

6CXBM-GT Series

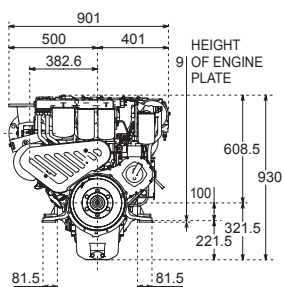
MORE POWER LESS FUEL | IMO Tier II Compliant | Mechanical Engine Control | SOLAS Option

Configuration	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 x 130 mm	
Cylinders	6 in-line	
Combustion system	Direct injection	
Starting system	Electric starting motor [DC 24V - 5 kW]	
Flywheel housing size	SAE #3 and 11 - 1/2 inch	
Cooling system	With Heat exchanger	
Cooling fresh water capacity	40.5 ltr + 3.4 ltr [reservoir tank]	
Lubrication system	Forced lubrication with gear pump	
Lubricating oil capacity	33 ltr [standard sump] / 22 ltr [shallow sump]	
Lubricating oil grade	SAE15W-40	
Direction of rotation [crankshaft]	Counterclockwise viewed from stern	
Dry weight without gear	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

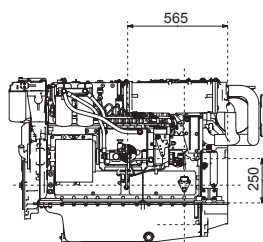
DIMENSIONS [UNIT: MM]

S/L-rating

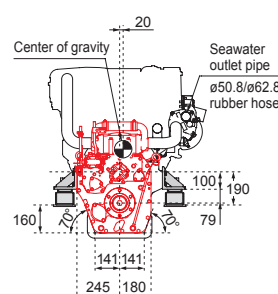
Front view, engine only



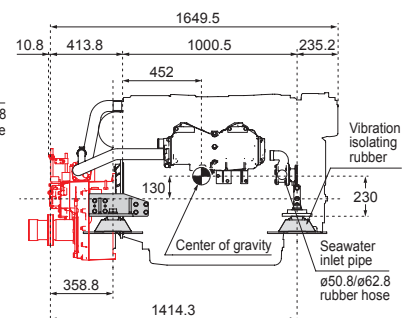
Left side view, engine only



Rear view with gearbox YX75

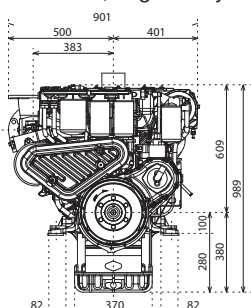


Right side view with gearbox YX75

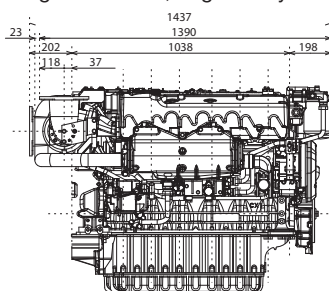


M/H-rating

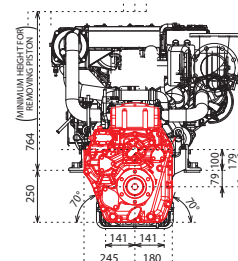
Front view, engine only



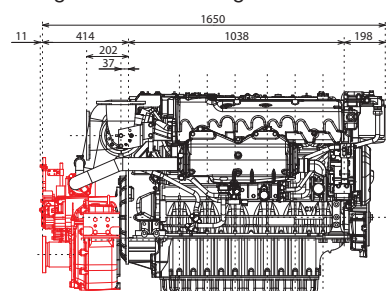
Right side view, engine only



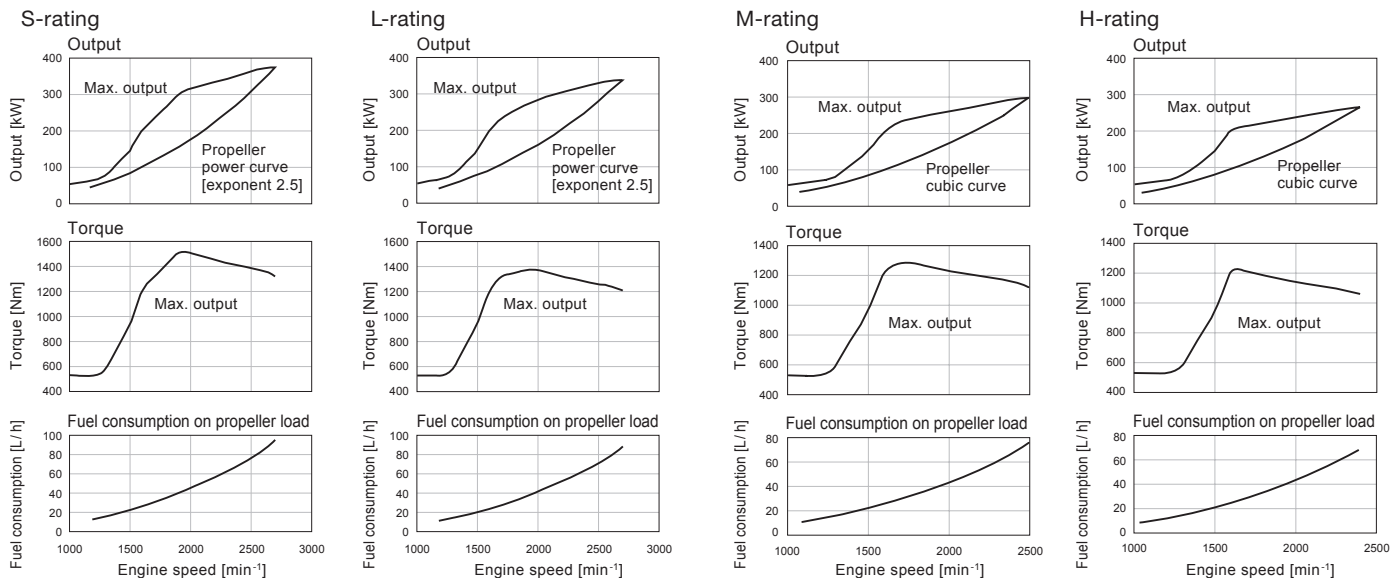
Rear view with gearbox YX75



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.

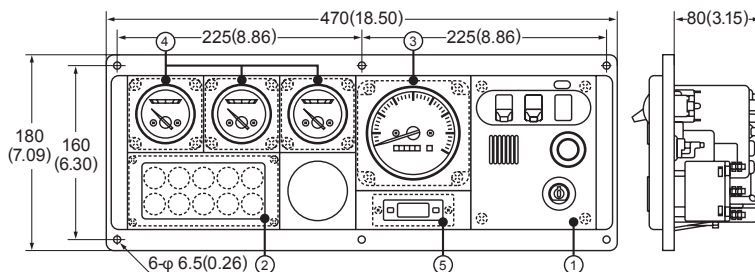
H= For applications where use of rated power is less than 24 hours continuous out of every 30 hours and operation is less than 4000 hours per year. When combined with a correctly matched propeller which allows the engine rated speed to be achieved in a fully loaded vessel state, the reduced-power operation can be at or below 100 rpm of the rated speed.

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

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 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 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

NOTE: All data subject to change without notice. Text and illustrations are not binding.