



TECHNICAL DATA SHEETS



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FOR MORE INFORMATION, CALL OR EMAIL US DIRECTLY USING THE INFORMATION BELOW:

PHONE- 772-564-7070

EMAIL- INFO@ACEMARINEDIESEL.COM



4LHA-DTP Series

Configuration	4-stroke, vertical, water-cooled diesel engine		
Maximum output at crankshaft	* 147 kW@3300 rpm	[200 mhp@3300 rpm]	
	** 140 kW@3300 rpm	[190 mhp@3300 rpm]	
Displacement	3.455 L	[211 cu in]	
Bore x stroke	100 mm x 110 mm	[3.94 in x 4.33 in]	
Cylinders	In-line		
Combustion system	Direct injection		
Aspiration	Turbocharged with intercooler		
Starting system	Electrical starting 12V		
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 stern		
Dry weight without gear	365 kg	[805 lbs]	
Emission compliance	EU: RCD 1	BSO II	EMC
	SOLAS MED 96/98/EC		
Engine mounting	Rubber type flexible mounting		

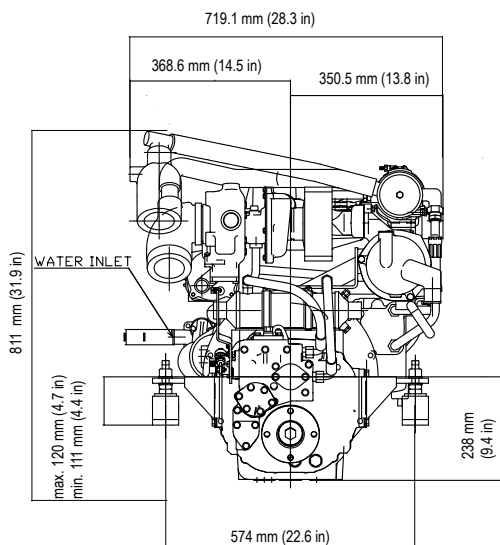
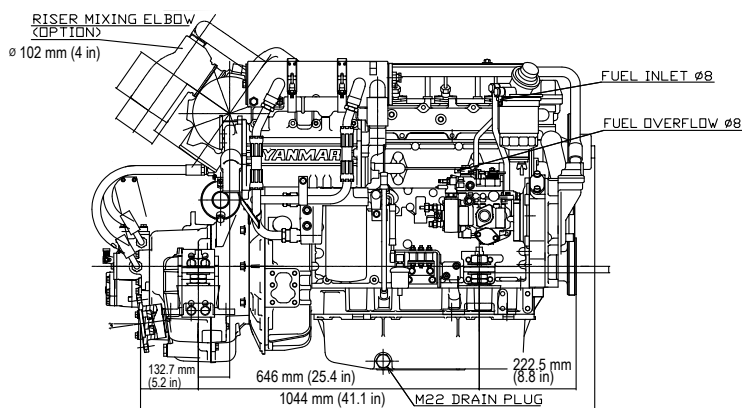
NOTE:

Fuel condition: Density at 15°C = 0.842 g/cm³; 1 mhp = 1 ps = 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: 2006]

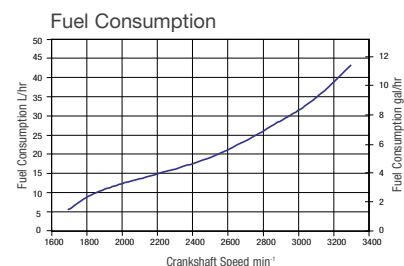
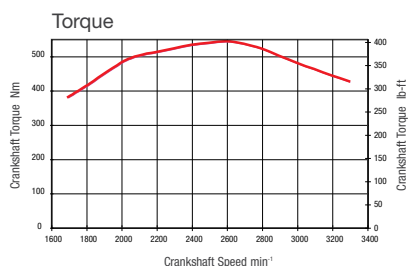
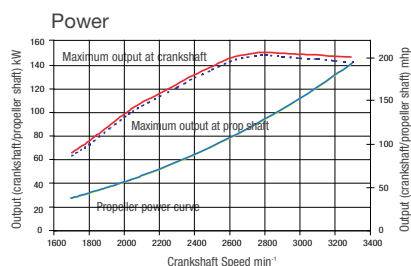
Technical data is according to ISO 8665: 2006/3046-1

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

4LHA-DTP with KMH50A marine gear



PERFORMANCE CURVES (Output is according ISO 8665 - Output includes +/- 3% tolerance)



