



6LF Series - 485 / 530 / 550

Configuration	in-line, 4-stroke, vertical, water-cooled diesel engine	
Maximum output at crankshaft*	*356 kW@3000 rpm	[485 mhp@3000 rpm]
	*390 kW@3000 rpm	[530 mhp@3000 rpm]
	*404 kW@3000 rpm	[550 mhp@3000 rpm]
Cylinders	6 cylinders	
Displacement	6.728 L	[411 cu in]
Bore x stroke	104 mm x 132 mm	[4.10 in x 5.20 in]
Aspiration	Turbocharged & intercooled	
Combustion system	Direct injection Bosch common-rail system	
Starting system	Electric starting 12V - 3kW or 24V - 4kW	
Cooling system	Fresh water cooling by centrifugal pump	
	Sea water cooling by rubber impeller pump	
Alternator	12V - 90A, 24V - 70A	
Lubrication system	Enclosed, forced lubricating system	
Direction of rotation [crankshaft]	Counterclockwise viewed from stern	
Dry weight without gear**	721 kg	[1590 lbs]
	EU: RCD 2	EMC
Emission compliance	US: EPA Tier 3***	IMO Tier 2

NOTE:

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

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

** Including damper disk

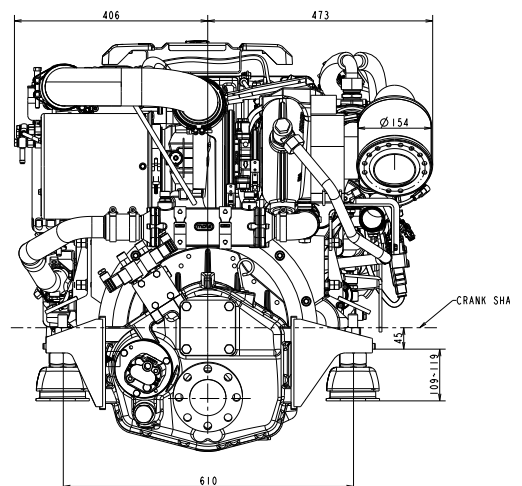
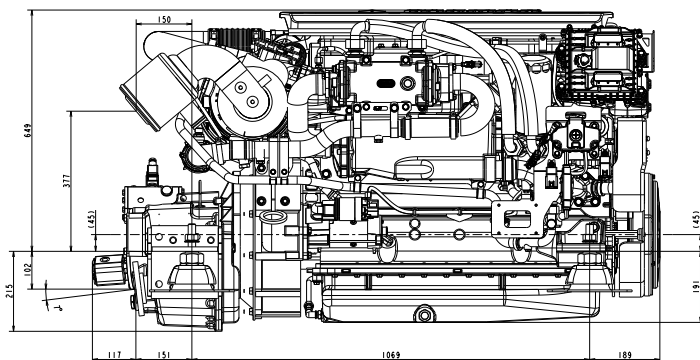
*** Please note, the 6LF550 is not EPA Commercial certified.

Technical data is according to ISO 8665: 2006

DIMENSIONS

Right side view

Rear view

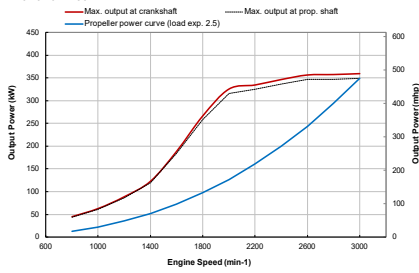


6LF with ZF280-1A gear
(Not to be used for engine installation)

