³/hr	17.5
Rated speed: rpm 1500 Max. pressure loss customer radiator (TB): bar 0.7 Engine governor ADEC (ECU 9) Heat dissipated by engine coolant: kW 375 Speed regulation ± 0.25% Heat radiated to ambient: kW 45 Max power: kWm 887 Air flow required for mech. radiator 140°C) cooled unit: m³/min 1462 Mean effective pressure: bar 17.7 (40°C) cooled unit: m³/min 1462 Air cleaner dir flow required for mech. radiator 1776 Fuel system Engine coolant capacity (without cooling equipment): 1 73 Maximum fuel lift: m 5 Radiator coolant capacity (40°C): 1 83 Total fuel flow: l/min 30 Radiator coolant capacity (50°C): 1 106 Max. coolant temperature (warning): °C 105 Fuel consumption ²⁰ l/hr g/kwh Max. coolant temperature (shutdown): °C 105 At 100% of power rating: 203 190 Exhaust system At 55% of power rating: 155 194 Exhaust gas volume: m³/s 2.86 Lube oil system capacity: l 110 Maximu	Stroke: mm		156	Heat radiated to charge air cooling (TB): kW	125
Engine governor ADEC (ECU 9) Heat dissipated by engine coolant: kW 45 Speed regulation ± 0.25% Heat radiated to ambient: kW 45 Max power: kWm 887 Air flow required for mech. radiator Mean effective pressure: bar 17.7 (40°C) cooled unit: m³/min 1462 Air cleaner dry Air flow required for mech. radiator Fuel system Figure 5 Radiator coolant capacity (without cooling equipment): l 73 Maximum fuel lift: m 5 Radiator coolant capacity (40°C): l 83 Total fuel flow: l/min 30 Radiator coolant capacity (50°C): l 106 Fuel consumption 2) l/hr g/kwh Max. coolant temperature (warning): °C 102 Fuel consumption 2) l/hr g/kwh Max. coolant temperature (shutdown): °C 105 At 100% of power rating: 203 190 At 75% of power rating: 155 194 Exhaust system At 50% of power rating: 111 207 Exhaust gas temp. (after turbocharger): °C 510 Exhaust gas volume: m³/s 2.86 Lube oil system capacity: l 110 Minimum allowable back pressure: mbar 50 Max. lube oil temperature (shutdown): °C 103 Max. lube oil temperature (shutdown): °C 105 Generator	Compression ratio		17.5	Input pressure customer radiator (TB): bar (rel.)	1.4
Speed regulation \$\frac{\pmath{\pman}\pha}\pmath{\pmath{\pmath{\pmath{\pmath{\pmath{\pmath{\pm	Rated speed: rpm		1500	Max. pressure loss customer radiator (TB): bar	0.7
Max power: kWm887Air flow required for mech. radiatorMean effective pressure: bar17.7(40°C) cooled unit: m³/min1462Air cleanerdry (50°C) cooled unit: m³/min1776Fuel systemEngine coolant capacity (without cooling equipment): I73Maximum fuel lift: m5Radiator coolant capacity (40°C): I83Total fuel flow: I/min30Radiator coolant capacity (50°C): I106Fuel consumption²I/hrg/kwhMax. coolant temperature (warning): °C102Fuel consumption²I/hrg/kwhMax. coolant temperature (shutdown): °C105At 100% of power rating:203190At 75% of power rating:155194Exhaust systemAt 50% of power rating:155194Exhaust systemAt 50% of power rating:110Exhaust gas temp. (after turbocharger): °C510Exhaust gas volume: m³/s2.86Lube oil systemMaximum allowable back pressure: mbar50Total oil system capacity: I110Minimum allowable back pressure: mbar30Max. lube oil temperature (alarm): °C103Generator	Engine governor		ADEC (ECU 9)	Heat dissipated by engine coolant: kW	375
Mean effective pressure: bar Air cleaner dry Air flow required for mech. radiator (50°C) cooled unit: m³/min 1776 Fuel system Engine coolant capacity (without cooling equipment): l 73 Maximum fuel lift: m 5 Radiator coolant capacity (40°C): l 83 Total fuel flow: l/min 30 Radiator coolant capacity (50°C): l 106 Max. coolant temperature (warning): °C 102 Fuel consumption ²) I/hr g/kwh Max. coolant temperature (shutdown): °C 105 At 100% of power rating: 203 190 At 75% of power rating: 155 194 Exhaust system At 50% of power rating: 111 207 Exhaust gas temp. (after turbocharger): °C 510 Exhaust gas volume: m³/s Lube oil system Total oil system capacity: l 110 Minimum allowable back pressure: mbar 30 Generator	Speed regulation		± 0.25%	Heat radiated to ambient: kW	45
Air cleaner dry (50°C) cooled unit: m³/min 1776 Fuel system Engine coolant capacity (without cooling equipment): 1 73 Maximum fuel lift: m 5 Radiator coolant capacity (40°C): 1 83 Total fuel flow: l/min 30 Radiator coolant capacity (50°C): 1 106 Max. coolant temperature (warning): °C 102 Fuel consumption 2 I/hr g/kwh Max. coolant temperature (shutdown): °C 102 Fuel consumption 2 1/hr g/kwh Max. coolant temperature (shutdown): °C 102 At 100% of power rating: 203 190 At 75% of power rating: 155 194 Exhaust system At 50% of power rating: 111 207 Exhaust gas temp. (after turbocharger): °C 510 Exhaust gas volume: m³/s 2.86 Lube oil system Total oil system capacity: 1 110 Minimum allowable back pressure: mbar 30 Max. lube oil temperature (shutdown): °C 103 Max. lube oil temperature (shutdown): °C 105 Generator	Max power: kWm		887	Air flow required for mech. radiator	
