



MARINE DIESEL ENGINES

6CXBM-GT Series

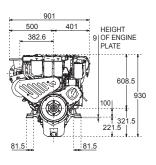
MORE POWER LESS FUEL | IMO Tier II Compliant | Mechanical Engine Control | SOLAS Option

Configuration	4-cycle, Vertical, Turbo-charged	4-cycle, Vertical, Turbo-charged intercooled diesel engine				
Maximum output at crankshaft	S: 374 kW@2700 rpm	[509 mhp@2700 rpm]				
	L: 341 kW@2700 rpm	[464 mhp@ 2700 rpm]				
	M: 294 kW@2500 rpm	[400 mhp@2500 rpm]				
	H: 265 kW@2400 rpm	[360 mhp@2400 rpm]				
Displacement	7.413 ltr					
Bore x stroke	110 mm × 130 mm	110 mm × 130 mm				
Cylinders	6 in-line	6 in-line				
Combustion system	Direct injection	Direct injection				
Starting system	Electric starting motor [DC 24V -	Electric starting motor [DC 24V - 5 kW]				
Flywheel housing size	SAE #3 and 11 - 1/2 inch	SAE #3 and 11 - 1/2 inch				
Cooling system	With Heat exchanger	With Heat exchanger				
Cooling fresh water capacity	40.5 ltr + 3.4 ltr [reservoir tank]	40.5 ltr + 3.4 ltr [reservoir tank]				
Lubrication system	Forced lubrication with gear pun	Forced lubrication with gear pump				
Lubricating oil capacity	33 ltr [standard sump] / 22 ltr [sh	33 ltr [standard sump] / 22 ltr [shallow sump]				
Lubricating oil grade	SAE15W-40	SAE15W-40				
Direction of rotation [crankshaft]	Counterclockwise viewed from s	Counterclockwise viewed from stern				
Dry weight without gear	856 kg	856 kg				
Environmental	IMO Tier II					
Fuel consumption [at rated output]	S: 212 gr/kW hr	L: 211 gr/kW hr				
	M: 210 gr/kW hr	H: 209 gr/kW hr				

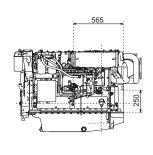
DIMENSIONS [UNIT: MM]

S/L-rating

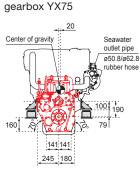
Front view, engine only



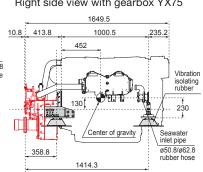
Left side view, engine only



Rear view with

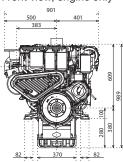


Right side view with gearbox YX75

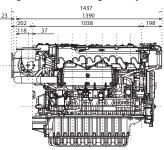


M/H-rating

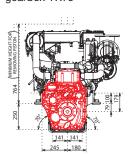
Front view, engine only



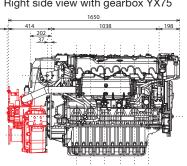
Right side view, engine only



Rear view with gearbox YX75



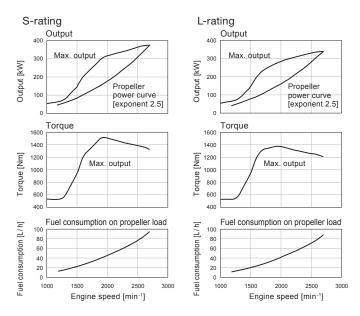
Right side view with gearbox YX75





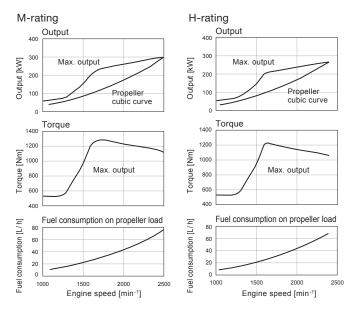


PERFORMANCE CURVES



Rating definitions: hp = 0.7355 kW Ratings are based on conditions of 100 kPa, 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.



M= For applications where use of rated power is less than 10 hours continuous out of every 16 hours and operation is less than 3000 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.

H= For applications where use of rated power is less than 24 hours continuous out of every 30 hours and operation is less than 4000 hours are year. When combined with a correctly matched propeller.

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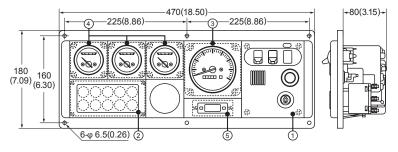
Fuel rates: Specific gravity 0.835 g/cc, low calorific value 42700 kj/kg [10200 kcal/kg], Cetane No. 45.

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MARINE GEARS SPECIFICATIONS

Model		YX-75 YXH2-130 [2 SPEED TYPE]						
Type		Hydraulic multi-disc clutch, wet type						
Dry Weight		204 kg			320 kg			
Reduction Ratio [Ahead]	2.07	2.58	2.91	2.03/2.62	2.57/3.35	3 .04/4.00		
Direction of rotation [propeller shaft]	Clockwise or c	Clockwise or counter-clockwise viewed from stern			Counter-clockwise viewed from stern			

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 pressureL.O. filter clogged
- C.W.level

- 3 Tachometer unit
- Tachometer with hour meter

- 4 Sub meter unit
- L.O. pressure meterC.W. temp. meter
- Boost meter [Turbo]
- 5 Clock unit

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