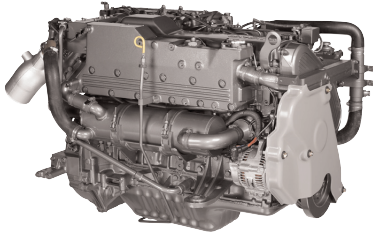


# Yanmar type 6LPA-STP2



<b>Configuration</b>	4-stroke, vertical, water cooled diesel engine
<b>Maximum output at crankshaft</b>	* 232 kW (315 mhp) / 3800 rpm ** 225 kW (306 mhp) / 3800 rpm
<b>Continuous rating output at crankshaft</b>	211 kW (286.4 mhp) / 3682 rpm
<b>Displacement</b>	4.164 L (254 cu in)
<b>Bore x stroke</b>	94 mm x 100 mm (3.70 in x 3.94 in)
<b>Cylinders</b>	6 in line cylinders, 4-valves per cylinder
<b>Combustion system</b>	Direct injection
<b>Aspiration</b>	Turbocharged with intercooler
<b>Starting system</b>	Electrical starting 12 V - 2.5 kW
<b>Alternator</b>	12 V - 80 A
<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>	408 kg (899 lbs)
<b>Environmental</b>	EU RCD, US EPA Tier2, BSO II & EMC
<b>Engine mounting</b>	Rubber type flexible mounting

NOTE: Fuel condition: Density at 15°C = 0.86 g/cm<sup>3</sup>; 1kW = 1.3596 mhp = 1.3410 HP

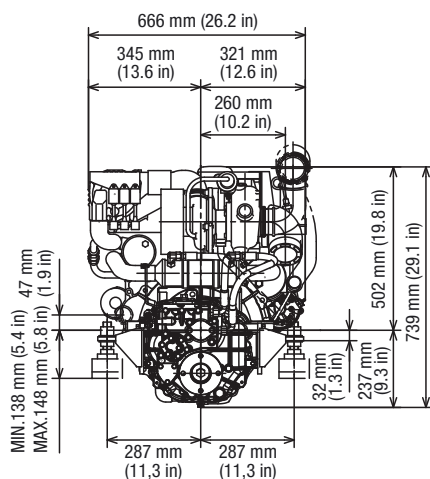
\* Fuel temperature 25°C at the inlet of the fuel injection pump (ISO 3046-1)

\*\* Fuel temperature 40°C at the inlet of the fuel injection pump (ISO 8665)

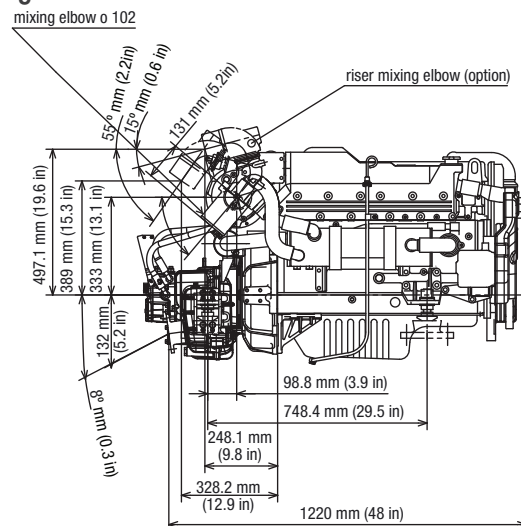
Technical data is according to ISO 8665 / 3046