Fuel system Fuel system Maximum fuel lift: m Total fuel flow: I/min Fuel consumption 2) At 100% of power rating: At 50% of power rating: At	Mean effective pressure: bar		17.7	(40°C) cooled unit: m³/min	1462
Fuel system Maximum fuel lift: m Total fuel flow: I/min Total fuel flow: I/min Building flow: I/min Total fuel flow: I/min Max. coolant temperature (shutdown): °C Total fuel flow: I/min Max.	Air cleaner		dry	Air flow required for mech. radiator	
Maximum fuel lift: m Total fuel flow: I/min Badiator coolant capacity (40°C): I Radiator coolant capacity (50°C): I Max. coolant temperature (warning): °C Max. coolant temperature (warning): °C 102 Fuel consumption 2				(50°C) cooled unit: m³/min	1776
Total fuel flow: I/min 30 Radiator coolant capacity (50°C): I Max. coolant temperature (warning): °C 102 Fuel consumption 2 I/hr g/kwh Max. coolant temperature (shutdown): °C 105 At 100% of power rating: 203 190 At 75% of power rating: 155 194 Exhaust system At 50% of power rating: 111 207 Exhaust gas temp. (after turbocharger): °C Exhaust gas volume: m³/s 2.86 Lube oil system Total oil system capacity: I Max. lube oil temperature (alarm): °C Max. lube oil temperature (shutdown): °C 105 Generator	Fuel system			Engine coolant capacity (without cooling equipment): l	73
Max. coolant temperature (warning): °C 102 Fuel consumption 2	Maximum fuel lift: m		5	Radiator coolant capacity (40°C): l	83
Fuel consumption 2)I/hrg/kwhMax. coolant temperature (shutdown): °C105At 100% of power rating:203190At 75% of power rating:155194Exhaust systemAt 50% of power rating:111207Exhaust gas temp. (after turbocharger): °C510Exhaust gas volume: m³/s2.86Lube oil systemMaximum allowable back pressure: mbar50Total oil system capacity: l110Minimum allowable back pressure: mbar30Max. lube oil temperature (alarm): °C103Generator	Total fuel flow: I/min		30	Radiator coolant capacity (50°C): l	106
At 100% of power rating: At 75% of power rating: At 50% of power rating: 155 194 Exhaust system At 50% of power rating: 111 207 Exhaust gas temp. (after turbocharger): °C Exhaust gas volume: m³/s 2.86 Lube oil system Total oil system capacity: l Max. lube oil temperature (alarm): °C Max. lube oil temperature (shutdown): °C 105 Generator				Max. coolant temperature (warning): °C	102
At 75% of power rating: 155 194 Exhaust system At 50% of power rating: 111 207 Exhaust gas temp. (after turbocharger): °C 510 Exhaust gas volume: m³/s 2.86 Lube oil system Total oil system capacity: l 110 Minimum allowable back pressure: mbar 30 Max. lube oil temperature (alarm): °C 103 Max. lube oil temperature (shutdown): °C 105 Generator	Fuel consumption 2)	l/hr	g/kwh	Max. coolant temperature (shutdown): °C	105
At 50% of power rating: 111 207 Exhaust gas temp. (after turbocharger): °C Exhaust gas volume: m³/s 2.86 Lube oil system Maximum allowable back pressure: mbar 50 Minimum allowable back pressure: mbar 30 Max. lube oil temperature (alarm): °C Max. lube oil temperature (shutdown): °C 105 Generator	At 100% of power rating:	203	190		
Exhaust gas volume: m³/s 2.86 Lube oil system Maximum allowable back pressure: mbar 50 Total oil system capacity: l 110 Minimum allowable back pressure: mbar 30 Max. lube oil temperature (alarm): °C 103 Max. lube oil temperature (shutdown): °C 105 Generator	At 75% of power rating:	155	194	Exhaust system	
Lube oil systemMaximum allowable back pressure: mbar50Total oil system capacity: l110Minimum allowable back pressure: mbar30Max. lube oil temperature (alarm): °C103Max. lube oil temperature (shutdown): °C105Generator	At 50% of power rating:	111	207	Exhaust gas temp. (after turbocharger): °C	510
Total oil system capacity: l 110 Minimum allowable back pressure: mbar 30 Max. lube oil temperature (alarm): °C 103 Max. lube oil temperature (shutdown): °C 105 Generator				Exhaust gas volume: m³/s	2.86
Max. lube oil temperature (alarm): °C 103 Max. lube oil temperature (shutdown): °C 105 Generator	Lube oil system			Maximum allowable back pressure: mbar	50
Max. lube oil temperature (shutdown): °C 105 Generator	Total oil system capacity: l		110	Minimum allowable back pressure: mbar	30
·	Max. lube oil temperature (alarm): °C		103		
Min Tube oil pressure (alarm): har 4.5 Protection class	Max. lube oil temperature (shutdown): °C	C	105	Generator	
T.0 1 Tote Color Class	Min. lube oil pressure (alarm): bar		4.5	Protection class	IP23
Min. lube oil pressure (shutdown): bar 4 Insulation class	Min. lube oil pressure (shutdown): bar		4	Insulation class	Н
Voltage regulation (steady state) ± 0.25%				Voltage regulation (steady state)	± 0.25%
				Rado interference class	N
				Kado interterence class	N

