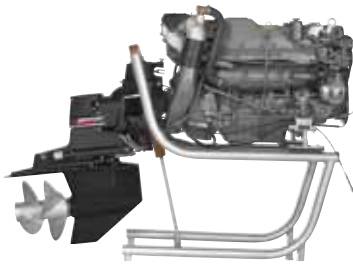


# Yanmar type 6LPA-STZP

## The Powerful Gem



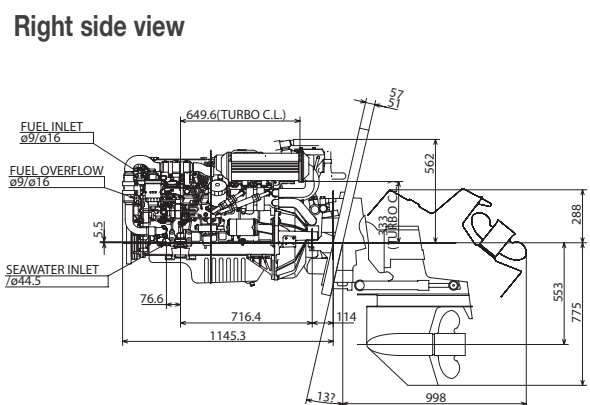
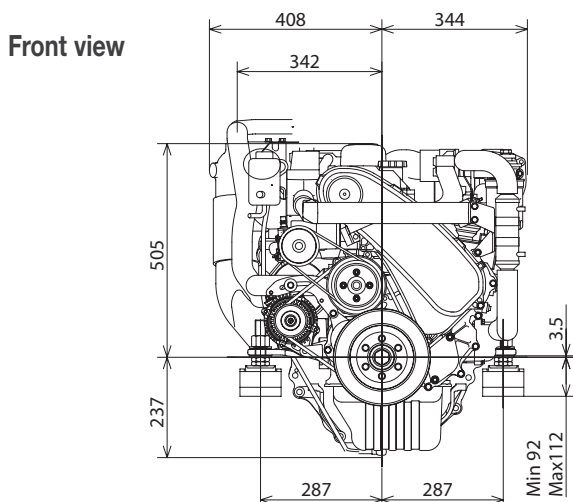
<b>Configuration</b>	4-stroke, vertical, water cooled diesel engine
<b>Maximum output at crankshaft</b>	* 232 kW (315 hp) / 3800 rpm ** 222 kW (301 hp) / 3800 rpm
<b>Continuous rating output at crankshaft</b>	188 kW (255 hp) / 3600 rpm
<b>Displacement</b>	4.164 L (254 cu in)
<b>Bore x stroke</b>	94 mm x 100 mm (3.70 in x 3.94 in)
<b>Cylinders</b>	6 in line
<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 stern
<b>Dry weight without sterndrive</b>	428 kg (944 lbs)
<b>Environmental</b>	BSO II, IMO, EMC and RCD compliant
<b>Engine mounting</b>	Rubber type flexible mounting

NOTE: Fuel condition: Density at 15°C = 0.842g/cm³; 1 mhp = 1PS = 0.7355 kW = 0.9863 bhp

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

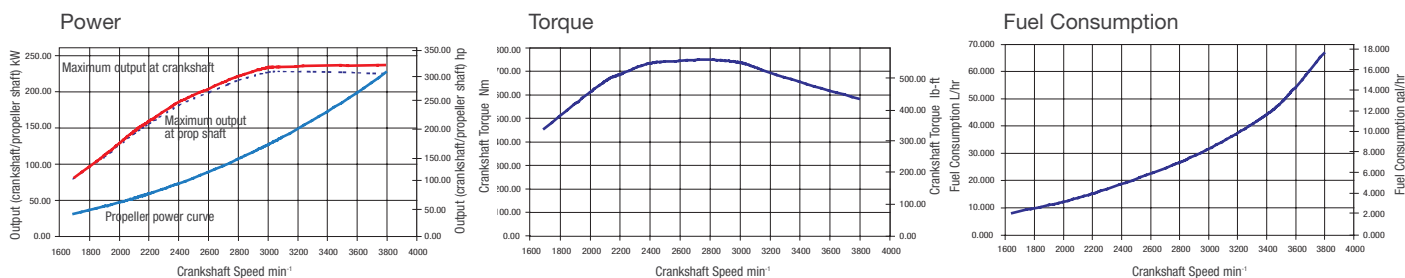
\*\* Fuel temperature 40°C at the inlet of the fuel injection pump (ISO 8665)

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



6LPA-STZP w/ Bravo2 Sterndrive

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



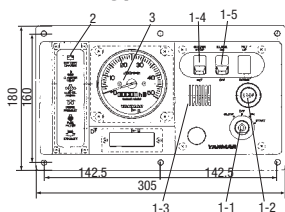
## Yanmar & Mercruiser Sterndrive set Engine

Model	Mercruiser Bravo Sterndrive series									
	Bravo X-1		Bravo X-2				Bravo X-3			
Type	Bravo X-1		Bravo X-2				Bravo X-3			
Dry weight	88 kg (184 lbs)		94 kg (207 lbs)				98 kg (216 lbs)			
Reduction ratio (fwd/asn)	1,36/1,36	1,50/1,50	1,50/1,50	1,65/1,65	1,81/1,81	2,00/2,00	1,36/1,36	1,50/1,50	1,65/1,65	1,81/1,81
Propeller speed (fwd/asn)	2647/2647	2400/2400	2400/2400	2182/2182	1989/1989	1800/1800	2647/2647	2400/2400	2182/2182	1989/1989
Direction of rotation (propeller shaft - fwd)	Clockwise & counter clockwise viewed from stern		Clockwise & counter clockwise viewed from stern				Clockwise & counter clockwise viewed from stern			
Dry weight engine and sterndrive	516 kg (1138 lbs)		522 kg (1151 lbs)				526 kg (1160 lbs)			
Length engine and sterndrive	2143 mm (84 in)		2230 mm (88 in)				2249 mm (89 in)			

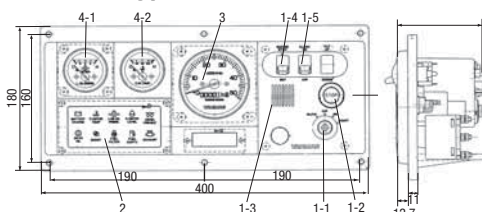
1. Inner and outer transome surface must be parallel within 3mm in area covered by transome plates and remain within transome thickness limits.
2. Dwg. shows mounting blocks at compressed height of approximately 4mm.
3. Transome angle: 13° to 16°

## Instrument Panels

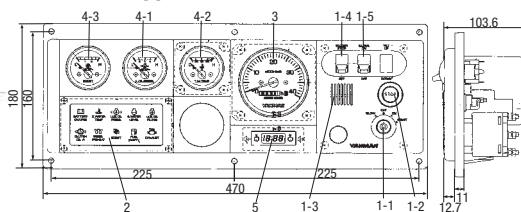
### New B-type Panel



### 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	X	O	O
<b>③ Tachometer with hour meter</b>	O	O	O
<b>④ Sub meter unit</b>	X		
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 New B-type, New C-type or New D-type instrument panel
- Exhaust/water mixing elbow U-type (high riser)
- Cooling water hoses
- Alternator 12 V - 80 A

- Flexible mounts
- Fuel water separator (integrated with fuel filter)

### Optional

- Analog (New B-type, New C-type and New D-type) instrument panels
- Dual station Y harness
- Sensor for VDO instrument panels
- Control heads

- Lub oil evacuation pump
- Dipstick for Oppiste side

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