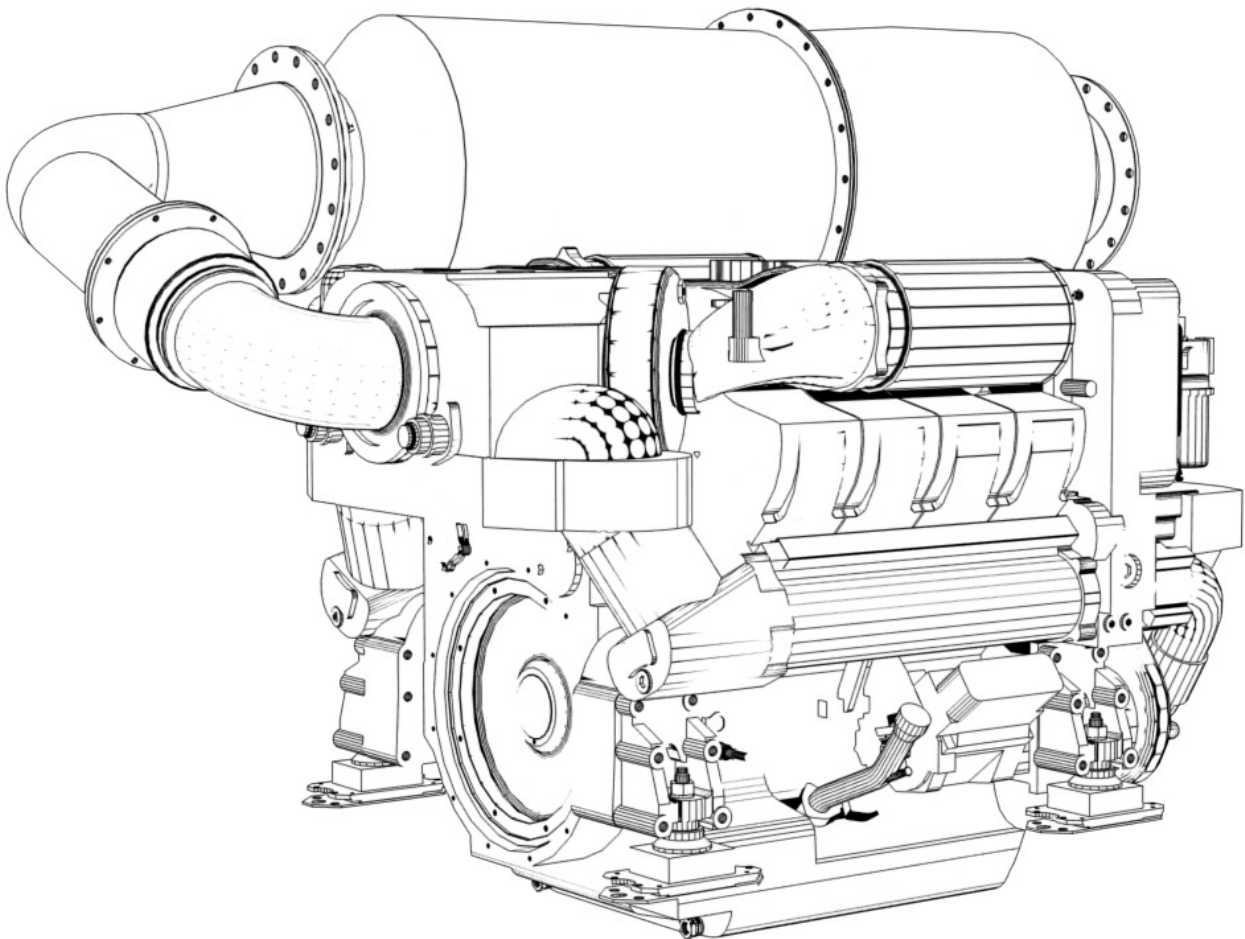



High performance propulsion systems

BOS Power S2000 M72 IMO Tier III



NAVIGATE TO LOW EMISSION

The BOS Power S2000 M72 IMO Tier III engine, is a compact, light-weight diesel engine design based on the market leading **mtu** S2000 engine series. Combined with a SCR it fulfills emission levels according to IMO Tier III, and is certified by DNV to meet the NOx reduction requirements for operation in ECA areas.

A decorative graphic in the bottom-left corner consisting of two overlapping teal-colored circular shapes, one slightly larger and more opaque than the other, creating a partial ring effect.



FLEXIBLE SOLUTIONS

Designed for small engines rooms the system is lightweight and compact, with a flexible SCR arrangement that allows for the best utilisation of space.

The engines offer a low fuel consumption over the entire performance range.

Service components are easily accessible for increased installation and serviceability.



Flexible design suited for the vessel in mid



Compact and light weight design



Extensive service offerings and Value Care



WELL SUITED

The *mtu* Series 2000 M72 common rail engines are rated for intermediate duty (1B), and have excellent acceleration behavior and high engines torque at low load.

