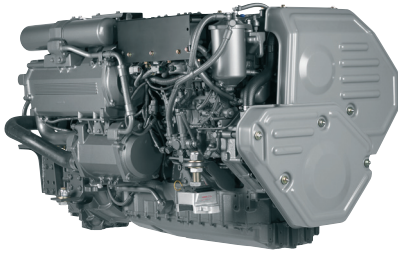


# Yanmar type 6LY3-ETP

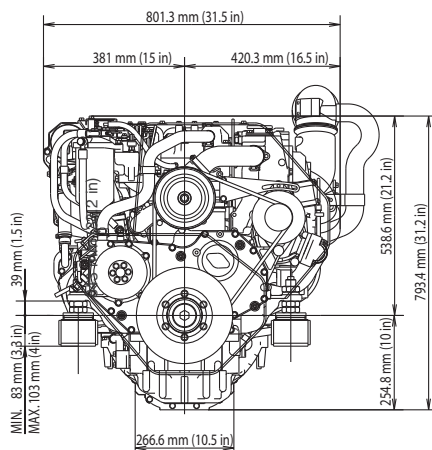


<b>Configuration</b>	24 valve, 4-stroke, vertical, water cooled diesel engine
<b>Maximum output at crankshaft</b>	* 353 kW (480 mhp) / 3300 rpm
<b>Continuous rating output at crankshaft</b>	321 kW (436 mhp) / 3198 rpm
<b>Displacement</b>	5.813 L (354 cu in)
<b>Bore x stroke</b>	106 mm x 110 mm (4.17 in x 4.33 in)
<b>Cylinders</b>	6 in line
<b>Combustion system</b>	Direct injection
<b>Aspiration</b>	Turbocharged with seawater cooled intercooler
<b>Starting system</b>	Electrical starting 12V - 3kW
<b>Alternator</b>	12V - 80A
<b>Cooling system</b>	Fresh water cooling by centrifugal fresh water pump and rubber impeller seawater pump
<b>Lubrication system</b>	Enclosed, forced lubricating system
<b>Direction of rotation (crankshaft)</b>	Counter clockwise viewed from flywheel side
<b>Dry weight without gear</b>	640 kg (1411 lbs)
<b>Environmental</b>	EU RCD, US EPA Tier2, BSO II, EMC & EPA/IMO
<b>Engine mounting</b>	Rubber type flexible mounts

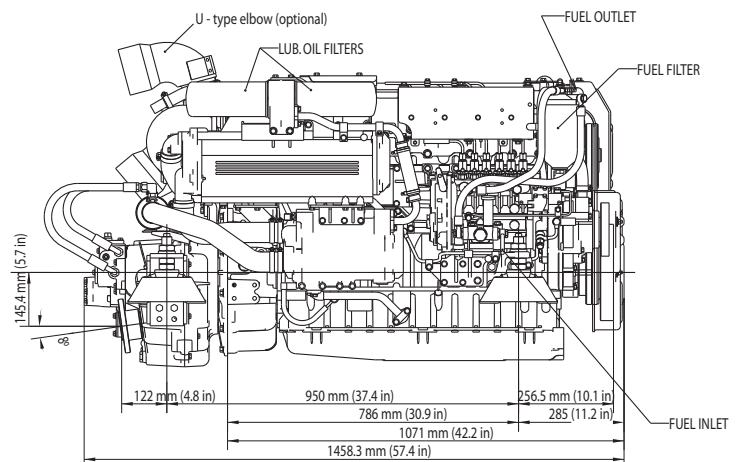
NOTE: Fuel condition: Density at 15°C = 0.86 g/cm<sup>3</sup>; 1kW = 1.3596 mhp = 1.3410 HP  
 \* Fuel temperature 40°C at the inlet of the fuel injection pump (ISO 8665)  
 Technical data is according to ISO 8665 / 3046

**Dimensions** (For detailed line-drawings, please refer to our web-site: [www.yanmarmarine.com](http://www.yanmarmarine.com) or contact your supplier)

## Front view

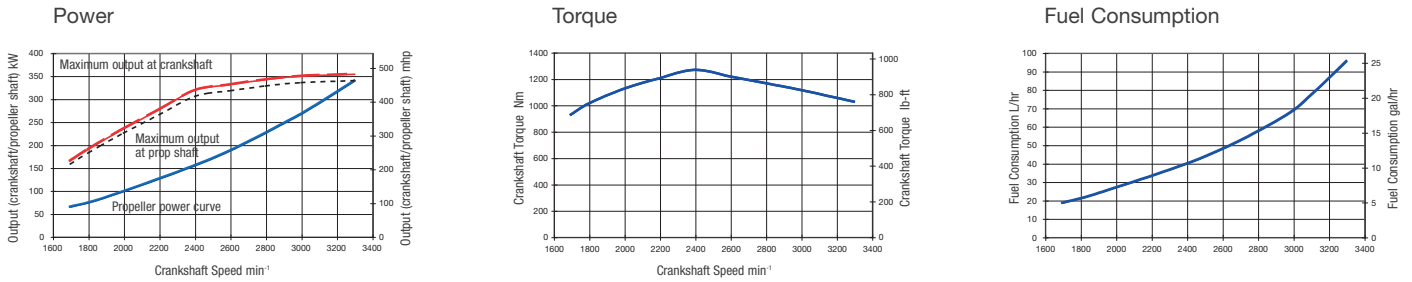


## Right side view



6LY3-ETP with Yanmar KMH61A marine gear

## Performance Curves (Output is according ISO 8665)



## Marine gear (example) \*\*

Model	KMH61A			ZF85A		
Type	Hydraulically actuated multi-disc clutch			Hydraulically actuated multi-disc clutch		
Dry weight	78 kg (172 lbs)			90 kg (198 lbs)		
Reduction ratio (fwd/asn)	1.55/1.55	2.04/2.04	2.43/2.43	1.57/1.57	1.96/1.96	2.50/2.50
Propeller speed (fwd/asn)	2129/2129	1618/1618	1358/1358	2102/2102	1684/1684	1320/1320
Direction of rotation (propeller shaft - fwd)	Clockwise & counter clockwise viewed from flywheel side			Clockwise & counter clockwise viewed from flywheel side		
Dry weight engine with gear	718 kg (1583 lbs)			730 kg (1609 lbs)		
Length engine with gear	1357 mm (53 in)			1373 mm (54 in)		

\*\* Other marine gearboxes and configurations available upon request. Contact your local supplier for more information.

## Instrument Panels

Various Control heads



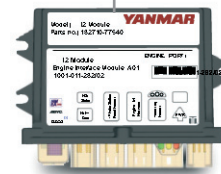
Multi function LCD display



CAN Bus system

Multi function LCD display:

- engine information
- maintenance information
- diagnosis messages



Engine ECU Interface

## Engine Accessories

### Standard Engine Package

- Alternator 12V- 80A
- Exhaust elbow (L-type)
- Air heater

### Optional Engine Package

- Fuel / water separator
- Exhaust elbow, U-type
- Lub oil evacuation pump
- Remote oil filter opposite side
- Air vent for coolant tank
- Flexible mounts

## Electronic Control System

### Standard Electronic Control System

- CANBUS-NMEA 2000 electronic control system
- Ignition panel with rocker switches
- Multi-function LCD display
- Electronic control head

### Optional Electronic Control system

- Second station kit for Flybridge
- Ignition panel with Keyswitch
- Extension wire harnesses
- Various control heads
- Trolling mode kit