



6LPA Series - STP2 / STC

Configuration	In-line, 4-stroke, vertical, water-cooled diesel engine	
Max. output at crankshaft	* 220 kW@3800 rpm	[299 mhp@3800 rpm]
	** 232 kW@3800 rpm	[315 mhp@3800 rpm]
No. of cylinders	6 cylinder	
Displacement	4.164 L	[254 cu in]
Bore x stroke	94 mm x 100 mm	[3.7 in x 3.94 in]
Aspiration	Turbocharged & intercooled	
Combustion system	Direct, 2-Stage injection	
Starting system	Electric starting 12V - 2.5 kW	
Engine management	Mechanical	
Cooling system	Fresh water cooling by centrifugal fresh water pump	
	Seawater cooling by rubber impeller seawater pump	
Alternator	12V - 80A	
Lubrication system	Enclosed, forced lubricating system	
Engine lube oil specifications	API class: CD or higher, SAE grade: 10W-30 or 15W-40	
Direction of rotation at crankshaft	Counterclockwise viewed from stern	
Dry weight without gear	408 kg	[899 lbs]
Engine dimensions [†] L x W x H	1220 x 666 x 739 mm	
Emission compliance	EU: RCD 1 , BSO II, IMO, EMC	US: EPA Tier 2
Flywheel housing size	Borg Warner / SAE7	
Controls	Mechanical	

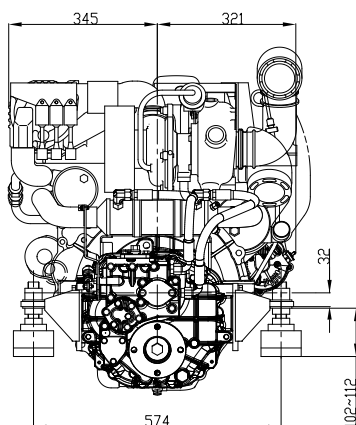
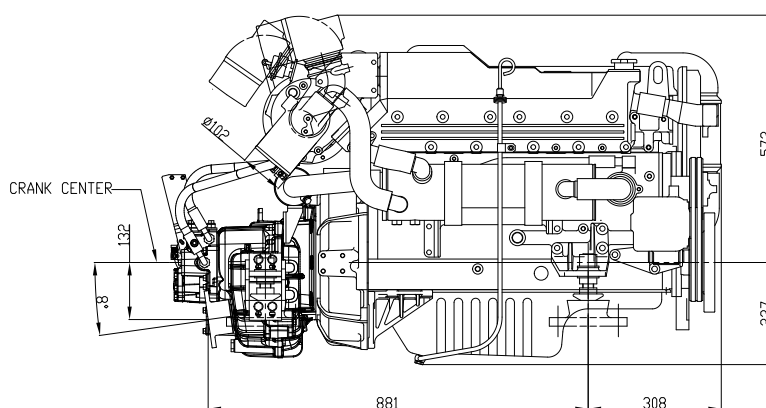
NOTE:

Fuel condition: Density at 15°C = 0.84 g/cm³; 1 kW = 1.3596 mhp = 1.3410 HP
Technical data is according to ISO 8665: 2006/3046-1

* 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]

†Length includes KMH50A-LP gearbox & high-riser elbow (Dimensions may vary with other gears/elbow)

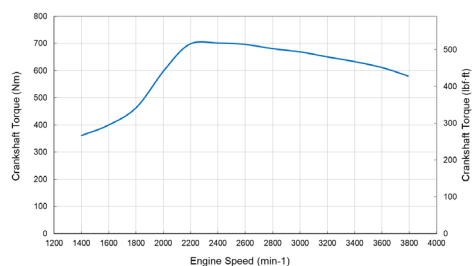
DIMENSIONS**Rear view****Right side view**

6LPA-STP2 with KMH50A marine gear
(Not to be used for engine installation)

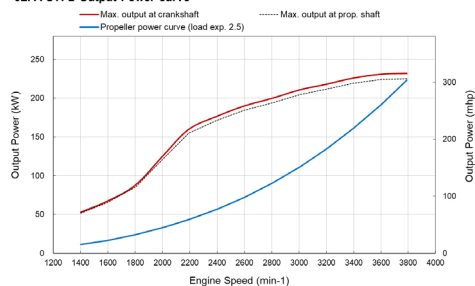


PERFORMANCE CURVES

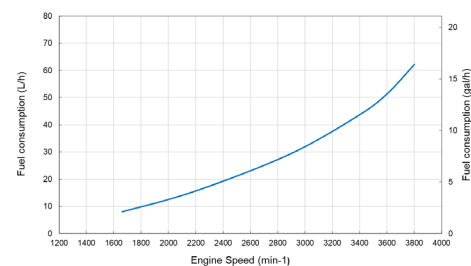
6LPA-STP2 Torque curve



6LPA-STP2 Output Power curve



6LPA-STP2 Fuel consumption (load exp. 2.5)



MARINE GEAR*

Model	KMH50A [down angle 8°]			ZF63A [down angle 8°]				KMH50V-LP [V-drive 12°]			
Clutch type	Hydraulic multi-disc			Hydraulic multi-disc				Hydraulic multi-disc			
Dry weight	51 kg [112 lbs] **			44 kg [97 lbs]				59** [130 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	1.22/1.22	1.58/1.58	2.08/2.08	2.47/2.47
Direction of rotation [viewed from stern]	Clockwise or counterclockwise			Counterclockwise				Clockwise or counterclockwise			
Lubrication system	Forced lubrication			Forced lubrication				Forced lubrication			
Lube oil specifications	API class: CF or higher, SAE grade: #30			ATF				API class: CF or higher, SAE grade: #30			
Max. lube oil capacity (L)	1.8 L			4.0 L				5.4 L			
Dry weight - engine & gear	459 kg [1012 lbs]			452 kg [996 lbs]				467 kg [1030 lbs]			

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

**Dry weight of Kanzaki marine gear with BW flange, but excludes foot, cooler & damper.

ACCESSORIES

Standard engine package

- Exhaust mixing elbow [L-type]
- Alternator 12V - 80A
- Water separator
- 3G instrument panel

Optional accessories

- High-riser mixing elbow [instead of L-elbow]
- Flexible mounts
- Extension wire harness [3m, 5m, 10m, 20m]
- Sensor for VDO instrument panels
- SOLAS including Certificate [factory fit only]
- Air venting device for cooling water tank
- Lub oil evacuation pump

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