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YANMAR

MARINE DIESEL ENGINES

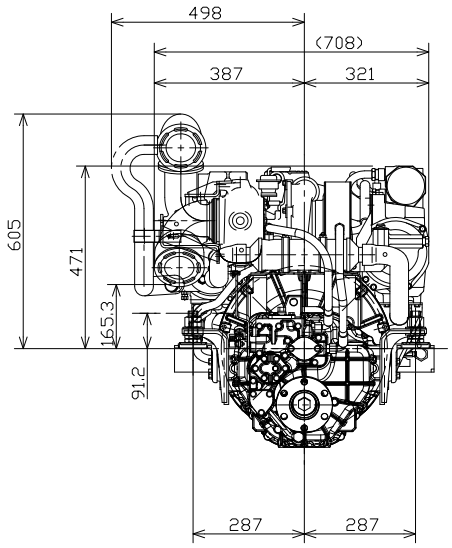
6LY2A-UTP / STP Series

	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	

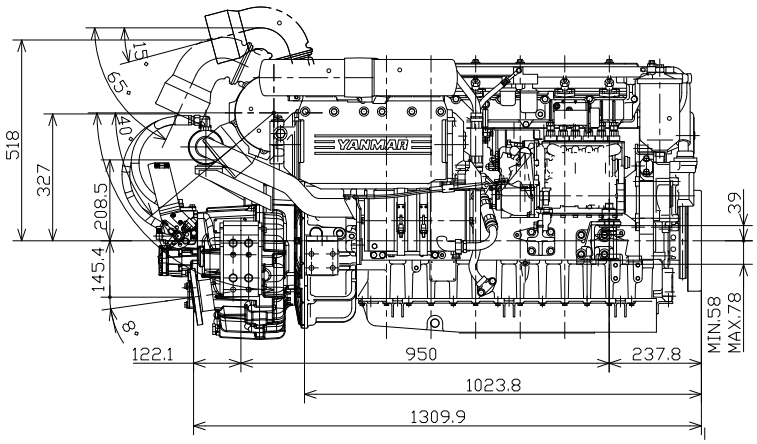
NOTE:
1 kW = 1.3596 mhp
* Fuel temperature 25°C Fuel gravity 860g/litter [ISO 3046-1], fuel density at 15°C: 860g/litter
** Fuel temperature 40°C Fuel gravity 840g/litter [ISO 8665: 2006], fuel density at 15°C: 840g/litter
Technical data is according to ISO 8665: 2006/3046-1

DIMENSIONS

Rear view



Right side view



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

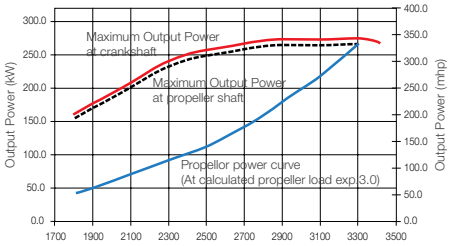
EN_DS6LY2A_0717

YANMAR

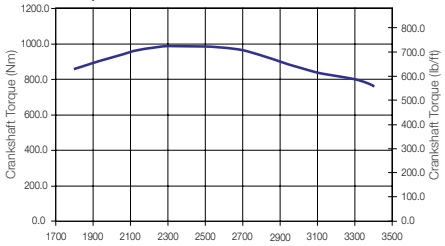
PERFORMANCE CURVES

6LY2A-UTP

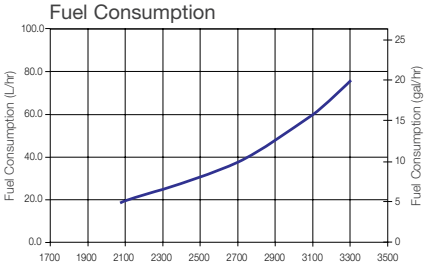
Power



Torque

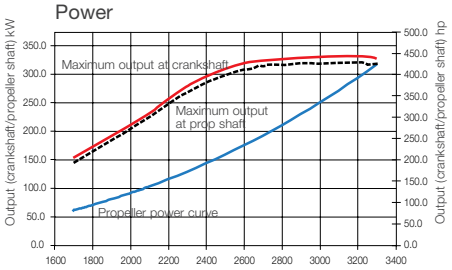


Fuel Consumption

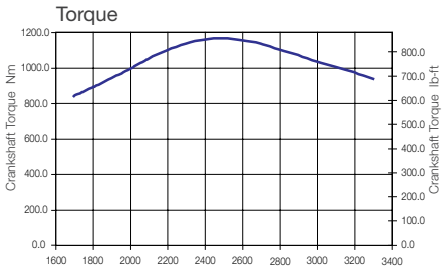


6LY2A-STP

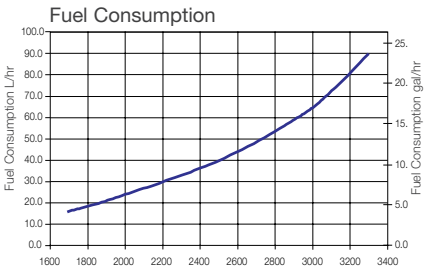
Power



Torque



Fuel Consumption



MARINE GEARS / DRIVE*

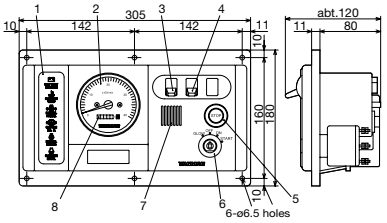
Model	KMH61A [down angle 8°]		
Type	Hydraulically actuated multi-disc clucth		
Dry weight**	77 kg [170 lbs]		
Reduction Ratio [fwd/rev]	1.55/1.55	2.04/2.04	2.43/2.43
Propeller speed [fwd/rev]	2000/2000	1520/1520	1276/1276
Direction of rotation (viewed from stern)	Clockwise or Counterclockwise		
Dry weight engine and gear/drive**	612 kg [1349 lbs]		
Length engine and gear/drive	1310 mm [51 in]		

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

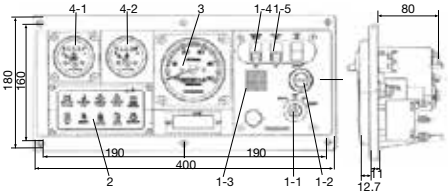
** Dry weight including cooler, brackets & damper disk.

INSTRUMENT PANELS

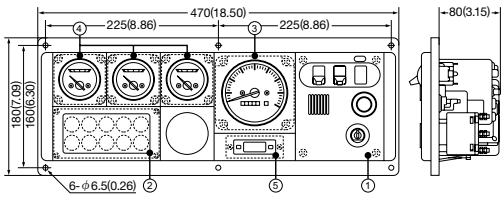
New B-type Panel



New C-type Panel



New D-type Panel



Function
1-Switch unit
1-1 Key switch [starter 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
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
3-Tachometer with hour meter
4-Sub meter unit
4-1 L.O. pressure meter
4-2 C.W. Temperature meter
4-3 Boost meter [turbo]
5-Quartz clock

ACCESSORIES

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

Optional accessories
- 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

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