Due to their compact and powerful design, the 1B duty engines are particularly suited for fast ferries, SAR, patrol vessels, wind farm service and crew vessels



High operating performance

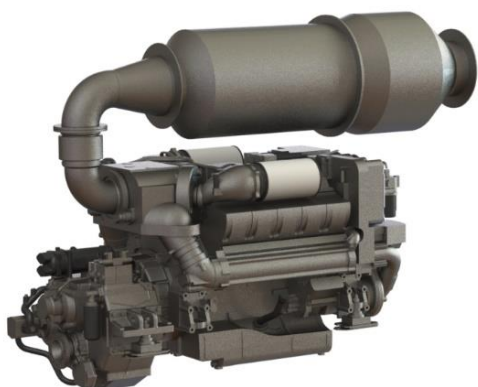


Excellent acceleration behavior

Marine

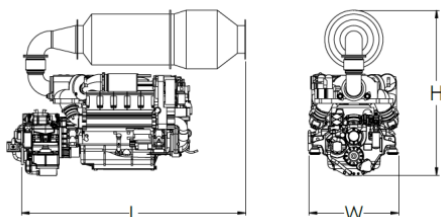
DIESEL ENGINES 8/10V 2000 M72

for fast vessels with high load factors (1B)



Engine with SCR and gearbox	Dimensions (LxWxH) mm	Mass engine and gear, dry [kg]	Mass SCR system, dry [kg]
8V/ZF 2000	2780x1160x2030	2410	278 ¹⁾
10V/ZF 3000	2880x1160x2120	2820	300 ¹⁾

1) Weight of complete SCR system including catalyst, mixer, 100 l urea tank (dry), control cabinet, wiring and dosing unit



Typical applications: Fast ferries, wind farm service vessels, SAR, Patrol vessels (catamarans, monohulls, surface effect ships) and displacement yachts

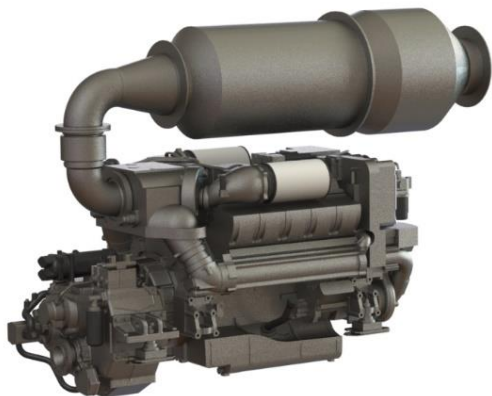
Optional equipment and finishing shown. Standard may vary
Location of mixer and catalyst can be adjusted to specific space requirement

Engine type		8V 2000 M72	10V 2000 M72
Rated power ICFN	kW (bhp)	720 (965)	900 (1250)
Speed	rpm	2250	2250
No. of cylinders		8	10
Bore stroke	mm	135/156	135/156
Displacement, total	l	17,9	22,3
Flywheel housing		SAE 1	SAE 1
Gearbox type		ZF 2000 i = 1,1 – 2,5	ZF 3000 i = 1,1 – 3,0
Aftertreatment system		LD - type	LE - type
Max exhaust backpressure ²⁾	mbar	45	45
Exhaust emissions		IMO III	IMO III

Marine

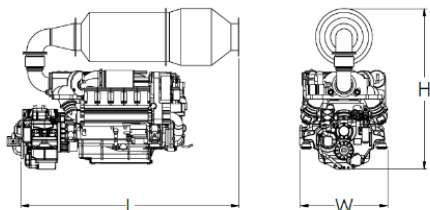
DIESEL ENGINES 12/16V 2000 M72

for fast vessels with high load factors (1B)



Engine with SCR and gearbox	Dimensions (LxWxH) mm	Mass engine, dry [kg]	Mass SCR system, dry [kg]
12V/ZF 2000	2715x1280x2450	3680	340 ¹⁾
16V/ZF 3000	2920x1295x2560	4600	385 ¹⁾

1) Weight of complete SCR system including catalyst, mixer, 100 l urea tank (dry), control cabinet, wiring and dosing unit



Typical applications: Fast ferries, wind mill service vessels, SAR, Patrol vessels (catamarans monohulls, surface effect ships) and displacement yachts

Optional equipment and finishing shown. Standard may vary
Location of mixer and catalyst can be adjusted to specific space requirement

Engine type		12V 2000 M72	16V 2000 M72
Rated power ICFN	kW (bhp)	1080 (1450)	1440 (1930)
Speed	rpm	2250	2250
No. of cylinders		12	16
Bore stroke	mm	135/156	135/156
Displacement, total	l	26,8	35,7
Flywheel housing		SAE 0	SAE 0
Gearbox type		ZF 3050 i = 1,3 – 3,0	ZF 5000 i = 1,3 – 3,0
Aftertreatment system		LF - type	LG - type
Max exhaust backpressure ²⁾	mbar	45	45
Exhaust emissions		IMO III	IMO III

1) IMO – International Maritime Organization

2) Including SCR system

SELECTED REFERENCES

BOS Power S2000 M72 IMO Tier III
Trusted by operators

MS Fjorgyn

Powered by: 4 x **mtu** 10V 2000 M72
Yard: Oma Baatbyggeri
Delivered: 2021

MS TDB

Powered by: 2 x **mtu** 12V 2000 M72
Yard: TDB
Delivery: 2023

MS Fredrikke Tønder-Olsen

Powered by: 4 x **mtu** 10V 2000 M72
Yard: Brødrene Aa
Delivered: 2020

MS Rygerprinsessen

Powered by: 2 x **mtu** 8V 2000 M72
Yard: Oma Baatbyggeri
Delivered: 2019

MS Fjordglimt

Powered by: 2 x **mtu** 8V 2000 M72
Yard: Brødrene Aa
Delivered: 2018

MS Regine Normann

Powered by: 4 x **mtu** 10V 2000 M72
Yard: Brødrene Aa
Delivered: 2018

MS Fjordsol

Powered by: 2 x **mtu** 8V 2000 M72
Yard: Brødrene Aa
Delivered: 2018

MS Elsa Lula Renberg

Powered by: 4 x **mtu** 10V 2000 M72
Yard: Brødrene Aa
Delivered: 2018



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