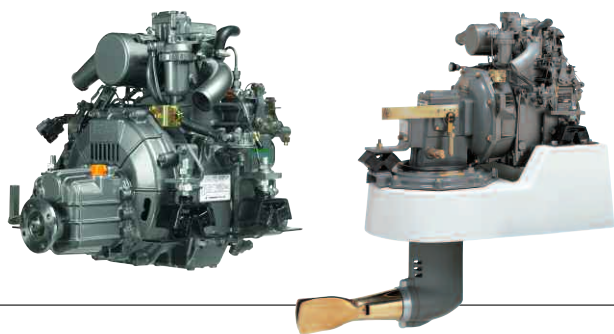


Yanmar type 1GM10

The Powerful Gem

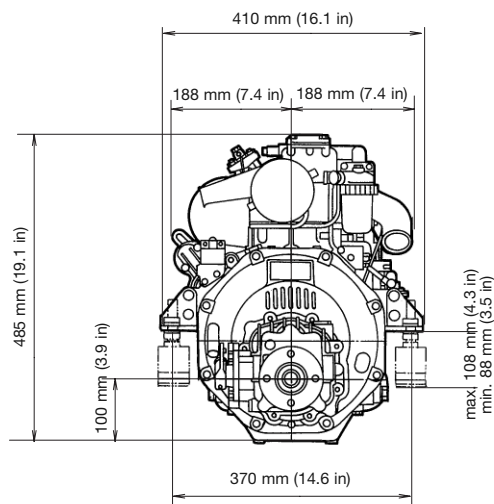


| | |
|---|--|
| Configuration | 4-stroke, vertical, raw water cooled diesel engine |
| Maximum output at crankshaft | * 6.7 kW (9 hp) / 3600 rpm ** 6.6 kW (9 hp) / 3600 rpm |
| Continuous rating output at crankshaft | 5.9 kW (8 hp) / 3400 rpm |
| Displacement | 0.318 L (19.41 cu in) |
| Bore x stroke | 75 mm x 72 mm (2.95 in x 2.83 in) |
| Cylinders | 1 |
| Combustion system | Indirect injection (special swirl type pre-combustion chamber) |
| Aspiration | Natural aspiration |
| Starting system | Electric starting 12 V - 1.0 kW with manual combination |
| Alternator | 12 V – 35 A |
| Cooling system | Direct seawater cooling by rubber impeller seawater pump |
| Lubrication system | Enclosed, forced lubricating system |
| Direction of rotation (crankshaft) | Counter clockwise viewed from stern |
| Dry weight without gear | 71 kg (156.5 lbs) |
| Environmental | EPA II, BSO II and SAV compliant |
| Engine mounting | Rubber type flexible mounting |

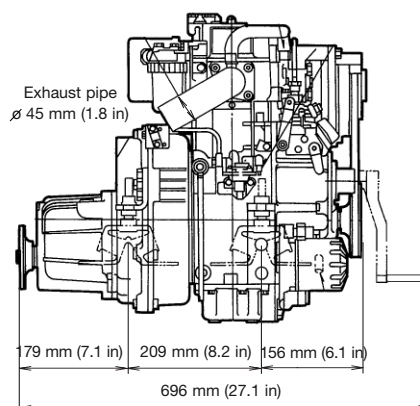
NOTE: Fuel condition: Density at 15°C = 0.842 g/cm³; 1 hp = 0.7355 kW
 * Fuel temperature 25°C at the inlet of the fuel injection pump (ISO 3046-1)
 ** Fuel temperature 40°C at the inlet of the fuel injection pump (ISO 8665)

