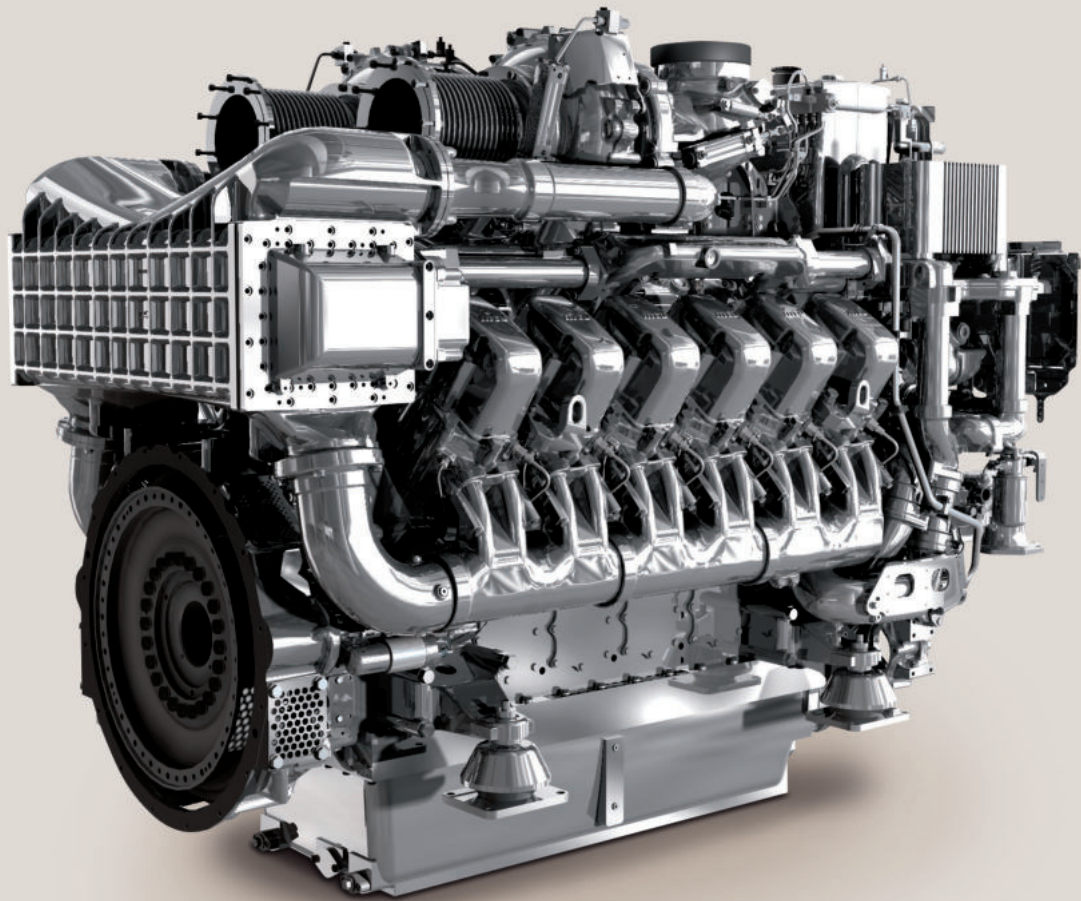


The benchmark for reliable, comfortable power.

MTU Series 4000 for Displacement Yachts.



Power. Passion. Partnership.

The MTU Series 4000:

Unrestricted operation:

No limitation in operation time: important for your displacement or charter yacht

Industry leading overall fuel consumption:

Down to 194g/kWh at rated power and excellent part loads

Best overall performance:

Highest torque in class produces maximum acceleration and exceptional maneuverability

Engines built for a lifetime:

Increased TBO up to 33,000 hours for reduced service work and maximum availability

MTU know-how:

Different resilient mounting systems available to provide acoustically optimized propulsion solutions, including interface components such as couplings and compensators

Easy maintenance:

Engine design allows for simplified maintenance and access to all components, both internal and external

High reliability:

24 months standard warranty with optional Extended Propulsion Coverage (EPC) for up to 5 years

Environmental stewardship:

Compliant with all “world” emissions regulations and prepared for the next stage

Clean ship:

Reduced emissions due to the latest turbocharging and fuel injection technologies, and exhaust after treatment systems such as diesel particulate filters and selective catalytic reduction (SCR)

Availability:

Worldwide service network with 24-hour spare part availability – over 1200 MTU service locations worldwide

Safety:

SOLAS compliance standard: optimized heat radiation means reduced shipyard work and lower expenditure on ventilation and insulation, as well as less wear on engine-room components (e.g., LOP)

Single source:

MTU provides complete proven propulsion systems and on-board generator sets (e.g., for diesel-electric propulsion systems), as well as automation systems

More than 18,000 MTU Series 4000 engines sold in all applications.

Standard scope:

- Long stroke engine designed for your displacement yacht needs
- Factory engineered elastic mounting system (high adjustability) for low vibration and highest comfort
- Factory approved coupling and gearbox design including “plug & play” automation
- Automation options to integrate complete ship area
- Second generation common rail injection system
- Certified to all major classification societies
- Certified to all IMO II, EU IIIA and/or EPA Tier 2 regulations.
- Full DMA cabability

Services:

Extended warranty options, maintenance contracts, torsional vibrations calculations, system integration, RCS and MCS plug & play, proven systems, on-board gensets available

Main propulsion engines	
Engine type	kW@rpm
8V 4000 M53R	746@1600
8V 4000 M53	920@1800
8V 4000 M63	1000@1800
12V 4000 M53R	1140@1600
12V 4000 M53	1380@1800
12V 4000 M63	1500@1800
16V 4000 M53R ¹	1520@1600
16V 4000 M53	1840@1800
16V 4000 M63R ²	1920@1600
16V 4000 M63 ³	2000@1800
16V 4000 M63L	2240@1800

¹ 1492 kW on request

² 1840 kW on request

³ 1920 kW on request

On-board gensets and diesel-electric drives	
Engine type	kW@rpm
50 Hz	
8V 4000 M23F	760@1500
12V 4000 M23F	1140@1500
16V 4000 M23F	1520@1500
8V 4000 M33F	880@1500
12V 4000 M33F	1320@1500
16V 4000 M33F	1760@1500
60 Hz	
8V 4000 M23S	920@1800
12V 4000 M23S	1380@1800
16V 4000 M23S	1840@1800
8V 4000 M33S	1040@1800
12V 4000 M33S	1560@1800
16V 4000 M33S	2080@1800