MARINE GEARS / DRIVE*

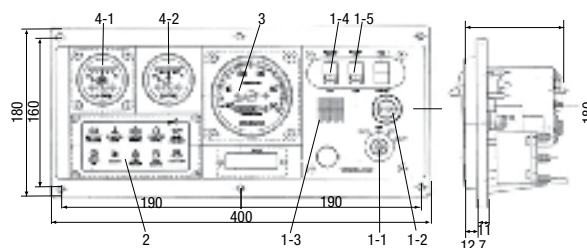
Model	KM50A [down angle 8°]				ZF63A [down angle 8°]				
Type	Hydraulically actuated multi-disc clutch				Hydraulically actuated multi-disc clutch				
Dry weight**	57,6 kg [127 lbs]				44 kg [96,8 lbs]				
Reduction Ratio [fwd/rev]	1.67/1.67	2.13/2.13	2.43/2.43		1.22/1.22	1.56/1.58	2.04/2.02	2.52/2.54	2.68/2.71
Propeller speed [fwd/rev]	1976/1976	1549/1549	1358/1358		2714/2716	2111/2085	1620/1636	1308/1301	1230/1218
Direction of rotation (viewed from stern)	Clockwise & Counterclockwise				Clockwise & Counterclockwise				
Dry weight engine and gear/drive**	422,5 kg [931 lbs]				409 kg [902 lbs]				

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

** Dry weight includes cooler, brackets and damper disk.

INSTRUMENT PANELS

New C-type Panel



TYPE OF INSTRUMENT PANEL

NEW C-TYPE PANEL

Function

1-Switch unit

- 1-1 Key switch for GLOW/OFF/ON/START [4-position switch]
- 1-2 Engine stop switch
- 1-3 Alarm buzzer [C.W. Temp., L.O. Pressure]
- 1-4 Alarm buzzer stop switch
- 1-5 Illumination switch for meters

Equipped on panel
Equipped on panel
Equipped on panel
Equipped on panel
Equipped on panel

2-Alarm lamp unit

- Battery not charging
- C.W. high temperature
- L.O. low pressure
- Boost pressure high [for 4LHA-STP]

Equipped on panel
Equipped on panel
Equipped on panel
Equipped on panel

3-Tachometer with hour meter

Equipped on panel

4-Sub meter unit

Equipped on panel

- 4-1 L.O. pressure meter
- 4-2 C.W. Temperature meter
- 4-3 Boost meter [turbo]

Equipped on panel
Equipped on panel
Not equipped on panel

5-Quartz clock

Not equipped on panel

ACCESSORIES

Standard Package

- Sensor for various panels
- Exhaust/water mixing elbow [L-type]
- Alternator 12V - 80A

Optional

- Flexible mounts
- High-riser/water mixing elbow [instead of L-elbow]
- New C-type instrument panel
- Dual station Y harness
- Dipstick for opposite side
- Air venting device for cooling water tank

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



4LHA-HTP Series

Configuration	4-stroke, vertical, water-cooled diesel engine		
Maximum output at crankshaft	* 118 kW@3300 rpm	[160 mhp@3300 rpm]	
	** 113 kW@3300 rpm	[154 mhp@3300 rpm]	
Displacement	3.455 L	[211 cu in]	
Bore x stroke	100 mm x 110 mm	[3.94 in x 4.33 in]	
Cylinders	In-line		
Combustion system	Direct injection		
Aspiration	Turbocharged with intercooler		
Starting system	Electric starting 12V - 2 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 stern		
Dry weight without gear	342 kg	[754 lbs]	
Emission compliance	EU: RCD 1	BSO II	EMC
	SOLAS MED 96/98/EC		
Engine mounting	Rubber type flexible mounting		

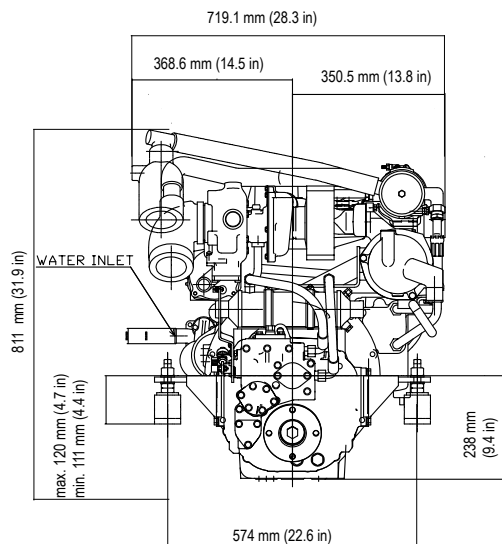
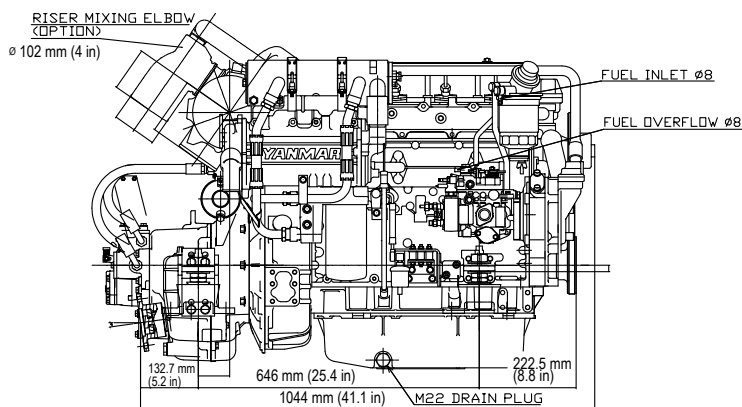
NOTE:

