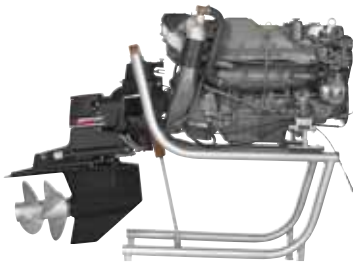


Yanmar type 6LPA-DTZP

The Powerful Gem



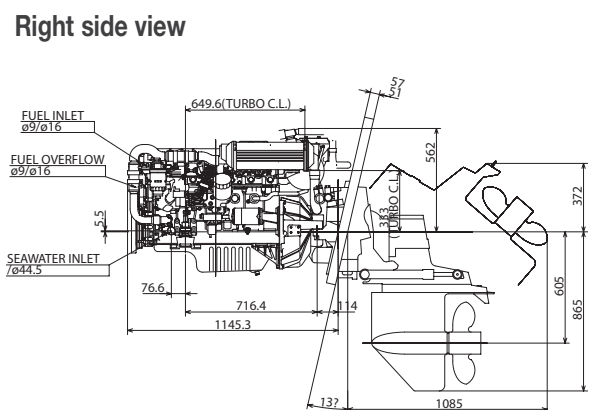
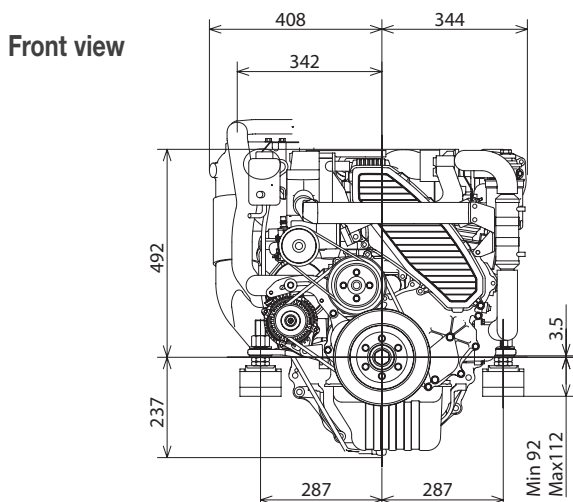
Configuration	4-stroke, vertical, water cooled diesel engine
Maximum output at crankshaft	* 191 kW (260 hp) / 3800 rpm ** 182 kW (248 hp) / 3800 rpm
Continuous rating output at crankshaft	154 kW (210 hp) / 3600 rpm
Displacement	4.164 L (254 cu in)
Bore x stroke	94 mm x 100 mm (3.70 in x 3.94 in)
Cylinders	6 in line
Combustion system	Direct injection
Aspiration	Turbocharged with intercooler
Starting system	Electrical starting 12 V - 2.5 kW
Alternator	12 V - 80 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	400 kg (882 lbs)
Environmental	BSO II, IMO, EMC and RCD compliant
Engine mounting	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)

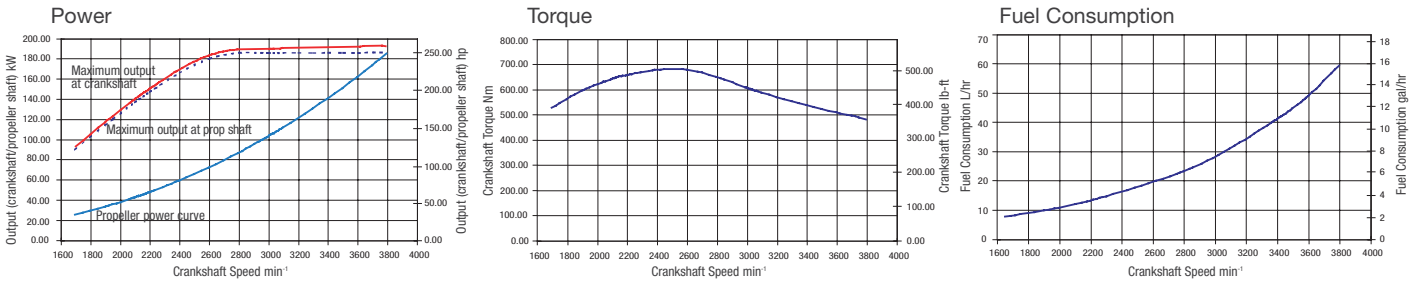
** Fuel temperature 40°C at the inlet of the fuel injection pump (ISO 8665)

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



6LPA-DTZP w/ Bravo2 Sterndrive

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



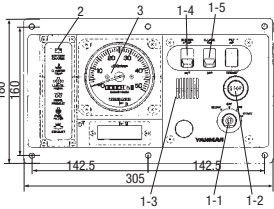
Yanmar & Mercruiser Sterndrive set Engine

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	1,65/1,65	1,50/1,50	1,65/1,65	1,81/1,81	2,00/2,00	2,20/2,20	1,36/1,36	1,50/1,50	1,65/1,65	1,81/1,81	2,00/2,00
Propeller speed (fwd/asn)	2647/2647	2400/2400	2182/2182	2400/2400	2182/2182	1989/1989	1800/1800	1636/1636	2647/2647	2400/2400	2182/2182	1989/1989	1800/1800
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	488 kg (1076 lbs)			494 kg (1089 lbs)				498 kg (1089 lbs)					
Length engine and sterndrive	2143 mm (84 in)			2230 mm (88 in)				2249 mm (89 in)					

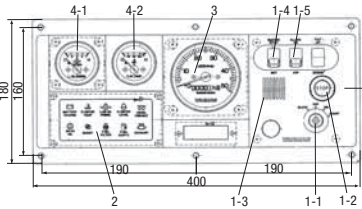
1. Inner and outer transome surface must be parallel within 3mm in area covered by transome plates and remain within transome thickness limits.
2. Dwg. shows mounting blocks at compressed height of approximately 4mm.
3. Transome angle: 13° to 16°

Instrument Panels

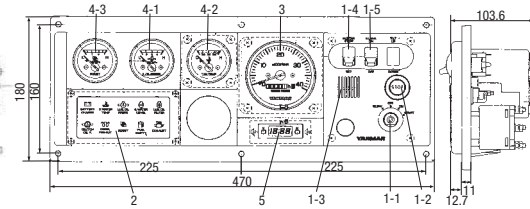
New B-type Panel



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
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	X	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 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.