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

Rear view

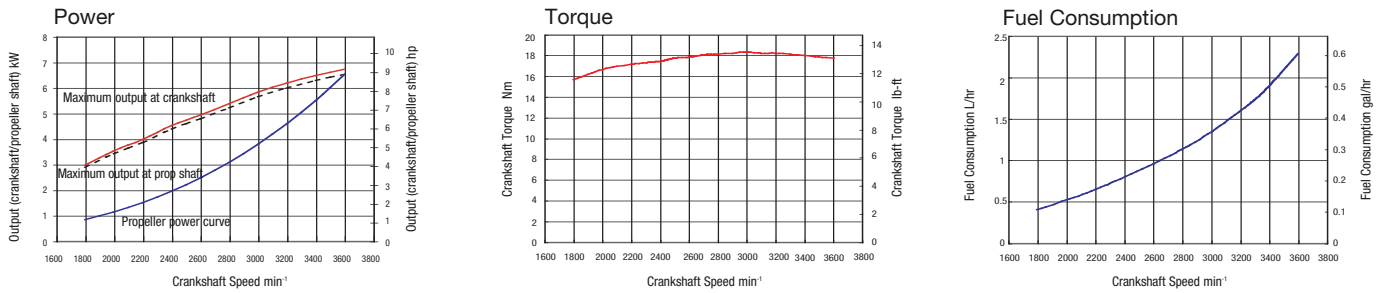


Right side view



1GM10 w/
KM2P-1 marine gear

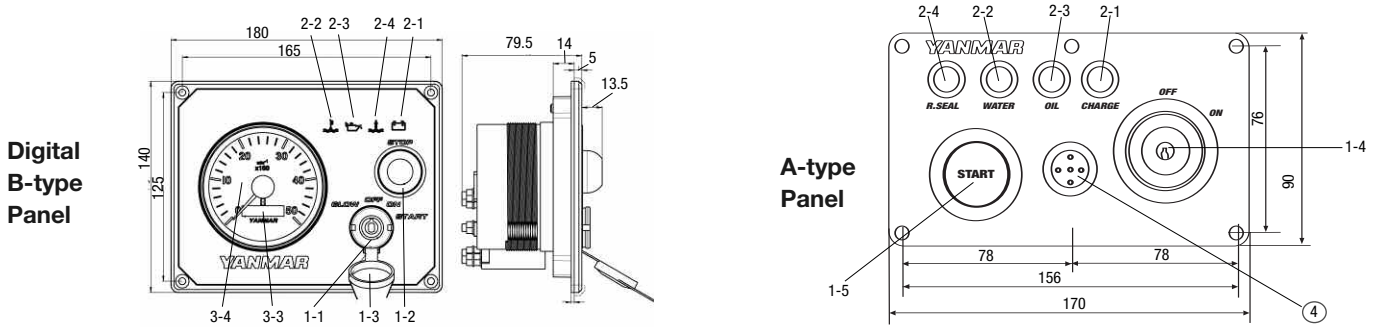
Performance Curves (Output is according ISO 8665 - Output includes +/- 3% tolerance)



Marine Gears/Drive

| Model | KM2P-1 | | | KM3V (V-drive) | | | Saildrive (SD20) |
|---|---|-----------|-----------|---|-----------|-----------|-------------------------------------|
| Type | Constant mesh gear with servo-cone clutch | | | Constant mesh gear with servo-cone clutch | | | Constant mesh gear with dog clutch |
| Dry weight | 10 kg (24 lbs) | | | 19 kg (42 lbs) | | | 30 kg (66 lbs) |
| Reduction ratio (fwd/asn) | 2.21/3.06 | 2.62/3.06 | 3.22/3.06 | 2.36/3.16 | 2.61/3.16 | 3.20/3.16 | 2.64/2.64 |
| Propeller speed (fwd/asn) | 1540 | 1298 | 1055 | 1441 | 1303 | 1063 | 1321 |
| Direction of rotation (propeller shaft - fwd) | Clockwise viewed from stern | | | Clockwise viewed from stern | | | Counter clockwise viewed from stern |
| Dry weight engine and gear/drive | 81 kg (179 lbs) | | | 90 kg (198 lbs) | | | 104 kg (229 lbs) |
| Length engine and gear/drive | 554 mm (22 in) | | | 680 mm (27 in) | | | 723 mm (29 in) |

Instrument Panels



| Function | Type of instrument panel | |
|--|--------------------------|--------------|
| | Digital B-type Panel | A-type Panel |
| ① Switch unit | | |
| 1-1 Key switch for GLOW/OFF/ON/START (4-position switch) | O | X |
| 1-2 Push button switch for engine stop | O | X |
| 1-3 Moisture cap for key switch | O | X |
| 1-4 Key switch for ON/OFF (2-position switch) | X | O |
| 1-5 Push button switch for engine start | X | O |
| ② Alarm lamp unit | | |
| 2-1 Battery low charge alarm | O | O |
| 2-2 Coolant high temperature alarm | O | O |
| 2-3 Lubricating oil low pressure | O | O |
| 2-4 Water in sail drive seal alarm | O | O |
| 2-5 Water in fuel filter alarm | X | X |
| 2-6 Sea water insufficient flow alarm | X | X |
| ③ Meters | | |
| 3-1 Lubricating oil pressure meter | X | X |
| 3-2 Coolant temperature meter | X | X |
| 3-3 Hour meter | O | X |
| 3-4 Tachometer | O | X |
| ④ Audible alarm buzzer | O | O |

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

Accessories

Standard Package

- Sensor for instrument panel
- Rubber type flexible mounting
- Exhaust/water mixing elbow (L-type)
- Alternator 35 A

Optional

- A-panel
- B-panel
- New B-panel
- Digital B-panel
- Various extension wire harnesses
- Various couplings (straights, tapers, slits)

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