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

² Values referenced are in accordance with ISO 3046-1. Conversion calculated with fuel density of 0.83 g/ml. All fuel consumption values refer to rated engine power.

Standard and optional features

System ratings (kW/kVA)

Generator model	Voltage	with mechanical radiator (TD) or charge-air-cooler (TB)**		
		kWel	kVA*	AMPS
Leroy Somer SA 50.2 L7	380 V	808	1010	1535
(Low voltage	400 V	808	1010	1458
Leroy Somer standard)	415 V	808	1010	1405
Leroy Somer LSA 50.2 L8	380 V	808	1010	1535
(Low voltage Leroy Somer oversized)	400 V	808	1010	1458
	415 V	808	1010	1405
Marathon 742RSL7185	380 V	808	1010	1535
(Low voltage Marathon standard)	400 V	808	1010	1458
	415 V	808	1010	1405
Marathon 743RSL7187	380 V	808	1010	1535
(Low voltage Marathon oversized)	400 V	808	1010	1458
	415 V	808	1010	1405

^{*} cos phi = 0.8

Electrical outputs may vary depending on generator voltage and ambient conditions. For power outputs consult your *mtu* dealer.

Intake air depression/mbar: 15mbar

Exhaust back pressure/mbar: 30mbar

Engine

- 4-cycle
- Standard single stage air filter
- Oil drain extension & shut-off valve
- Full flow oil filters

- Closed crankcase ventilation
- Governor-electronic isochronous ADEC/ECU9
- Common rail fuel injection
- Dry exhaust manifold
- Electric starting motor (24V)
- Fuel consumption optimized engine

Generator

- Leroy Somer low voltage generator
- Meets NEMA MG1, BS5000, IEC 60034-1,
 VDE 0530, DIN EN 12601, AS1359
 and ISO 8528-3 requirements
- Superior voltage waveform
- Solid state, volts-per-Hertz regulator
- 4 pole three-phase synchronous generator
- Brushless, self-excited, self-regulating, self-ventilated
- Digital voltage regulator
- Anti condensation heater

- Stator winding Y-connected, accessible neutral (brought out)
- Protection IP 23
- less than 5% harmonic distorsion
- 2/3 pitch stator windings
- No load to full load regulation
- ± 0.25% voltage regulation no load to full load
- Insulation class H, utilization acc. to H
- Radio suppression EN55011, group 1, cl. B
- Short circuit capability 3xIn for 10sec

