



Yanmar type 6CXM-GTE2

The Powerful Gem

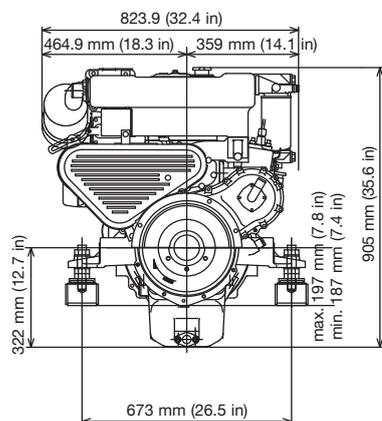


Configuration	4-stroke, vertical, water cooled diesel engine
Maximum output at crankshaft	* 368 kW (500 hp) / 2900 rpm ** 357 kW (485 hp) / 2900 rpm
Continuous rating output at crankshaft	324 kW (440 hp) / 2800 rpm
Displacement	7.413 L (452 cu in)
Bore x stroke	110 mm x 130 mm (4.33 in x 5.12 in)
Cylinders	6 in-line
Combustion system	Direct injection
Aspiration	Turbocharged with air cooler
Starting system	Electric starting 12 V - 4.8 kW
Alternator	12 V - 55 A
Cooling system	Fresh water cooling by centrifugal fresh water pump and rubber impeller seawater pump
Lubrication system	Enclosed, forced lubricating system
Direction of rotation (crankshaft)	Counter clockwise viewed from stern
Dry weight without gear	840 kg (1852 lbs)
Environmental	SAV, IMO, EMC compliant and will meet the 2003/44/EC emission requirements effective from 2006
Engine mounting	Rubber type flexible mounting

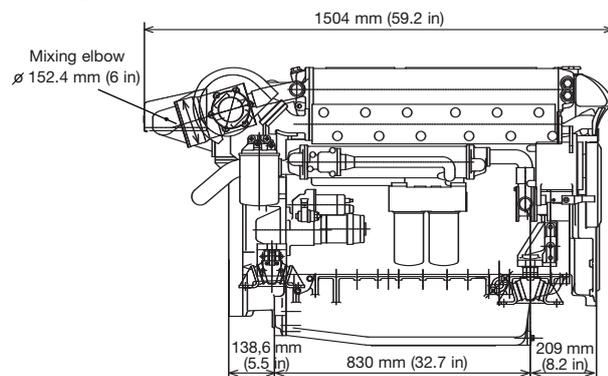
NOTE: Fuel condition: Density at 15°C = 0.860 g/cm³; 1 hp = 0.7355 kW
 * Fuel temperature 25°C at the inlet of the fuel injection pump (ISO 3046-1)
 ** Fuel temperature 40°C at the inlet of the fuel injection pump (ISO 8665)

Dimensions (For detailed line-drawings, please refer to our web-site: www.yanmarmarine.com)

Front view



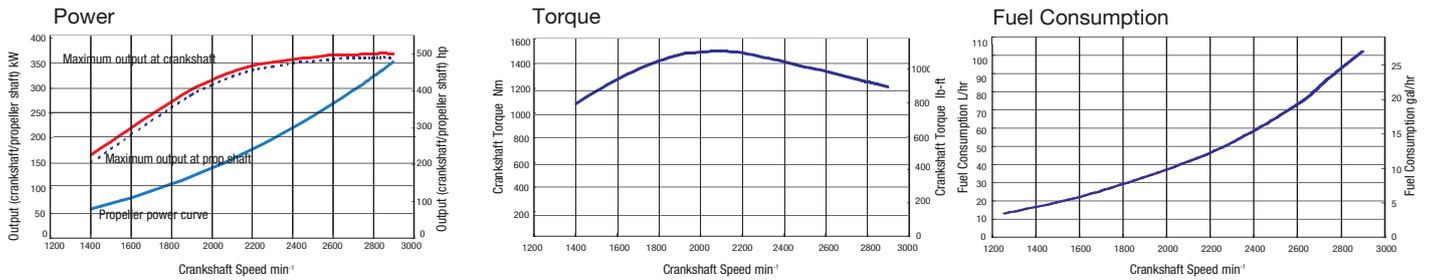
Right side view



Various marine gearboxes and configurations available upon request. Contact your local supplier for more information.

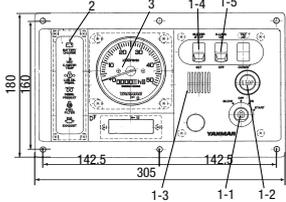
6CXM-GTE2 w/o marine gear

Performance Curves (Output is according ISO 8665 - Output includes +/- 3% tolerance)

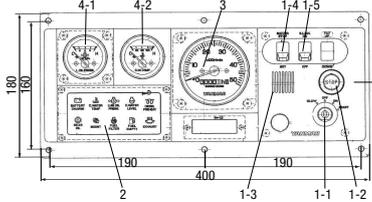


Instrument Panels

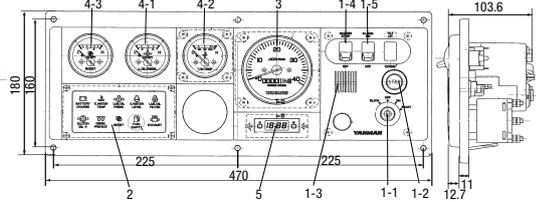
New B-type Panel



New C-type Panel



New D-type Panel



Function	Type of instrument panel		
	New B-type Panel	New C-type Panel	New D-type Panel
① Switch unit			
1-1 Key switch for GLOW/OFF/ON/START (4-position switch)	O	O	O
1-2 Engine stop switch	O	O	O
1-3 Alarm buzzer (C.W. Temp., L.O. Pressure)	O	O	O
1-4 Alarm buzzer stop switch	O	O	O
1-5 Illumination switch for meters	O	O	O
② Alarm lamp unit			
Battery not charging	O	O	O
C.W. high temperature	O	O	O
L.O. low pressure	O	O	O
F.O. drain separator (water level)	O	O	O
Sea water flow	O	O	O
C.W. level for fresh water tank	X	O	O
Boost pressure high	O	O	O
③ Tachometer with hour meter	O	O	O
④ Sub meter unit			
4-1 L.O. pressure meter	X	O	O
4-2 C.W. Temperature meter	X	O	O
4-3 Boost meter (turbo)	X	X	O
⑤ Quartz clock	X	X	O

Note: O = Equipped on panel X = Not equipped on panel

Accessories

Standard Package

- Sensor for various panels
- Exhaust/water mixing elbow (L-type)
- Alternator 12 V - 55 A

Optional

- Flexible mounts
- Fuel water separator
- Exhaust/water mixing elbow, U-type (high riser)
- Analog and digital (New B-type, New C-type and New D-type) instrument panels
- Sensor for VDO instrument panels
- Control heads
- Lub oil evacuation pump
- Dipstick for opposite side
- Dual station Y harness

Texts and illustrations are not binding. Yanmar Marine reserves the right to introduce adaptations without prior notification.