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

## Rear view

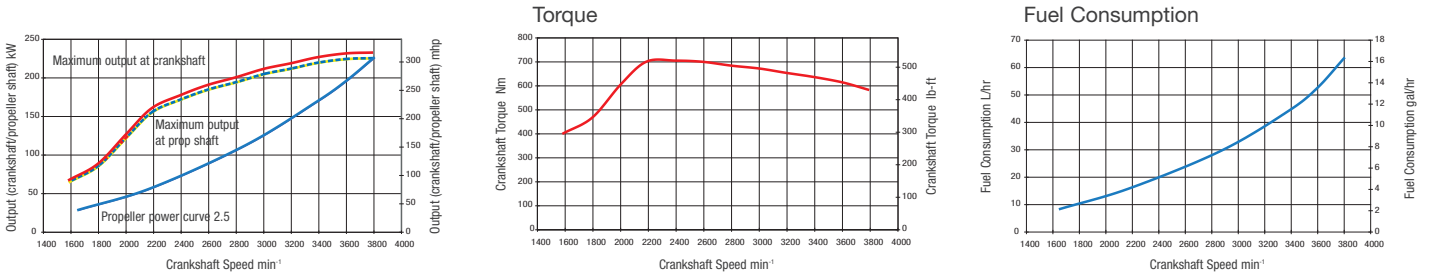


## Right side view



6LPA-STP2  
KM50A marine gear

Performance Curves (Output is according ISO 8665)



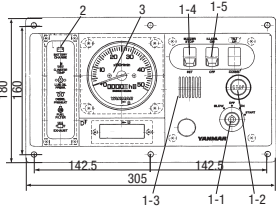
Marine gear (example) \*\*\*

Model	KMH50A			ZF63A			
Type	8° down hydraulic			8° down hydraulic			
Dry weight	43 kg (95 lbs)			44 kg (97 lbs)			
Reduction ratio (fwd/asn)	1.67/1.67	2.13/2.13	2.43/2.43	1.22/1.21	1.56/1.58	2.04/2.10	2.52/2.53
Propeller speed (fwd/asn)	2275	1784	1564	3115/3140	2436/2405	1863/1810	1429/1423
Direction of rotation (propeller shaft - fwd)	Counter clockwise viewed from flywheel side			Counter clockwise viewed from flywheel side			
Dry weight engine and gear/drive	449 kg (990 lbs)			452 kg (996 lbs)			
Length engine and gear/drive	1190 mm (46.9 in)			1205 mm (47.4 in)			

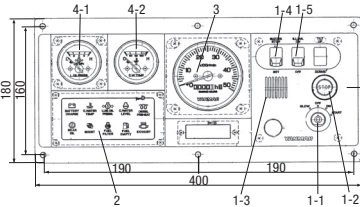
\*\*\* Gear also available in; ZF63 (Parallel) reduction ratio: 1.51 & 1.93; ZF63IV (V-drive) reduction ratio: 1.29, 1.56 & 2.00  
 \*\*\* Other marine gearboxes and configurations available upon request. Contact your local supplier for more information.

Instrument Panels

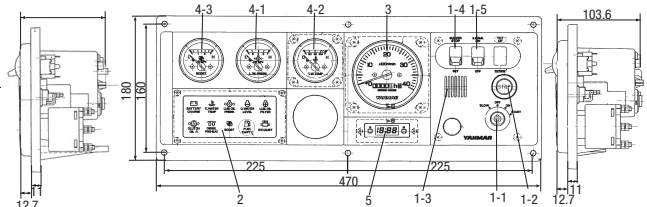
New B-type Panel



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
<b>① Switch unit</b>			
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
<b>② Alarm lamp unit</b>			
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
<b>③ Tachometer with hour meter</b>	O	O	O
<b>④ Sub meter unit</b>			
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
<b>⑤ Quartz clock</b>	X	X	O

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

Accessories

Standard Package

- Sensor for instrument panel (New B, C and D-type)
- Exhaust/water mixing elbow (L-type)
- Cooling water hoses
- Fuel water separator (integrated with fuel filter)
- Alternator 12 V - 80 A

Optional

- Flexible mounts (2 pcs)
- Exhaust mixing elbow, U-type (high riser)
- Analog instrument panels (New B,C and D-type)
- Dual station Y harness
- Sensor for VDO instrument panels
- Control heads
- Various Wire Harnesses (4, 6, 10M)
- Lub oil evacuation pump
- Control heads
- Air venting device for cooling water tank
- VDO instrumentation for main panel and fly bridge
- Dipstick for opposite side

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

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