



6LF Series - 485 / 530 / 550

| | | |
|-------------------------------------|---|------------------------------|
| Configuration | in-line, 4-stroke, vertical, water-cooled diesel engine | |
| Max. 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] |
| No. of 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 | |
| Engine management | Electronic | |
| Cooling system | Fresh water cooling by centrifugal fresh water pump | |
| | Seawater cooling by rubber impeller seawater pump | |
| Alternator | 12V - 90A, 24V - 70A | |
| 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 (CCW) viewed from stern | |
| Dry weight without gear | 780 kg | [1720 lbs] |
| Engine dimensions† L x W x H | 1519 x 893 x 881 mm | |
| Emission compliance | EU: RCD 2, EMC | US: EPA Tier 3**, IMO Tier 2 |
| Flywheel housing size | SAE #3 | |
| Controls | Electronic | |

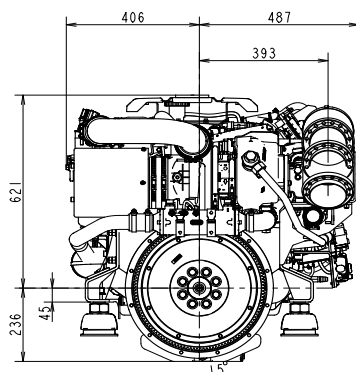
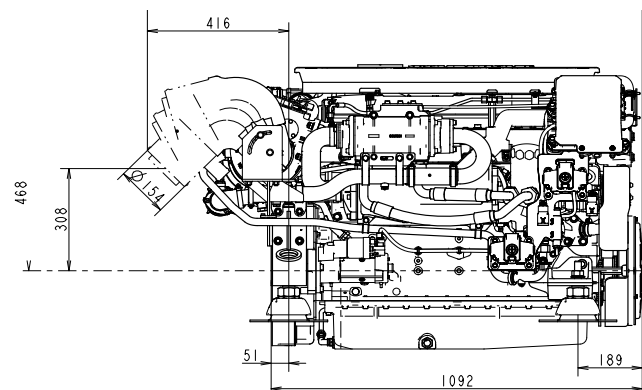
NOTE:Fuel condition: Density at 15°C = 0.84 g/cm³; 1 kW = 1.3596 mhp = 1.3410 HP

Technical data is according to (ISO 8665)

* Fuel temperature 40°C at the inlet of the fuel injection pump (ISO 8665)

** The 6LF550 is not EPA Commercial certified.

†Length measured with with ZF280 gearbox & high-riser elbow (Dimensions may vary with other gears/elbow)

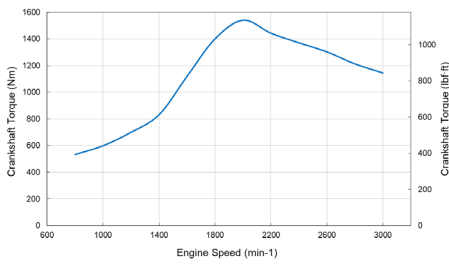
DIMENSIONS**Gear view****Right side view**

