

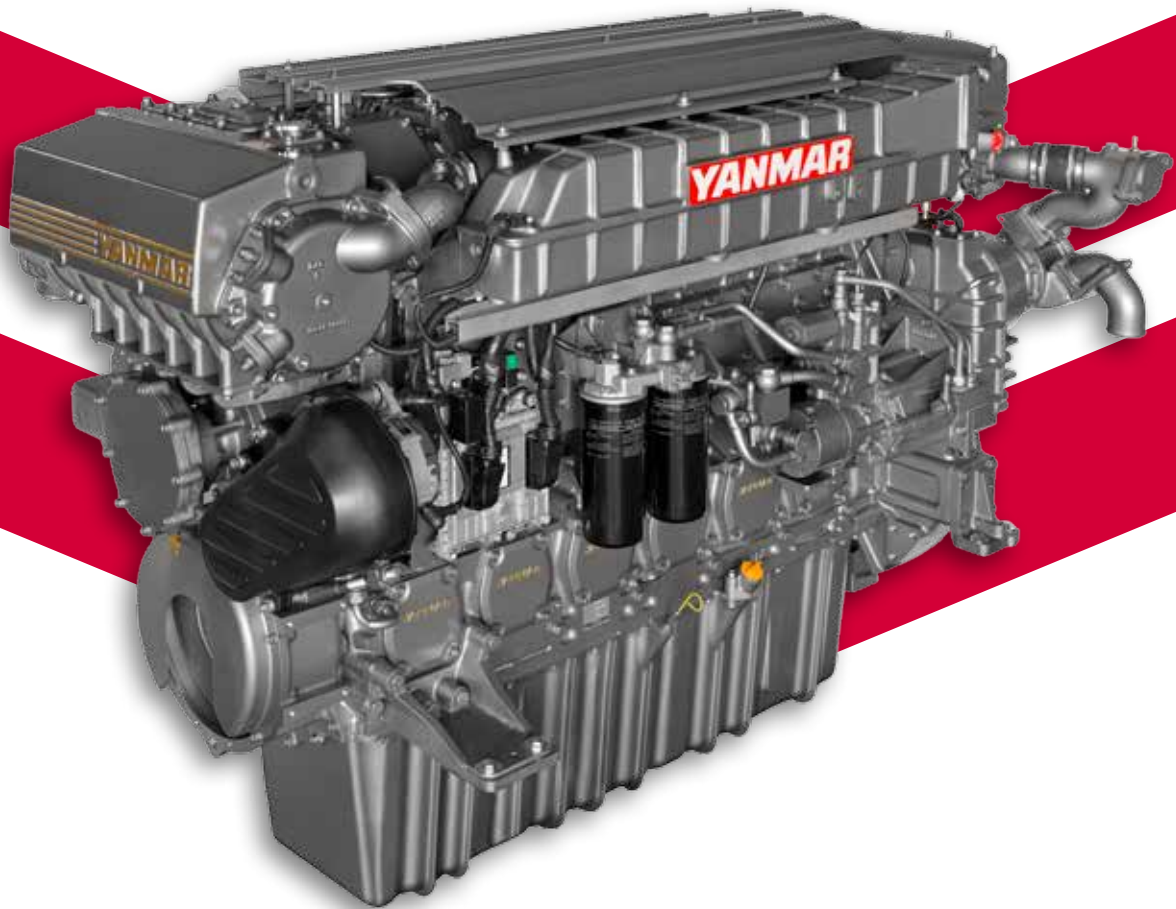


**YANMAR**

COMMERCIAL MARINE

# **6AYEM Series**

485 kW - 749 kW





# High power in a compact package

New 6-cylinder 6AYEM features outstanding economy, power and reliability

**NEW**

**ELECTRONIC CONTROL TECHNOLOGY**

## State of the art technology

Careful combustion chamber design along with multi-stage fuel injection via the 8 main and 4 secondary nozzles gives super-low emissions while maximizing torque at low or high revs. This staggered approach makes starting easy and reliable – preheating is not required.

## Legendary Durability

The legendary Yanmar durability comes courtesy of the fine manufacturing tolerances and Silicard finish on the piston liners, a process especially created for the unique rigours of life as a marine diesel engine.

## Clean Operation

Drastic reduction of white/black smoke



## Digital Monitor

Rely on your real time fuel oil consumption shown on your display

## Low Noise

When operating at idle

## Unique features

- High torque throughout the rev range
- Low emissions
- Low noise
- Ultra reliable starting performance
- High durability, offering a long service life and low overall costs
- Easy maintenance
- A compact profile
- An ergonomic & easy to use control panel

## Specifications

Model	SI unit	6AYEM			
Type	-	In line, water cooled, 4-cycle diesel engine			
Combustion system	-	Direct injection			
Number of cylinder	-	6			
Bore X Stroke	mm	155 x 180			
Displacement	L	20.38			
Rating	-	S	L	M	Continuous
Rated power (at flywheel end)	kW	749	670	610	555
Rated engine speed	min <sup>-1</sup>	2000	1938	1900	1840
Brake mean effective pressure	MPa	2.2	2.04	1.89	1.78
Mean piston speed	m/s	12.0	11.6	11.4	11.0
Power rating (PV value)	MPa · m/s	26.4	23.7	21.6	19.6
Specific fuel consumption (without marine gear)	g/kWh	IMO2: 206 + 5%	IMO2: 201 + 5% CCNR-2: 206 + 5%	IMO2: 204 + 5% CCNR-2: 206 + 5%	IMO2: 201 + 5% CCNR-2: 208 + 5%
Turbocharging system	-	Turbocharging with charge air cooler			
Size of flywheel housing	-	SAE #0			
Size of flywheel	-	SAE #18			
Emissions	-	IMO-2, CCNR-2			
Dimensions	Overall length	mm	2000		
	Overall width	mm	1306		
	Overall height (Standard oil pan)	mm	1531		
	Overall height (<Option> Shallow oil pan)	mm	1431		
Engine dry mass (engine only)	kg	2418			



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