

**6LYA-STP Series**

Configuration	4-stroke, vertical, water-cooled diesel engine	
Maximum output at crankshaft	* 272 kW@3300 rpm	[370 mhp@3300 rpm]
	** 264 kW@3300 rpm	[359 mhp@3300 rpm]
Displacement	5.184 ltr	[316 cu in]
Bore x stroke	100 mm x 110 mm	[3.94 in x 4.33 in]
Cylinders	6 in line	
Combustion system	Direct injection	
Aspiration	Turbocharged with watercooled turbine housing	
Starting system	Electric starting 12V - 2.5 kW	
Alternator	12V - 80A	
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]	Counterclockwise viewed from stern	
Dry weight without gear	530 kg	[1168 lbs]
Environmental	EU: RCD	EMC
Engine mounting	Rubber type flexible mounts	

NOTE:

Fuel condition: Density at 15°C = 0.842 g/cm<sup>3</sup>; 1 mhp = 1 PS = 0.7355 kW = 0.9863 bhp

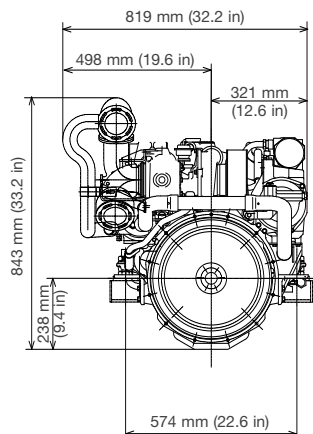
\* Fuel temperature 25°C at the inlet of the fuel injection pump [ISO 3046-1]

\*\* Fuel temperature 40°C at the inlet of the fuel injection pump [ISO 8665: 2006]

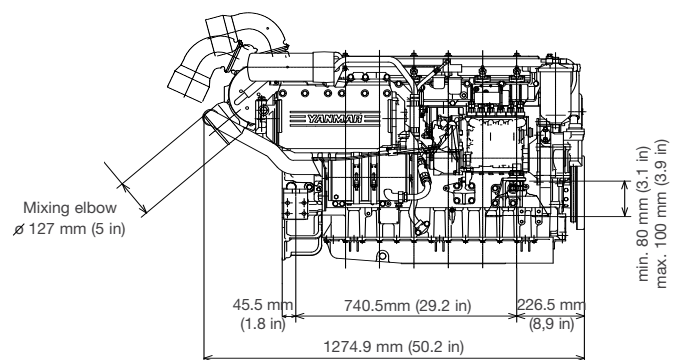
Technical data is according to ISO 8665: 2006/3046-1

