



6LPA-STP2 Series

| | | | |
|------------------------------------|---|--------------------|-----|
| Configuration | 4-stroke, vertical, water-cooled diesel engine | | |
| Maximum output at crankshaft | * 232 kW@3800 rpm | [315 mhp@3800 rpm] | |
| | ** 220 kW@3800 rpm | [299 mhp@3800 rpm] | |
| Displacement | 4.164 ltr | [254 cu in] | |
| Bore x stroke | 94 mm x 100 mm | [3.7 in x 3.94 in] | |
| Cylinders | 6 in line, 4-valves per cylinder | | |
| Combustion system | Direct injection | | |
| Aspiration | Turbocharged with intercooler | | |
| 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 flywheel side | | |
| Dry weight without gear | 408 kg | [899 lbs] | |
| Environmental | EU: RCD | BSO II | EMC |
| | US: EPA Tier2 | | |
| | IMO: MARPOL 73/78 Annex VI | | |
| Engine mounting | Rubber type flexible mounting | | |

NOTE:

Fuel condition: Density at 15°C = 0.84 g/cm³; 1 kW = 1.3596 mhp = 1.3410 HP

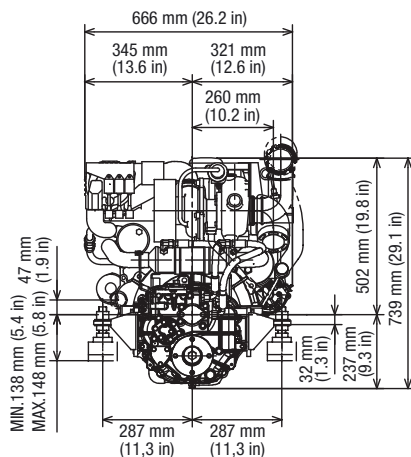
* Fuel temperature 25°C at the inlet of the fuel injection pump [ISO 3046-1]

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

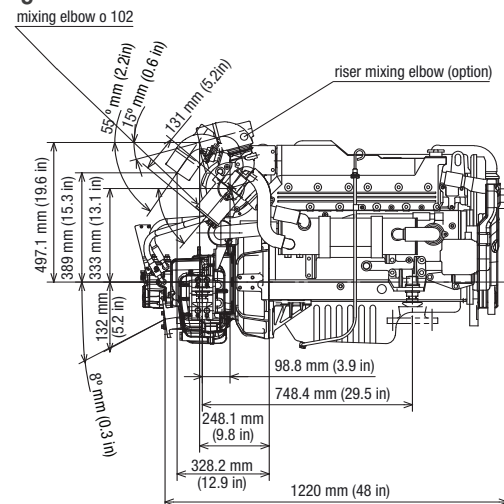
Technical data is according to ISO 8665: 2006/3046-1

DIMENSIONS

Rear view



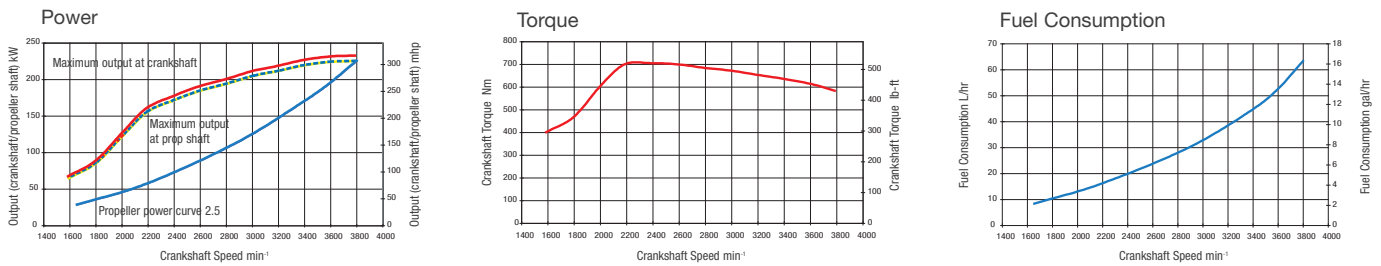
Right side view



6LPA-STP2 with KM2P-1 marine gear



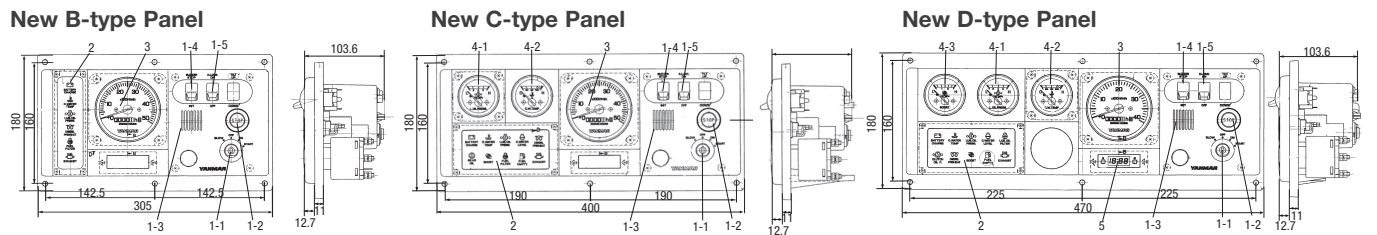
PERFORMANCE CURVES



MARINE GEARS / DRIVE

| 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] | Counterclockwise viewed from flywheel side | | | Counterclockwise 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] | | | |

INSTRUMENT PANELS



| Function | TYPE OF INSTRUMENT PANEL | | |
|--|--------------------------|-----------------------|-------------------|
| | DIGITAL 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] | 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 |
| 2-Alarm lamp unit | | | |
| 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 F.O. drain separator | Equipped on panel | Equipped on panel | Equipped on panel |
| 2-5 Sea water flow | Equipped on panel | Equipped on panel | Equipped on panel |
| 2-6 C.W. level for fresh water tank | Not equipped on panel | Equipped on panel | Equipped on panel |
| 2-7 Boost pressure high | Equipped on panel | Equipped on panel | Equipped on panel |
| 3-Tachometer with hour meter | Equipped on panel | Equipped on panel | Equipped on panel |
| 4-Sub meter unit | | | |
| 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 |
| 5 Quartz clock | Not equipped on panel | Not equipped on panel | Equipped on panel |

ACCESORIES

Standard engine 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 12V - 80A

Optional accesories

- Flexible mounts [2 pcs]
- High-riser mixing elbow [instead of L-elbow]
- Analog instrument panels [New B,C and D-type]
- Dual station Y-harness
- Sensor for VDO instrument panels
- Control heads
- Extension wire harness [4m, 6m, 10m]
- Lub oil evacuation pump
- Air venting device for cooling water tank
- VDO instrumentation for main panel and fly bridge
- Dipstick for opposite side

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