

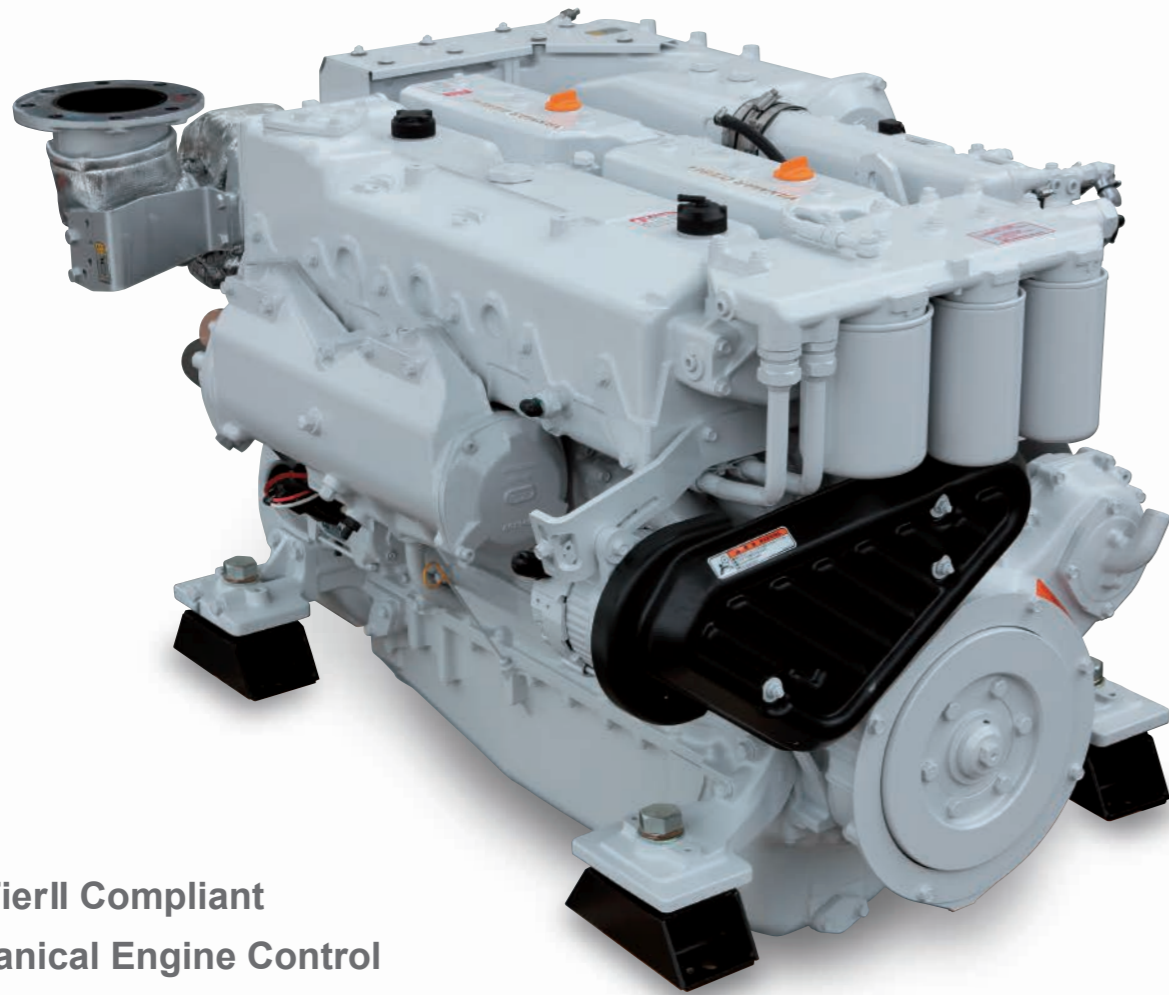


YANMAR

MARINE DIESEL ENGINE

6CXBM-GT

S-rating 374kW [509mhp] (Planing craft Application)
L-rating 341kW [464mhp]



IMO TierII Compliant
Mechanical Engine Control
SOLAS Option

464mhp

509mhp

**MORE
POWER
LESS
FUEL**

Engine Specifications

Model		6CXBM-GT	
Type	4-cycle, Vertical, Turbo-charged intercooled diesel engine		
No. of cylinders, Bore × stroke mm	6 in-line, 110×130		
Displacement lit.	7.413		
Rated output kW(hp) / min ⁻¹ (rpm)	S: 374 (509) / 2700	L: 341 (464) / 2700	
Emission	IMO Tier II		
Fuel consumption gr/kW · hr	S: 212 (at rated output)	L: 211 (at rated output)	
Direction of rotation	Counterclockwise viewed from stern (crankshaft)		
Combustion system	Direct injection		
Cooling system	With Heat exchanger		
Cooling fresh water capacity lit.	40.5+3.4 (reservoir tank)		
Lubricating system	Forced lubrication with gear pump		
Lubricating oil capacity lit.	33 (standard sump) / 22 (shallow sump)		
Lubricating oil grade	SAE15W-40		
Starting system	Electric starting motor (DC 24V-5kW)		
Flywheel housing size inch	SAE #3 and 11-1/2		
Dry weight kg	856		