Fuel condition: Density at 15°C = 0.842 g/cm³; 1 mhp = 1 ps = 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: 2006]

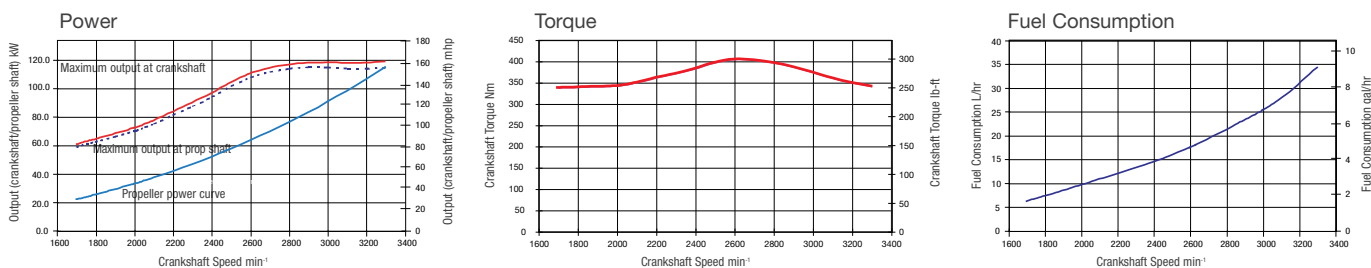
Technical data is according to ISO 8665: 2006/3046-1

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

4LHA-HTP with KMH50A marine gear



PERFORMANCE CURVES (Output is according ISO 8665 - Output includes +/- 3% tolerance)



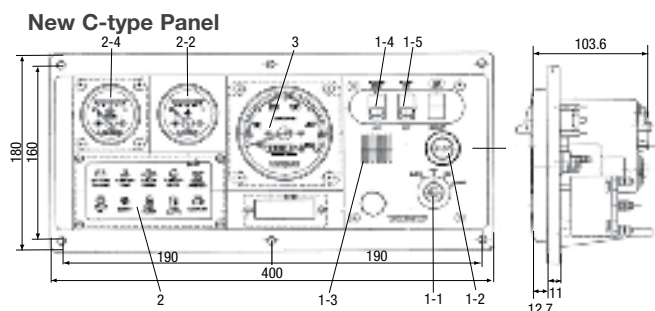
MARINE GEARS / DRIVE*

Model	KMH50A [down angle 8°]				ZF63A [down angle 8°]			
Type	Hydraulically Actuated Multi-Disc Clutch				Hydraulically Actuated Multi-Disc Clutch			
Dry weight**	57,6 kg [127 lbs]				44 kg [96,8 lbs]			
Reduction Ratio [fwd/rev]	1.67/1.67	2.13/2.13	2.43/2.43		1.26/1.26	1.51/1.51	2.03/2.03	2.44/2.44
Propeller speed [fwd/rev]	1976/1976	1549/1549	1358/1358		2627/2627	2180/2180	1622/1622	1355/1355
Direction of rotation (viewed from stern)	Clockwise & Counterclockwise				Clockwise & Counterclockwise			
Dry weight engine and gear/drive**	400 kg [881 lbs]				386 kg [851 lbs]			

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

** Dry weight includes cooler, brackets and damper disk.

INSTRUMENT PANELS



TYPE OF INSTRUMENT PANEL	
NEW C-TYPE PANEL	
Function	
1-Switch unit	
1-1 Key switch for GLOW/OFF/ON/START [4-position switch]	Equipped on panel
1-2 Push button switch for engine stop	Equipped on panel
1-3 Moisture cap for key switch	Equipped on panel
1-4 Alarm buzzer stop switch	Equipped on panel
1-5 Illumination switch for meters	Equipped on panel
2-Alarm lamp unit	
Battery not charging	Equipped on panel
C.W. high temperature	Equipped on panel
L.O. low pressure	Equipped on panel
Boost pressure high [for 4LHA-STP]	Equipped on panel
3-Tachometer with hour meter	Equipped on panel
4-Sub meter unit	Equipped on panel
4-1 L.O. pressure meter	Equipped on panel
4-2 C.W. Temperature meter	Equipped on panel
4-3 Boost meter [turbo]	Not equipped on panel
5-Quartz clock	Not equipped on panel

ACCESSORIES

Standard Package

- Sensor for various panels
- Exhaust/water mixing elbow [L-type]
- Cooling water hoses
- Alternator 12V - 80A

Optional

- Flexible mounts
- High-riser/water mixing elbow [instead of L-elbow]
- New C-type instrument panels
- Dual station Y harness
- Dipstick for opposite side
- Air venting device for cooling water tank

