

**YANMAR****MARINE DIESEL ENGINES**

6LY2M Series - WDT / WST

Configuration		In-line, 4-stroke, vertical, water-cooled diesel engine	
Max. output at crankshaft	6LY2M-WDT	*259 kW [352mhp] @3200 rpm	*294 kW [400mhp] @3200 rpm
	6LY2A-WST	**243 kW [330mhp] @3200 rpm	**277 kW [376mhp] @3200 rpm
No. of cylinders		6 cylinder	
Displacement		5.813 L	[354 cu in]
Bore x stroke		106 mm x 110 mm	[4.17 in x 4.33 in]
Aspiration		Turbocharged & intercooled	
Combustion system		Direct Injection, in-line Pump	
Starting system		Electric starting 12V - 3 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: 15W-40	
Direction of rotation at crankshaft		Counterclockwise (CCW) viewed from stern	
Dry weight without gear		535 kg	[1179 lbs]
Engine dimensions† L x W x H		1412 x 835 x 880 mm	
Emission compliance		EU: IMO Tier2	US:
Flywheel housing size		SAE #3	
Controls		Mechanical	

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

** Fuel temperature 25°C at the inlet of the fuel injection pump (ISO 3046)

†Length includes YX-50S gearbox & high-riser elbow (Dimensions may vary with other gears/elbow)

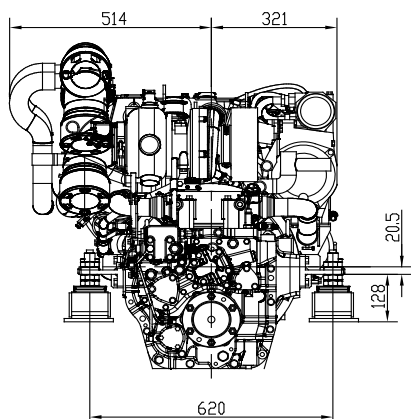
NOTE:

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

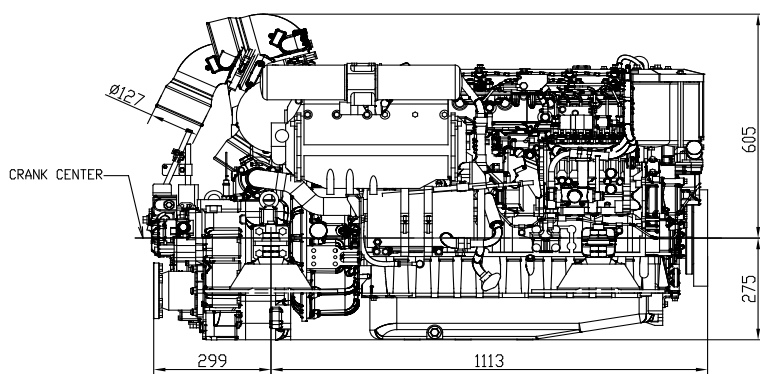
Technical data is according to (ISO 8665)/(ISO 3046)

DIMENSIONS

Rear view



Right side view



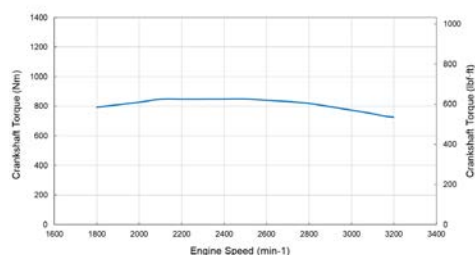
6LY2M-WDT/WST with YX-50S gearbox
(Not to be used for engine installation)

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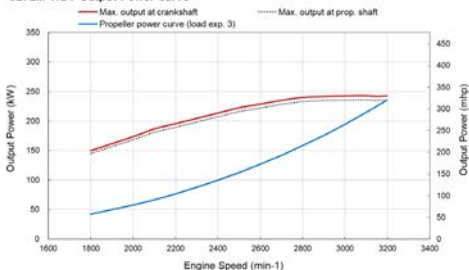


PERFORMANCE CURVES

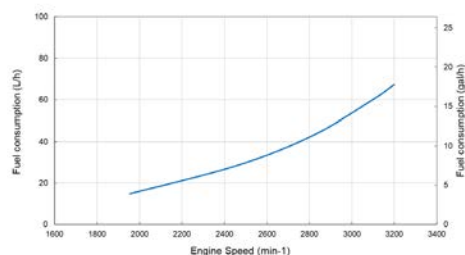
6LY2M-WDT Torque curve



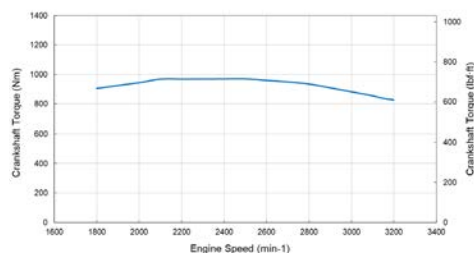
6LY2M-WDT Output Power curve



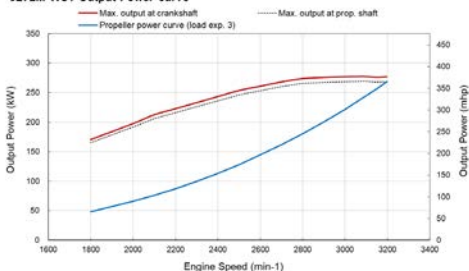
6LY2M-WDT Fuel consumption (load exp. 3)



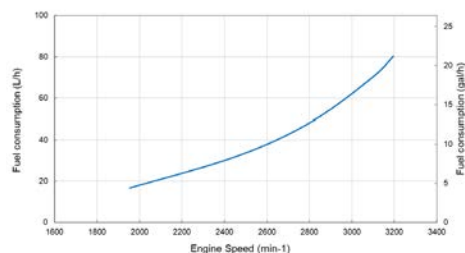
6LY2M-WST Torque curve



6LY2M-WST Output Power curve



6LY2M-WST Fuel consumption (load exp. 3)



MARINE GEAR*

Model	YX-50S [-1]			
Clutch type	Hydraulic multi-disc			
Dry weight	108 kg [238 lbs]			
Reduction ratio [fwd/asn]	1.51	2.03	2.48	2.88
Direction of rotation [viewed from stern]	Clockwise or counterclockwise			
Lubrication system	Forced lubrication			
Lube oil specifications	SAE #30			
Max. lube oil capacity	4.5 L			
Dry weight - engine & gear	643 kg [1418 lbs]			

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

ACCESSORIES

Standard package

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

Optional accessories

- High-riser mixing elbow [instead of L-elbow]
- Flexible mounts Barry
- Flexible mounts Bridgestone
- Extension wire harness [3m, 5m, 10m, 20m]
- Sensor for VDO instrument panels
- Semi 2-pole

- 24V electric system
- Lub oil evacuation pump
- Water separator
- Trolling valve [only for KMH60A]

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