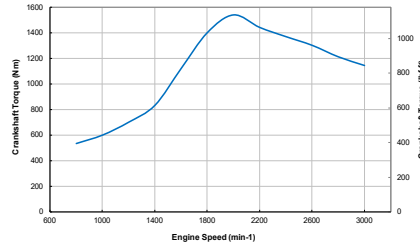


PERFORMANCE CURVES

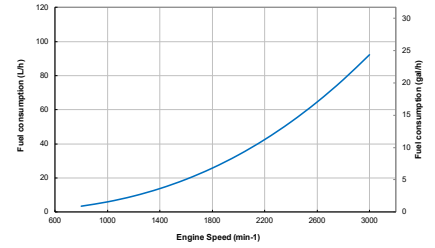
Power 6LF485



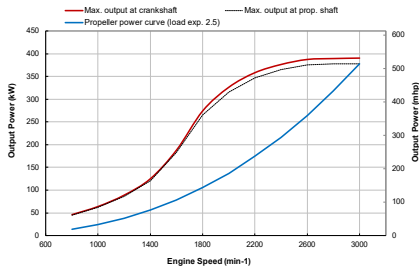
Torque 6LF485



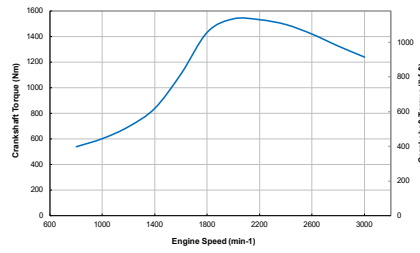
Fuel consumption 6LF485



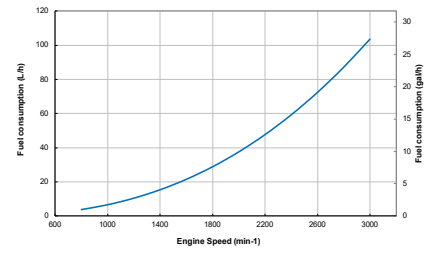
Power 6LF530



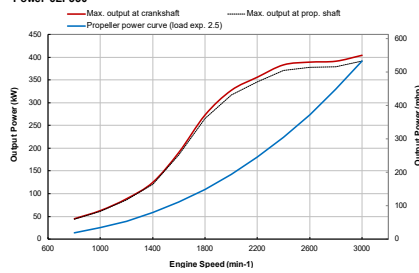
Torque 6LF530



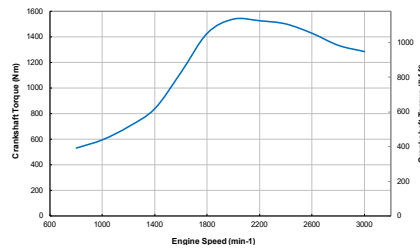
Fuel consumption 6LF530



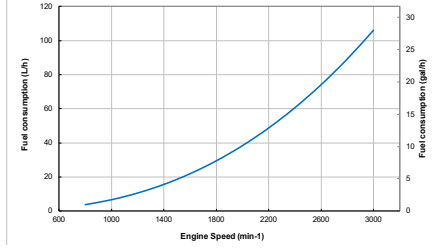
Power 6LF550



Torque 6LF550



Fuel consumption 6LF550



MARINE GEARS*

Model	ZF280-1A [Down angle: 7deg]		
Type	Hydraulically actuated multi-disc clutch		
Dry weight **	113 kg [249 lbs]		
Reduction ratio [fwd/rev]	1.483 / 1.483	1.769 / 1.769	2.000 / 2.000
Propellor speed [fwd/rev]	2023 / 2023	1696 / 1696	1500 / 1500
Direction of rotation viewed from the stern	Counterclockwise & Clockwise		
Dry weight engine with gear/drive **	834 kg [1839 lbs]		

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

ACCESSORIES

Standard Package

- Exhaust mixing elbow [high riser]
- 12V Electric system
- Alternator 12V - 90A
- VC20 Vessel Control System
- Electronic CAN-bus control head
- Back up Panel
- Lub Oil Evacuation Pump

Optional

- 24V Electric system (2-pole, incl. Alternator 24V-70A)
- Secondary Alternator 24V - 110A with external regulator
- Second or third station
- Front-PTO pulley [V-belt type A or B]
- Hot water connector
- NMEA 2000 Engine monitoring system
- JC20A Inboard Joystick
- EIAPP Certificate
- Flexible mounts

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