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



4LHA-STP Series

Configuration	4-stroke, vertical, water-cooled diesel engine		
Maximum output at crankshaft	* 177 kW@3300 rpm	[240 mhp@3300 rpm]	
	** 169 kW@3300 rpm	[230 mhp@3300 rpm]	
Displacement	3.455 L	[211 cu in]	
Bore x stroke	100 mm x 110 mm	[3.94 in x 4.33 in]	
Cylinders	In-line		
Combustion system	Direct injection		
Aspiration	Turbocharged with intercooler		
Starting system	Electrical starting 12V		
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 stern		
Dry weight without gear	365 kg	[805 lbs]	
Emission compliance	EU: RCD 1	BSO II	EMC
	SOLAS MED 96/98/EC		
Engine mounting	Rubber type flexible mounting		

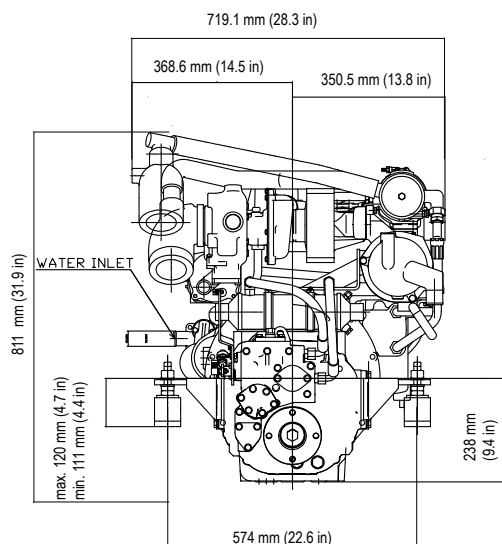
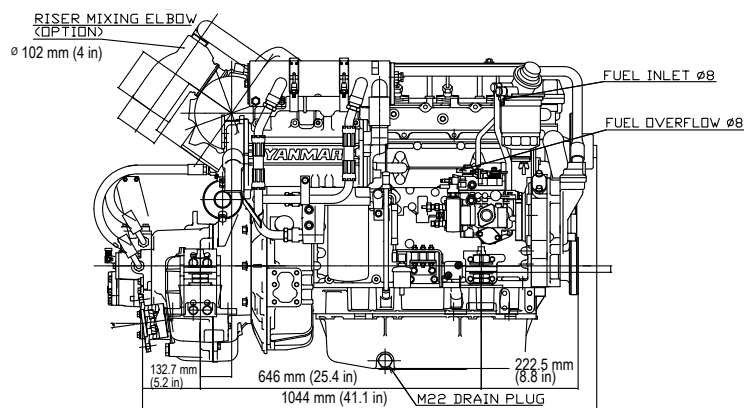
NOTE:

Fuel condition: Density at 15°C = 0.842 g/cm³; 1 mhp = 1 ps = 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: 2006]

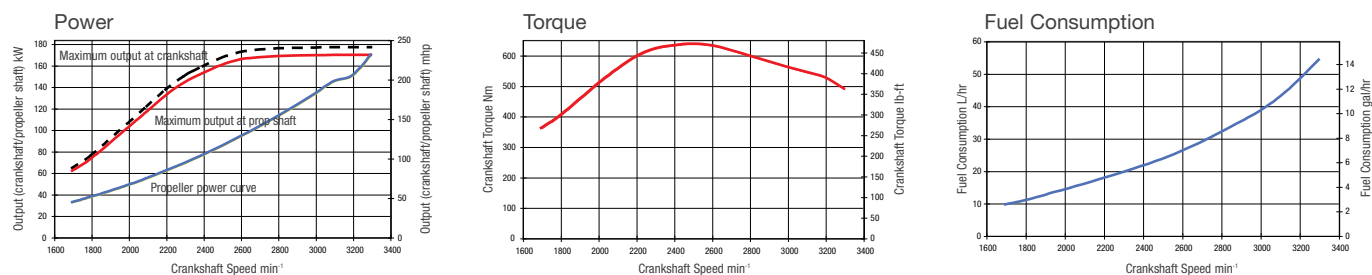
Technical data is according to ISO 8665: 2006/3046-1

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

4LHA-STP with KMH50A marine gear



PERFORMANCE CURVES (Output is according ISO 8665 - Output includes +/- 3% tolerance)



MARINE GEARS / DRIVE*

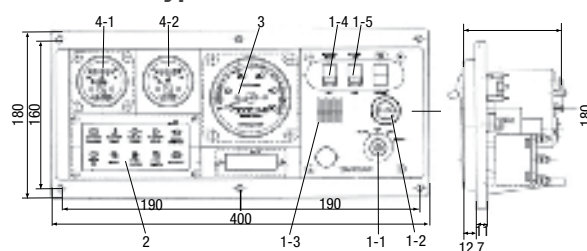
Model	KMH50A [down angle 8°]			ZF63A [down angle 8°]				
Type	Hydraulically actuated multi-disc clutch			Hydraulically actuated multi-disc clutch				
Dry weight**	57,6 kg [127 lbs]			44 kg [96,8 lbs]				
Reduction Ratio [fwd/rev]	1.67/1.67	2.13/2.13	2.43/2.43	1.22/1.22	1.56/1.58	2.04/2.02	2.52/2.54	2.68/2.71
Propeller speed [fwd/rev]	1976/1976	1549/1549	1358/1358	2714/2716	2111/2085	1620/1636	1308/1301	1230/1218
Direction of rotation (viewed from stern)	Clockwise & Counterclockwise			Clockwise & Counterclockwise				
Dry weight engine and gear/drive**	422,5 kg [931 lbs]			409 kg [902 lbs]				