DIMENSIONS

Rear view

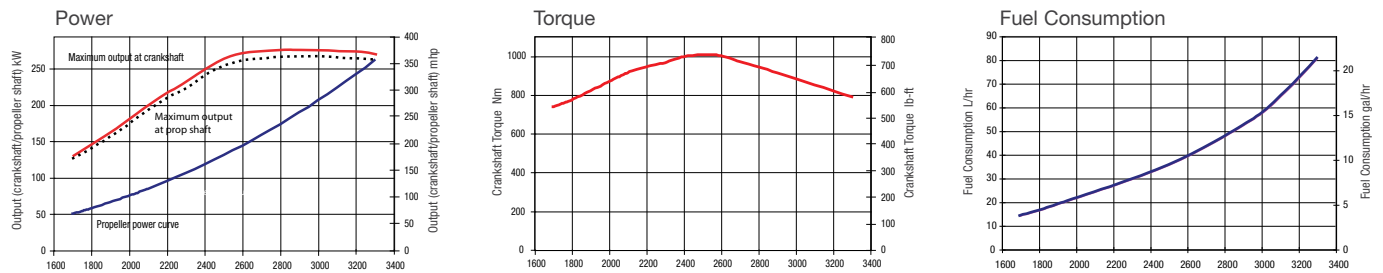


Right side view



6LYA-STP w/o marine gear

## PERFORMANCE CURVES



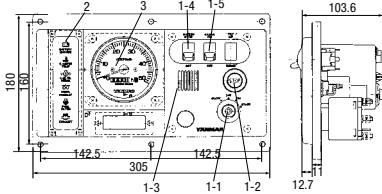
## MARINE GEARS / DRIVE

Model	ZF80-1A: 8° Angle			MG5050A: 10° Angle			KMH60A		
Type	Wet and multi-disc clutch			Wet and multi-disc clutch			Hydraulically actuated multi-disc clutch		
Dry Weight	64 kg [141 lbs]			80 kg [176 lbs]			58 kg [128 lbs]		
Reduction Ratio [fwd/asn]	1.20/1.20	1.41/1.41	1.57/1.57	2.00/2.00	2.50/2.50	2.85/2.85	1.55/1.55	2.04/2.04	2.55/2.55
Propeller speed [fwd/asn]	2583/2583	2199/2199	1975/1975	1550/1550	1240/1240	1088/1088	2000/2000	1520/1520	1216/1216
Direction of rotation [propeller shaft - fwd]	Clockwise & Counterclockwise viewed from stern			Clockwise & Counterclockwise viewed from stern			Clockwise & Counterclockwise viewed from stern		
Dry weight engine and gear/drive	594 kg [1310 lbs]			610 kg [1345 lbs]			588 kg [1296 lbs]		
Length engine and gear/drive	1556 mm [61 in]			1556 mm [61 in]			1556 mm [61 in]		

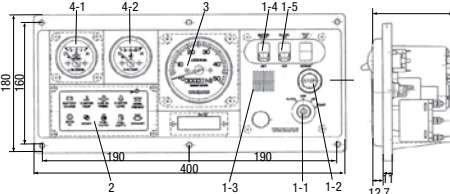
\* Other marine gearboxes and configurations available upon request. Contact your local supplier for more information.

## INSTRUMENT PANELS

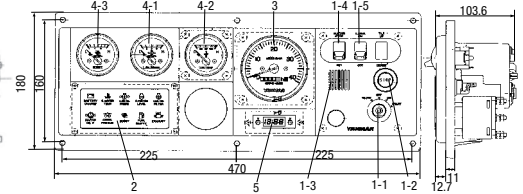
### New B-type Panel



### New C-type Panel



### New D-type Panel



Function	TYPE OF INSTRUMENT PANEL		
	DIGITAL B-TYPE PANEL	NEW C-TYPE PANEL	NEW D-TYPE PANEL
<b>1-Switch unit</b>			
1-1 Key switch [starter switch]	Equipped on panel	Equipped on panel	Equipped on panel
1-2 Engine stop switch	Equipped on panel	Equipped on panel	Equipped on panel
1-3 Alarm buzzer [C.W. temp., L.O. pressure]	Equipped on panel	Equipped on panel	Equipped on panel
1-4 Alarm buzzer stop switch	Equipped on panel	Equipped on panel	Equipped on panel
1-5 Illumination switch for meters	Equipped on panel	Equipped on panel	Equipped on panel
<b>2-Alarm lamp unit</b>			
2-1 Battery not charging	Equipped on panel	Equipped on panel	Equipped on panel
2-2 C.W. high temperature	Equipped on panel	Equipped on panel	Equipped on panel
2-3 L.O. low pressure	Equipped on panel	Equipped on panel	Equipped on panel
2-4 Sea water flow	Equipped on panel	Equipped on panel	Equipped on panel
2-5 C.W. level for fresh water tank	Equipped on panel	Equipped on panel	Equipped on panel
2-6 Boost pressure high	Equipped on panel	Equipped on panel	Equipped on panel
<b>3-Tachometer with hour meter</b>	Equipped on panel	Equipped on panel	Equipped on panel
<b>4-Sub meter unit</b>			
4-1 L.O. pressure meter	Not equipped on panel	Equipped on panel	Equipped on panel
4-2 C.W. temperature meter	Not equipped on panel	Equipped on panel	Equipped on panel
4-3 Boost meter [turbo]	Not equipped on panel	Not equipped on panel	Equipped on panel
<b>5 Quartz clock</b>	Not equipped on panel	Not equipped on panel	Equipped on panel

## ACCESORIES

### Standard engine package

- Sensor for various panels
- Exhaust/water mixing elbow [L-type]
- Alternator 12V - 80A

### Optional accesories:

- Flexible mounts
- Fuel water separator
- High-riser/water mixing elbow [instead of L-elbow]
- Sensor for VDO instrument panels
- Analog and digital [new B-type, new C-type and new D-type] instrument panels
- Control heads
- Lub oil evacuation pump
- Dipstick for opposite side

NOTE: All data subject to change without notice. Text and illustrations are not binding.