



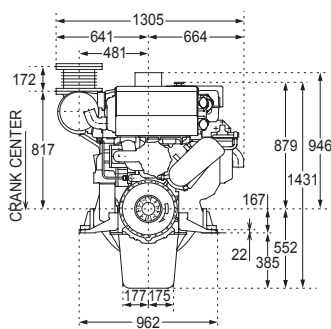
# 6AYM-WET Series

**LONG STROKE** | IMO Tier II Compliant | Mechanical Engine Control

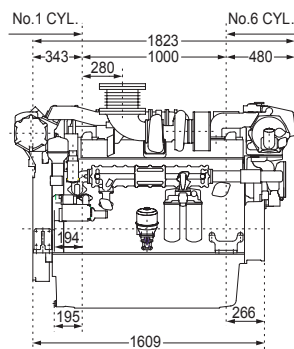
Configuration	4-cycle, Vertical, Turbo-charged with sea watercooled intercooler diesel engine	
Maximum output at crankshaft	M: 610 kW@1900 rpm H: 555 kW@1840 rpm	[829 mhp@1900 rpm] [755 mhp@1840 rpm]
Displacement	20.379 ltr	
Bore x stroke	155 mm × 180 mm	
Cylinders	6 in-line	
Combustion system	Direct injection	
Starting system	Electric starting motor [DC 24V - 8 kW] [optional airstarting]	
Flywheel housing size	SAE #0 and 18 inch	
Cooling system	With Heat exchanger [optional keel cooling]	
Cooling fresh water capacity	60 ltr	
Lubrication system	Forced lubrication with gear pump	
Lubricating oil capacity	91 ltr	
Lubricating oil grade	SAE40 or SAE15W-40	
Direction of rotation [crankshaft]	Counterclockwise viewed from stern	
Dry weight without gear	2365	
Environmental	IMO Tier II	
Fuel consumption [at rated output]	M: 207 gr/kW hr H: 202 gr/kW hr	

## DIMENSIONS [UNIT: MM]

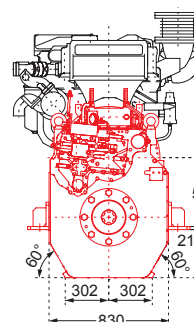
Front view, engine only



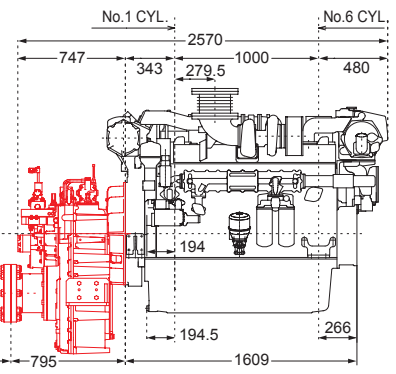
Right side view, engine only



Rear view with gearbox YXH240L



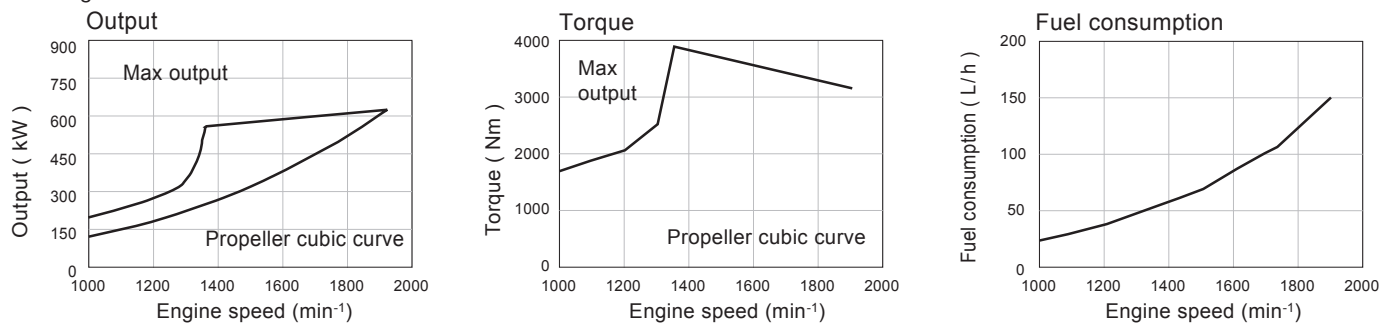
Right side view with gearbox YXH240L



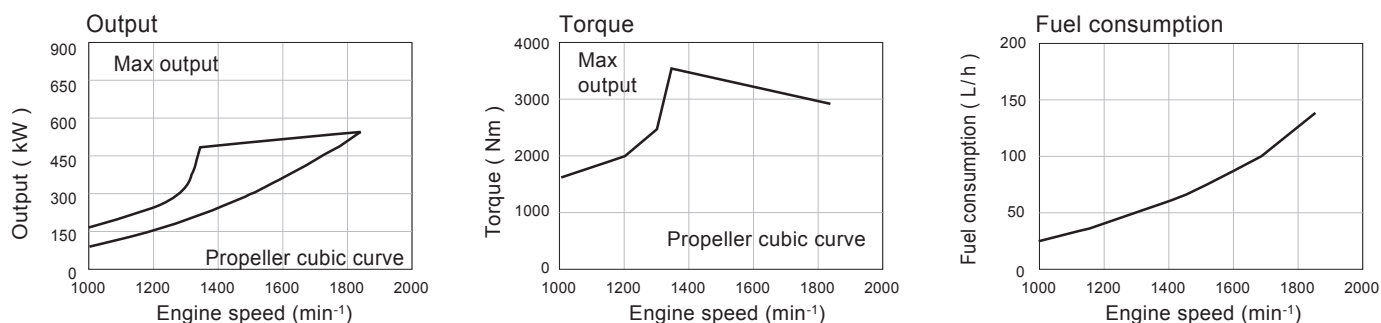


## PERFORMANCE CURVES

## M-rating



## H-rating



Rating definitions: hp= 0.7355 kW Ratings are based on conditions of 100 kPa, 30% relative humidity at 25°C.

M= For applications where use of rated power is less than 10 hours continuous 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 50 rpm of the rated speed.

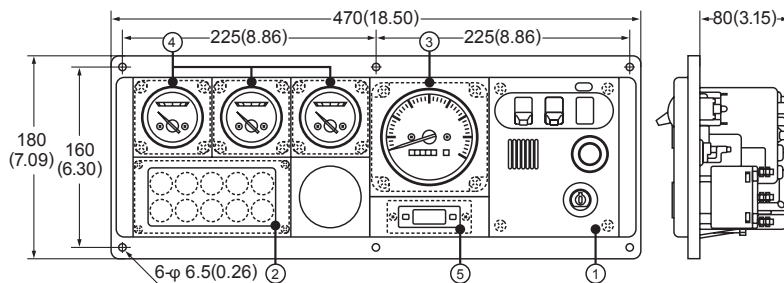
H= For applications where use of rated power is less than 24 hours continuous and operation is less than 4000 hours per year. When combined with a correctly matched propeller which allows the engine rated speed to be achieved in a fully loaded vessel state, the reduced-power operation can be at or below 50 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	YXH-240					YXH-240L				
Type	Hydraulic multi-disc clutch									
Dry Weight	645 kg					1240 kg				
Reduction Ratio [Ahead]	1.95	2.27	2.56	3.03	3.48	4.89	5.36	5.91	6.57	6.95
Direction of rotation [propeller shaft]	Clockwise or 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.