

Marine Diesel Engine

L066TI

- Compact Design
- Excellent Performance
- Low Fuel Consumption
- Easy Maintenance



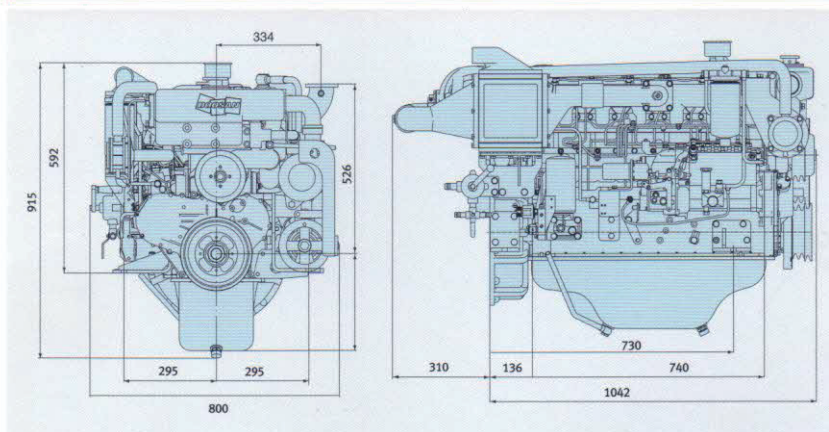
- Rating output
· 132kW (180PS)
- Displacement
· 5,785cc
- Dimension (L × W × H)
· 1,042 × 800 × 915mm
· Without Reduction Gear

Main Specification

| Model | Units | L066TIH |
|---------------------------------|--------------|---|
| Engine type | | 4cycle, In line, direct-injection, water cooled with wet turbo charger & inter-cooler |
| Rating output | PS(kW) / rpm | 180(132)/2,200 |
| Displacement | cc | 5,785 |
| Cylinder number - bore × stroke | mm | 6 - 102 × 118 |
| Low idling rpm | rpm | 750 ± 25 |
| No load max. rpm | rpm | below 2,420 |
| Compression ratio | | 19.5 : 1 |
| Firing order | | 1 - 5 - 3 - 6 - 2 - 4 |
| Governor type of injection pump | | Mechanical all speed (R.S.V) |
| Fuel consumption(only Ref.) | g / PS.h | 159 |
| | liter/h | 34.5 |
| Starting system | | Electric Starting by starter motor |
| Starter motor capacity | V - kW | 24 - 4.5 |
| Alternator capacity | V - A | 24 - 45 |
| Battery | V - Ah | 24 - 100 |
| Cooling system | | Indirect sea water cooling with heat exchanger |
| Cooling water capacity | Max. / Min. | lit 25 / 20 |
| Fresh water pump type | | Centrifugal type, driven by V-belt |
| Sea water pump type | | Rubber impeller type driven by V-belt |
| Lubricating oil(Engine) | Pan capacity | lit Max : 19, Min : 14 (Engine total : 21 / 20) |
| Direction of revolution | Crankshaft | Counter clockwise viewed from stern side |
| Engine Size(L×W×H) | Without M/G | mm 1,042×800×915 |
| Engine dry weight | Without M/G | kg 535 |

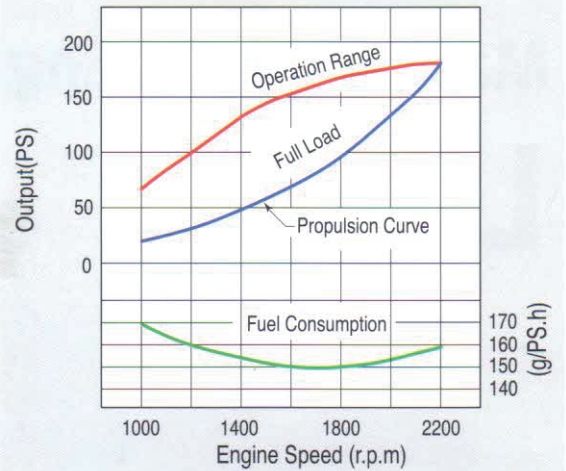
※ H : Heavy Duty, M : Medium Duty, L : Light Duty

Engine Dimension



Performance Curve

- Heavy duty : 132kW(180PS)@2,200rpm
- Medium duty : 110kW(150PS)@1,800rpm
- Light duty : 96kW(130PS)@1,500rpm



Marine rating to ISO 3046

(1) Heavy Duty

Operation hours are unlimited per year, at average load is up to 90 %, at full load is up to 80 %
 Typical gearbox ratio: 2.5 ~ 6
 (Fishing trawler, Tug boat, Pushing vessel, Cargo boat, Freighter, Ferry)

(2) Medium Duty

Operation hours are up to 3,000 per year, at average load is up to 70 %
 At full load is (up to 30 % / 4hrs per 12 hour operation period)
 Typical gearbox ratio: 2 ~ 3.5
 (Fishing boat, Pilot boat, Escort boat, Passenger boat, Ferry, Cruising vessel)

(3) Light Duty

Operation hours are up to 1,000 per year, at average load is up to 50 %
 At full load is (up to 20 % / 2hrs per 12 hour operation period)
 Typical gearbox ratio: 1 ~ 2.5
 (Light weight fishing boat, Yacht, Coastguard boat, Fast boat, Fire pump, Navy)

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AUTHORIZED DEALER

* Specifications are subject to change without prior notice.