



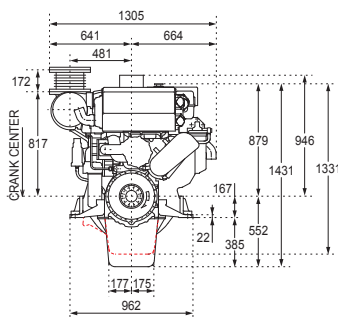
6AYM-WGT Series

LONG STROKE | IMO Tier II Compliant | Mechanical Engine Control

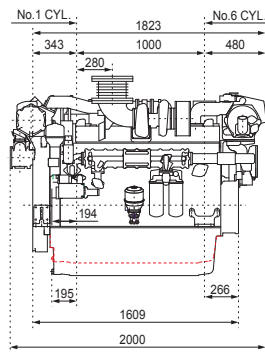
Configuration	4-cycle, Vertical, Turbo-charged with sea watercooled intercooler diesel engine	
Maximum output at crankshaft	L: 670kW@1938 rpm	[911 mhp@@1938 rpm]
Displacement	20.379 ltr	
Bore x stroke	155 mm x 180 mm	
Cylinders	6 in-line	
Combustion system	Direct injection	
Starting system	Electric starting 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 kg	
Environmental	IMO Tier II	
Fuel consumption [at rated output]	L: 208 gr/kW hr	

DIMENSIONS [UNIT: MM]

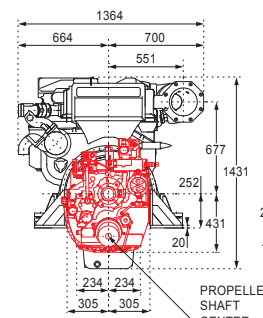
Front view, engine only



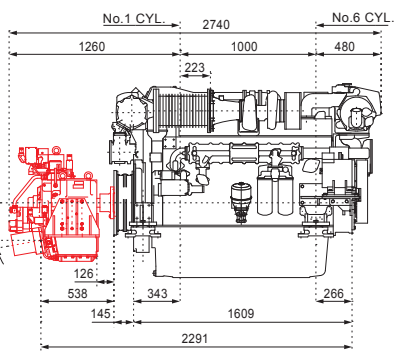
Right side view, engine only



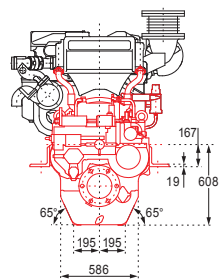
Rear view with gearbox MGNV253W and flexible mounts



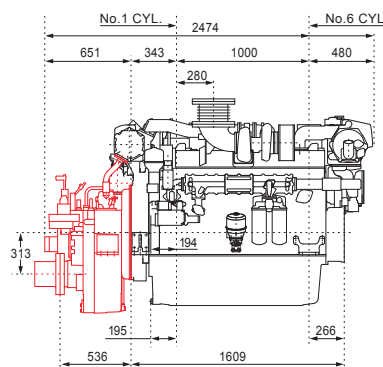
Right side view with gearbox MGNV253W and flexible mounts



Rear view with gearbox YXH240

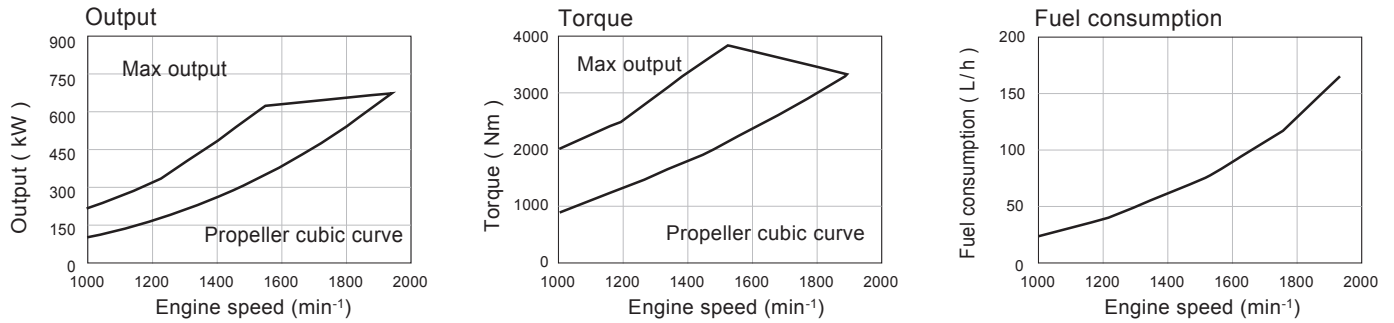


Right side view with gearbox YXH240





PERFORMANCE CURVES

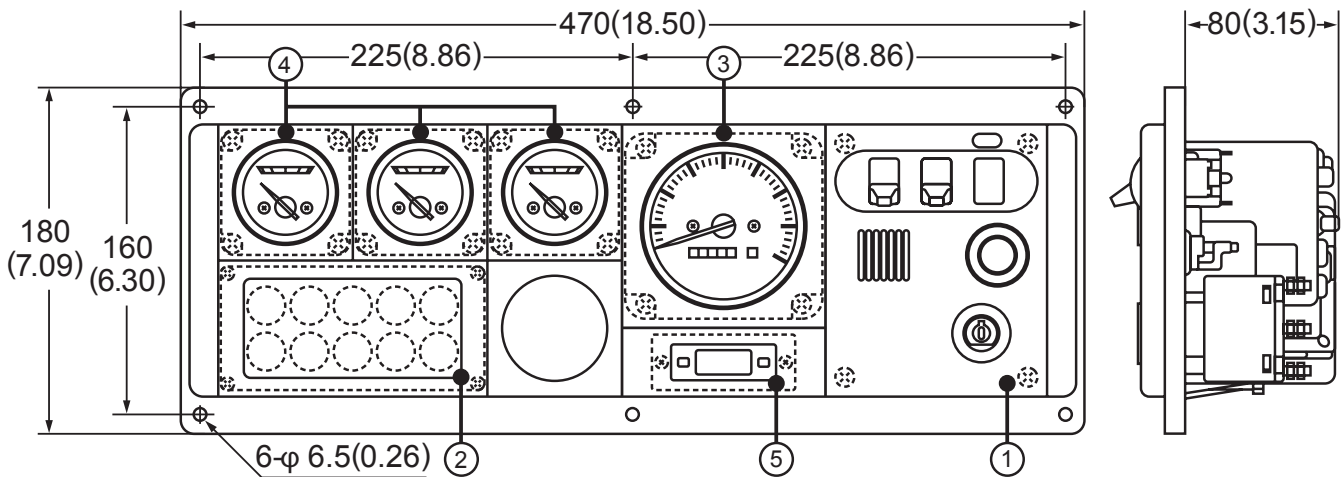


Rating definitions: hp= 0.7355 kW Ratings are based on conditions of 100 kPa, 30% relative humidity at 25°C.
 L= For applications where use of rated power is less than 2 hours continuous out of every 5 hours and operation is less than 2000 hours per year. When combined with a correctly matched propeller which allows the engine rated speed to be achieved in a fully loaded vessel state, the reduced-power operation can be at or below 50 min⁻¹ 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				
Type	Hydraulic multi-disc clutch				
Dry Weight	645 kg				
Reduction Ratio [Ahead]	1.95	2.27	2.56	3.03	3.48
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.