- Sustained short circuit current of up to 300% of the rated current for up to 10 seconds (Leroy Somer generator)
- Winding and bearing RTDs (without monitoring)
- Excitation by AREP + PMI
- Mounting of CT's: 3x 2 core CT's
- Voltage setpoint adjustment ±10V
- ☐ Sustained short circuit current of up to 250% of the rated current for up to 10 seconds (Marathon generator)
- ☐ Marathon low voltage generator
- ☐ Oversized generator

^{**} BE, fuel optimized: max. power available up to: open power unit 40°C/400m; NOx emission optimized, EPA Tier 2 compl., NEA: standard operating conditions/open power unit 25°C/100m

Represents optional features

Standard and optional features

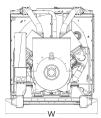
Cooling system Air-to-Air Charge-Air-Cooling TD

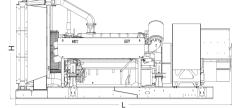
Represents standard featuresRepresents optional features

Mechanical radiatorJacket water pump	Expansion tankFan	■ Thermostat(s) ☐ Jacket water heater
Water-to-Air Charge-Air-Cooling TB		
Coolant pumpManifold with thermostatic valves	■ WCAC-base frame with safety covers	☐ HT-piping with flexible engine connection
Control panel		
 ■ Pre-wired control cabinet for easy application of customized controller (V1+) □ Island operation (V2) □ Automatic mains failure operation with ATS (V3a) □ Automatic mains failure operation incl. control of generator and mains breaker (V3b) □ Island parallel operation of multiple gensets (V4) □ Automatic mains failure operation with short (< 10s) mains parallel overlap synchronization (V5) □ Mains parallel operation of a single genset (V6) 	 Mains parallel operation of multiple gensets (V7) Basler controller Deif controller Complete system metering Digital metering Engine parameters Generator protection functions Engine protection SAE J1939 engine ECU communications Parametrization software Multilingual capability Multiple programmable contact inputs Multiple contact outputs Event recording 	 ■ IP 54 front panel rating with integrated gasket □ Different expansion modules □ Remote annunciator □ Daytank control □ Generator winding- and bearing temperature monitoring □ Differential protection with multi-function protection relay □ Modbus TCP-IP
Power panel		
□ Available in 600x600□ Phase monitoring relay 230V/400V	☐ Supply for battery charger☐ Supply for jacket water heater☐	☐ Plug socket cabinet for 230V compatible Euro
Fuel system		
■ Flexible fuel connectors mounted to base frame	☐ Fuel filter with water separator☐ Switchable fuel filter with water separator	☐ Fuel cooler (for TD-only)
Starting/charging system		
■ 24V starter	 Starter batteries, cables, rack, disconnect switch 	☐ Battery charger ☐ Redundant starter 2x 7.5kW
Mounting system		
■ Welded base frame	Resilient engine and generator mounting	■ Modular base frame design
Exhaust system		
Exhaust bellows with connection flangeExhaust silencer with 10 dB(A) sound attenuation	☐ Exhaust silencer with 30 dB(A) sound attenuation	□ Exhaust silencer with40 dB(A) sound attenuation□ Y-connection-pipe

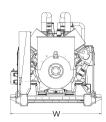
Weights and dimensions

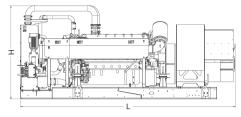
Air-to-Air Charge-Air Cooling (TD)





Water-to-Air Charge-Air Cooling (TB)





Drawing above for illustration purposes only, based on a standard open power 400 Volt engine-generator set. Lengths may vary with other voltages. Do not use for installation design. See website for unit specific template drawings.

System	Dimensions (LxWxH)	Weight (incl. engine-oil and coolant)	
Open power unit (OPU) Air-to-Air (TD)	4720 x 1990 x 2200 mm	7850 kg	
Open power unit (OPU) Water-to-Air (TB)	4711 x 1988 x 2046 mm	7500 kg	

Weights and dimensions are based on open power units and are estimates only. Consult the factory for accurate weights and dimensions for your specific engine-generator set.

Sound data

Consult your local mtu distributor for sound data.

Emissions data

- Consult your local *mtu* distributor for emissions data.

Rating definitions and conditions

- 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: ≤ 100%. Operating hours/year: unlimited.
- Consult your local *mtu* distributor for derating information.