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

** Dry weight includes cooler, brackets and damper disk.

INSTRUMENT PANELS

New C-type Panel



TYPE OF INSTRUMENT PANEL

DIGITAL C-TYPE PANEL

Function	
1-Switch unit	
1-1 Key switch for GLOW/OFF/ON/START [4-position switch]	Equipped on panel
1-2 Engine stop switch	Equipped on panel
1-3 Alarm buzzer [C.W. Temp., L.O. Pressure]	Equipped on panel
1-4 Alarm buzzer stop switch	Equipped on panel
1-5 Illumination switch for meters	Equipped on panel
2-Alarm lamp unit	
Battery not charging	Equipped on panel
C.W. high temperature	Equipped on panel
L.O. low pressure	Equipped on panel
Boost pressure high [for 4LHA-STP]	Equipped on panel
3-Tachometer with hour meter	Equipped on panel
4-Sub meter unit	Equipped on panel
4-1 L.O. pressure meter	Equipped on panel
4-2 C.W. Temperature meter	Equipped on panel
4-3 Boost meter [turbo]	Not equipped on panel
5-Quartz clock	Not equipped on panel

ACCESSORIES

Standard Package

- Sensor for various panels
- Exhaust/water mixing elbow [L-type]
- Alternator 12V - 80A

Optional

- Flexible mounts
- High-riser/water mixing elbow [instead of L-elbow]
- New C-type instrument panel
- Dual station Y harness
- Dipstick for opposite side
- Air venting device for cooling water tank

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



6LPA-STP2 Series

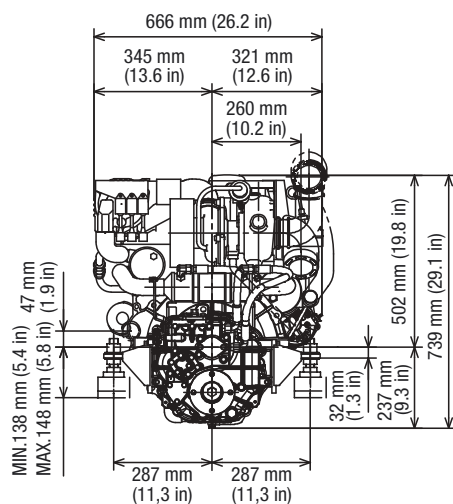
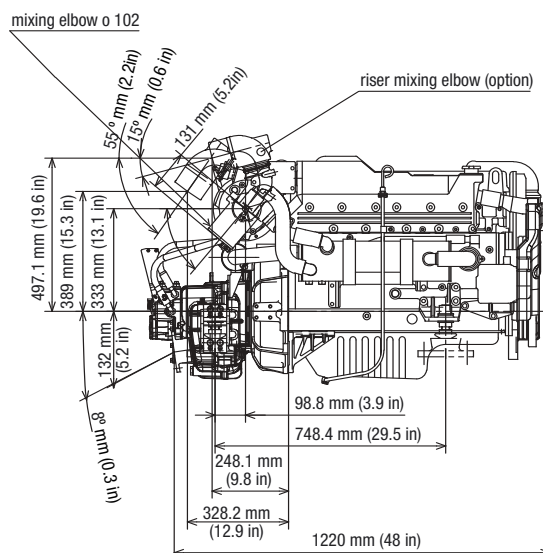
Configuration	4-stroke, vertical, water-cooled diesel engine		
Maximum output at crankshaft	* 232 kW@3800 rpm	[315 mhp@3800 rpm]	
	** 220 kW@3800 rpm	[299 mhp@3800 rpm]	
Displacement	4.164 L	[254 cu in]	
Bore x stroke	94 mm x 100 mm	[3.7 in x 3.94 in]	
Cylinders	In-line, 4 valves per cylinder		
Combustion 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 stern		
Dry weight without gear	408 kg	[899 lbs]	
Emission compliance	EU: RCD 1	BSO II	EMC
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]