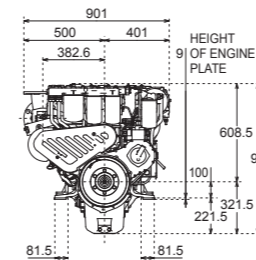
Marine Gear Specifications

Engine Model		6CXBM-GT	
Marine gear model	YX-75		
Type	Hydraulic multi-disc clutch		
Reduction ratio	2.07	2.58	2.91
Direction of rotation	Clockwise or Counter-clockwise viewed from stern		
Dry weight kg	204		

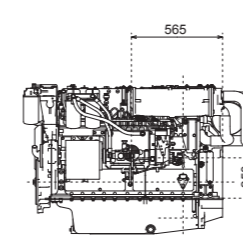
Dimensions (Unit : mm)

with optional shallow oil sump

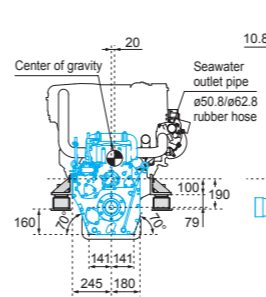
Engine only / Front view



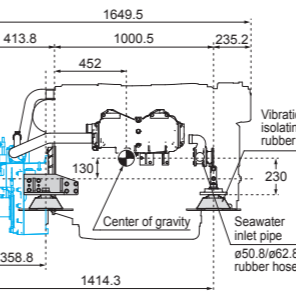
Engine only / Left side view



With YX75 gearbox / Rear view

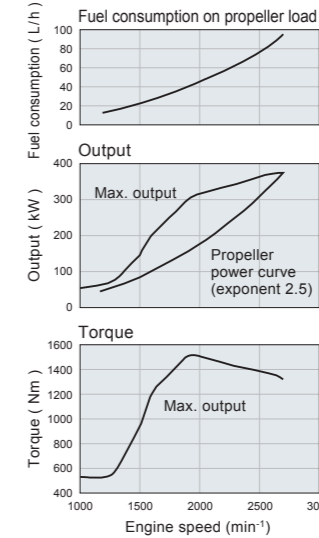


With YX75 gearbox / Right side view

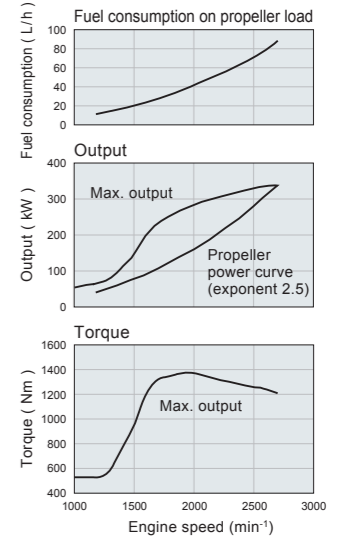


Performance Curves

6CXBM-GT (S rating)

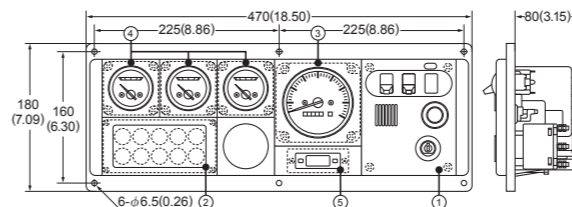


6CXBM-GT (L rating)



Rating definitions : hp=0.7355kW Ratings are based on conditions of 100kPa, 30% relative humidity at 25°C.
S=For applications where use of rated power is less than 30 minutes continuous out of every 90 minutes and operation is less than 1000 hours per year. When combined with a correctly matched propeller which allows the engine rated speed to be achieved in a fully loaded vessel state, the reduced-power operation can be at or below 100 rpm of the rated speed.
L=For applications where use of rated power is less than 2 hours continuous out of every 5 hours and operation is less than 2000 hours per year. When combined with a correctly matched propeller which allows the engine rated speed to be achieved in a fully loaded vessel state, the reduced-power operation can be at or below 100 rpm of the rated speed.
Fuel rates : Specific gravity 0.835g/cc, low calorific value 42700kJ/kg (10200kcal/kg), Cetane No.45.

Detail of instrument panel D-type (Unit : mm)



- ① **Switch unit**
 - Key switch
 - Alarm buzzer
 - Alarm buzzer stop switch
 - Illumination switch
- ② **Alarm lamp unit with Alarm monitor device**
 - Battery not charging
 - C.W. high temp.
 - L.O. low pressure
 - Clutch oil pressure
 - L.O. filter clogged
 - C.W.level
- ③ **Tachometer unit**
 - Tachometer with hour meter
- ④ **Sub meter unit**
 - L.O. pressure meter
 - C.W. temp. meter
 - Boost meter (Turbo)
- ⑤ **Clock unit**
 - Clock

YANMAR POWER TECHNOLOGY CO., LTD.

Large Power Products Business
1-1-1, Nagasu-Higashidori, Amagasaki, Hyogo, Japan
Tel : +81-6489-8069 Fax : +81-6489-1082
yanmar.com

Note : All Data Subject to Change Without Notice.