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

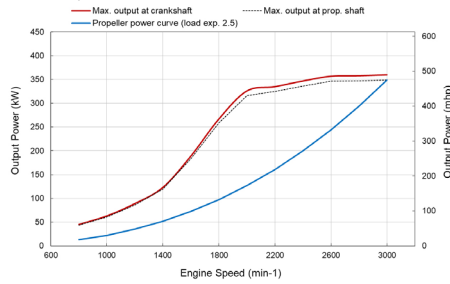


PERFORMANCE CURVES

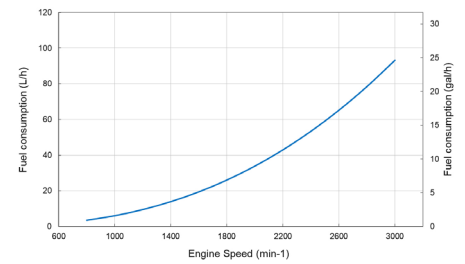
6LF485 Torque curve



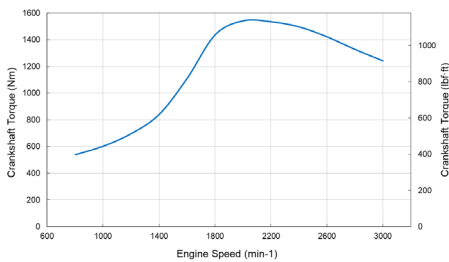
6LF485 Output Power curve



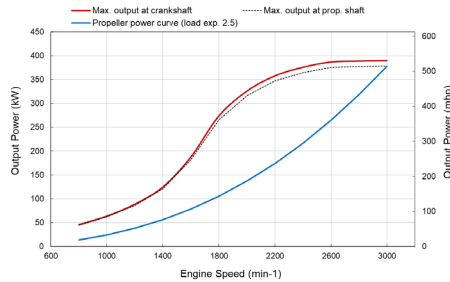
6LF485 Fuel consumption (load exp. 2.5)



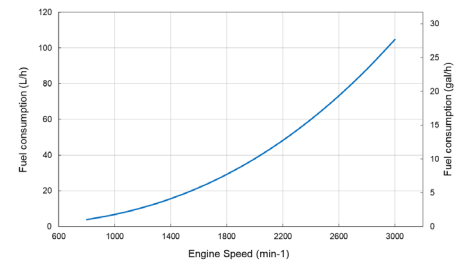
6LF530 Torque curve



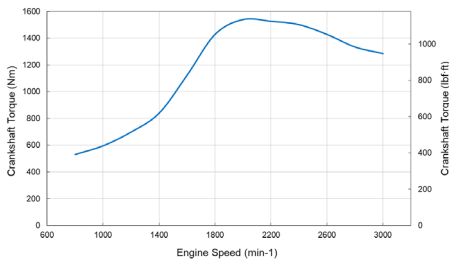
6LF530 Output Power curve



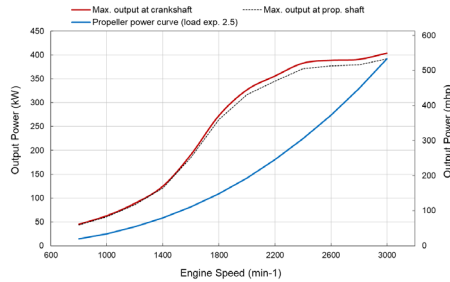
6LF530 Fuel consumption (load exp. 2.5)



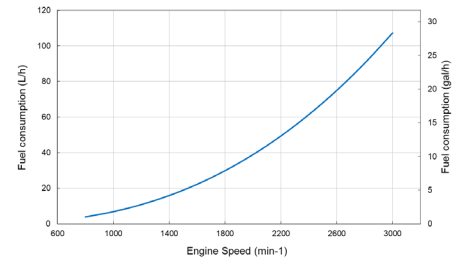
6LF550 Torque curve



6LF550 Output Power curve



6LF550 Fuel consumption (load exp. 2.5)



MARINE GEAR*

| Model | ZF 280 -1 | ZF 280 -1A [down angle 7°] | ZF 286 | ZF 286 A [down angle 7°] |
|---|-------------------------------|----------------------------|--------|--------------------------|
| Clutch type | Hydraulic multi-disc | | | |
| Dry weight** | 73 | 73 | 86 | 77 |
| Reduction ratio [fwd/asn] | Gear ratios available from ZF | | | |
| Direction of rotation [viewed from stern] | Clockwise & counterclockwise | | | |
| Lubrication system | Forced lubrication | | | |
| Lube oil specifications | ACEA E5/E7, API CI-4 | | | |
| Max. lube oil capacity | 4 | 4 | 5.3 | 4 |
| Dry weight - engine & gear | 853 | 853 | 866 | 857 |

* 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

- Exhaust mixing elbow [high riser]
- 12V Electric system [single pole] / 24V Electric system [2-pole]
- Flexible mounts
- Alternator 12V - 90A / 24V - 70A
- VC20 Vessel Control System
- Electronic CAN-bus control head
- Backup Panel
- Lubrication oil evacuation pump [manual]
- Belt safety cover

Optional accessories

- Secondary alternator 24V - 110A including smart regulator
- Second or third station
- Hot water connector
- NMEA 2000 Engine monitoring system

- JC20A Inboard Joystic
- Extension harness [3m, 5m, 10m]
- Front PTO pulley
- Man Over Board Switch

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