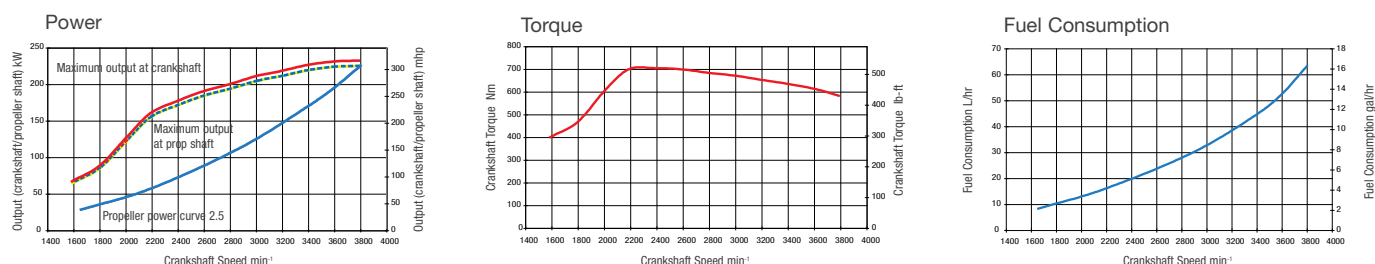
Technical data is according to ISO 8665: 2006/3046-1

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

6LPA-STP2 with KMH50A marine gear



PERFORMANCE CURVES



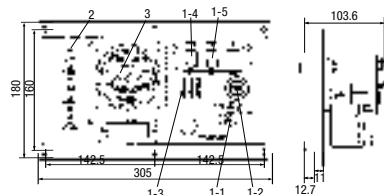
MARINE GEARS / DRIVE*

Model	KMH50A [down angle 8°]			ZF63A [down angle 8°]			
Type	Hydraulically Actuated Multi-Disc Clutch			Hydraulically Actuated Multi-Disc Clutch			
Dry weight**	51 kg [112 lbs]			44 kg [97 lbs]			
Reduction Ratio [fwd/rev]	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/rev]	2275	1784	1564	3115/3140	2436/2405	1863/1810	1429/1423
Direction of rotation (viewed from stern)	Clockwise or Counterclockwise			Counterclockwise			
Dry weight – engine & gear**	459 kg [1012 lbs]			452 kg [996 lbs]			
Length engine and gear/drive	1190 mm [46.9 in]			1205 mm [47.4 in]			

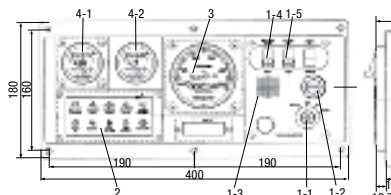
* Other marine gearboxes and configurations available upon request. Contact your local supplier for more information. ** Dry weight includes cooler, brackets and damper disk.

INSTRUMENT PANELS

New B-type Panel



New C-type Panel



New D-type Panel



TYPE OF INSTRUMENT PANEL			
Function	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

ACCESSORIES

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 accessories

- 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.



6LY2A-UTP / STP Series

	6LY2A-UTP	6LY2A-STP
Configuration	4-stroke, vertical, water-cooled diesel engine	
Maximum output at crankshaft		* 324 kW (440mhp) @3300 rpm
	** 272 kW (370mhp) @3300 rpm	** 315 kW (427mhp) @3300 rpm
Displacement	5.813 L	[354 cu in]
Bore x stroke	106 mm x 110 mm	[4.17 in x 4.33 in]
Cylinders	In-line	
Combustion system	Direct injection	
Aspiration	Turbocharged with watercooled turbine housing	
Starting system	Electric starting 12V - 3 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 stern	
Dry weight without gear	535 kg	[1179 lbs]
Emission compliance	EU: RCD 1	IMO Tier 2 EMC
Engine mounting	Rubber type flexible mounting	

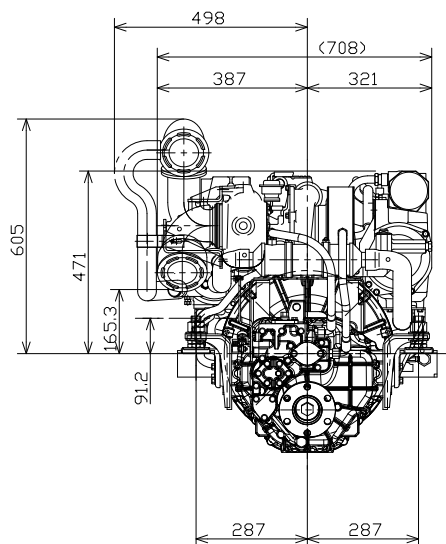
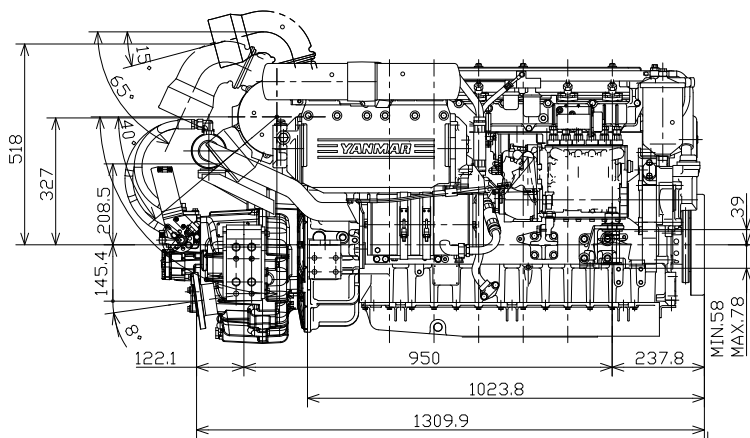
NOTE:

1 kW = 1.3596 mhp

* Fuel temperature 25°C Fuel gravity 860g/litter [ISO 3046-1], fuel density at 15°C: 860g/litter

** Fuel temperature 40°C Fuel gravity 840g/litter [ISO 8665: 2006], fuel density at 15°C: 840g/litter

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

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

6LY2A-UTP / STP (with KMH61A Marine Gearbox)



The graph shows a linear relationship between engine speed and fuel consumption. The x-axis represents engine speed in rpm, ranging from 1700 to 3500. The left y-axis represents fuel consumption in L/hr, ranging from 0.0 to 100.0. The right y-axis represents fuel consumption in gal/hr, ranging from 0 to 25. The data points are as follows:

Engine Speed (rpm)	Fuel Consumption (L/hr)	Fuel Consumption (gal/hr)
2100	20.0	5.3
2500	32.0	8.5
2700	40.0	10.7
3100	60.0	16.0
3300	76.0	20.3

The graph shows a non-linear relationship between the x-axis variable and fuel consumption. The left y-axis is in L/hr (0.0 to 100.0) and the right y-axis is in gal/hr (0.0 to 25.0). The curve starts at approximately (1600, 1.5) and rises to (3400, 25.0).

** Dry weight including cooler, brackets & damper disk.

Function	
1-Switch unit	3-Tachometer with hour meter
1-1 Key switch [starter switch]	4-Sub meter unit
1-2 Engine stop switch	4-1 L.O. pressure meter
1-3 Alarm buzzer [C.W. Temp., L.O. Pressure]	4-2 C.W. Temperature meter
1-4 Alarm buzzer stop switch	4-3 Boost meter [turbo]
1-5 Illumination switch for meters	5-Quartz clock
2-Alarm lamp unit	
2-1 Battery not charging	
2-2 C.W. high temperature	
2-3 L.O. low pressure	
2-4 Sea water flow	
2-5 C.W. level for fresh water tank	
2-6 Boost pressure high	

- Flexible mounts
- Fuel water separator
- High-riser/water mixing elbow [instead of L-elbow]
- Sensor for VDO instrument panels
- Analog [new B-type, new C-type and new D-type] instrument panels
- Control heads
- Lub oil evacuation pump
- Dipstick for opposite side
- SOLAS Kit

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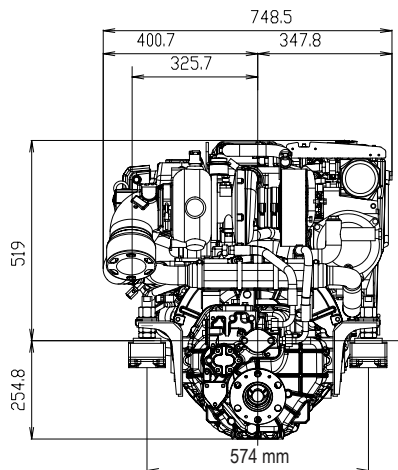
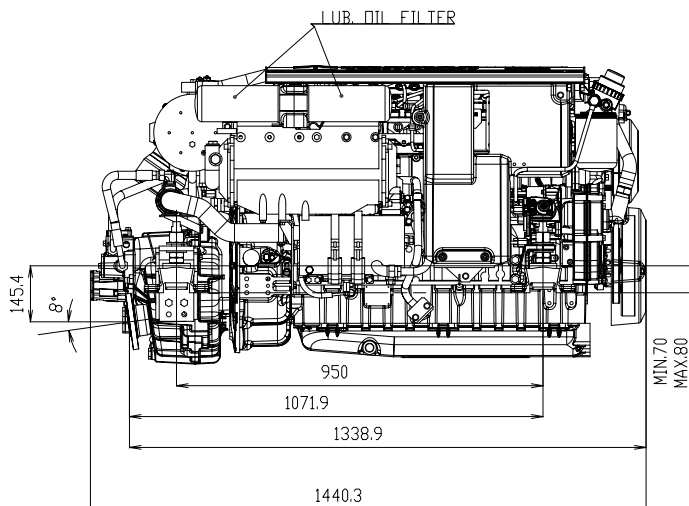
6LY400 / 6LY440

Configuration	In-line 6-cylinder, 4-stroke, vertical, water-cooled diesel engine		
Maximum output at crankshaft	*294 kW@3300 rpm	[400 mhp]@3300 rpm	
	*324 kW@3300 rpm	[440 mhp]@3300 rpm	
Displacement	5.813 L	[354 cu in]	
Bore x stroke	106 mm x 110 mm	[4.17 in x 4.33 in]	
Combustion system	Direct Injection with Denso Common-Rail system		
Aspiration	Turbocharged with watercooled turbine housing		
Starting system	Electric starting 12V - 2.5 kW		
Alternator	12V - 125A		
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 stern		
Dry weight without gear	585 kg	[1290 lbs]	
Emission compliance	EU: RCD 2	IMO/GL	EMC
	US: EPA Tier 3		
Engine mounting	Rubber type flexible mounting		

NOTE:

Fuel condition: Density at 15°C = 0.842 g/cm³; 1HP = 0.7355 kW

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

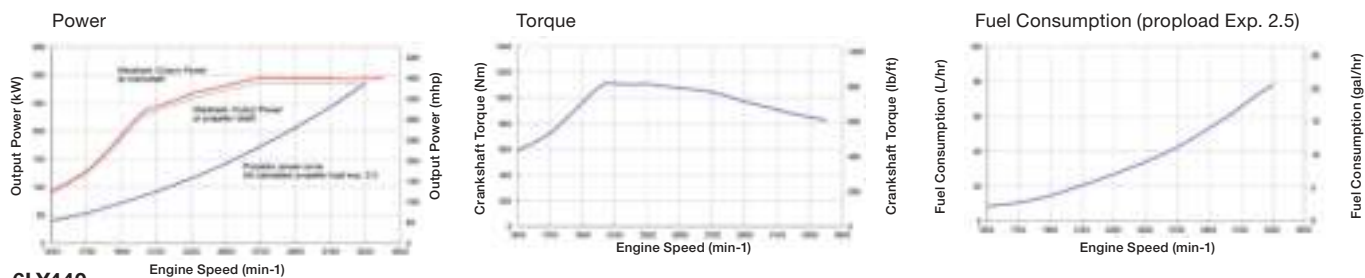
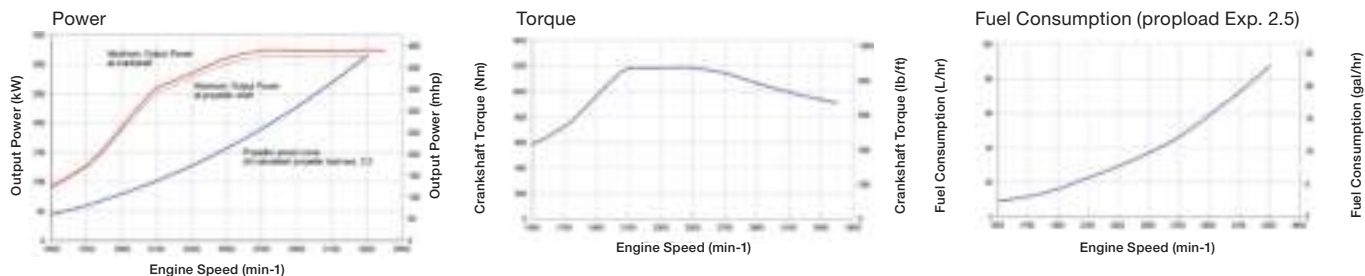
DIMENSIONS**Rearview****Right side view**

6LY440 with KMH61A2 marine gear

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PERFORMANCE CURVES

6LY400**6LY440**

MARINE GEARS / DRIVE*

Model	KMH61A2 [down angle: 8°]			KMH61V2 [V-drive]				ZF280-1 [parallel]
Type	Hydraulically actuated multi-disc clutch			Hydraulically actuated multi-disc clutch				Hydraulically actuated multi-disc clutch
Dry weight**	81 kg [187 lbs]			113 kg [249 lbs]				113 kg [249 lbs]
Reduction Ratio [fwd/rev]	1.55/1.55	2.04/2.04	2.43/2.43	1.24/1.24	1.49/1.49	1.98/1.98	2.43/2.43	Gear ratio's as available from ZF
Propeller speed [fwd/rev]	2129	1618	1358	2661	2215	1667	1358	
Direction of rotation (viewed from stern)	Counterclockwise & Clockwise			Counterclockwise & Clockwise				Counterclockwise & Clockwise
Dry weight engine and gear/drive**	666 kg [1468 lbs]			698 kg [1538 lbs]				698 kg [1538 lbs]

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

** Dry weight including cooler, brackets & damper disk.

ACCESSORIES

Standard engine package

- 2-pole 12V Electric system
- Exhaust/water mixing elbow [L-type]
- Alternator 12V - 125A
- Mounting brackets
- Dipstick on both sides

Optional accessories

- Flexible mounts
- Fuel water separator
- High-riser mixing elbow
- SOLAS kit including certificates
- 24V Secondary Alternator

CONTROL SYSTEM

Standard engine package

- YANMAR CAN-bus control system
- Multi-function color display
- NMEA2000 or J1939 gauge output
- Switch panel
- Back up panel

Optional accessories

- Electronic CAN-bus control-head
- Extension wire harness
- NMEA2000 gauges
- Second or third station

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