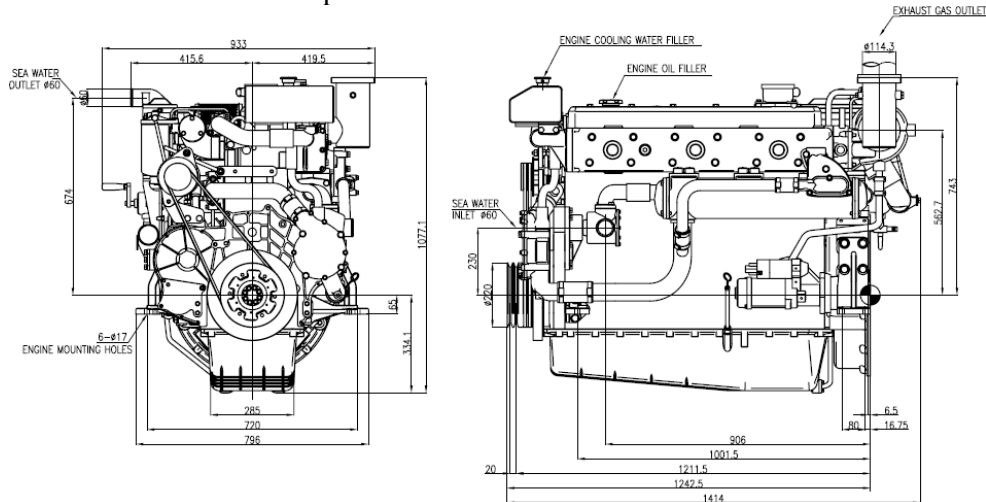


POWER RATING

Production tolerance : $\pm 3\%$

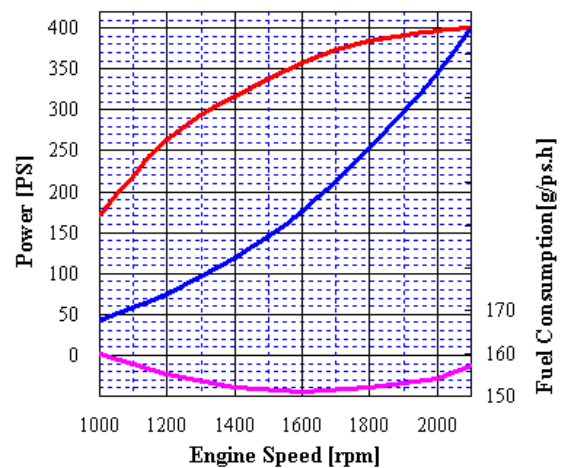
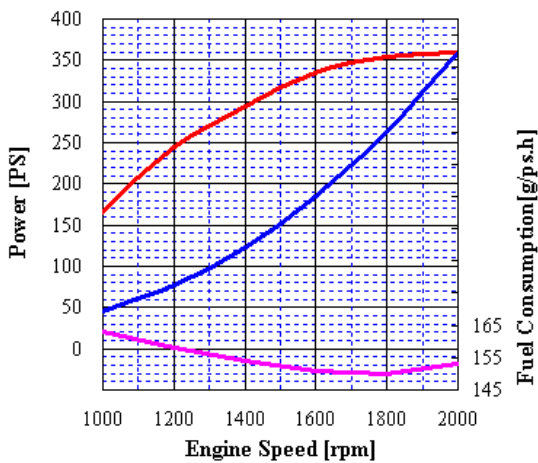
| MODEL | CONDITIONS | POWER | rpm | Base Engine |
|---------|-------------|---------------|-------|-------------|
| L126TIH | HEAVY DUTY | 360PS (265kW) | 2,000 | DE12TIB |
| L126TIM | MEDIUM DUTY | 400PS (294kW) | 2,100 | |

Note : 1) No reduction in rating for intake air temperature is up to 45 °C (318K) and sea water temperature is up to 32 °C (305K) , relative humidity is up to 60 % all data are based on operation to ISO 3046.



Heavy Duty

Medium Duty



- **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)
- **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)

Engine Specification

| Model | | Units | L126TIH | L126TIM |
|------------------------------------|-------------|--------------------|---|---|
| Engine type | | | 4 cycle, In line, direct- injection, water cooled with wet turbo charger & inter-cooler | |
| Rating output (B.H.P) | | PS(kW)/rpm | 360(265)/2,000 | 400(294)/2,100 |
| Displacement | | cc | 11,051 | |
| Cylinder number - bore(φ) x stroke | | mm | 6 - φ123 x 155 | |
| Valve clearance at cold | In / Ex | mm | 0.3 / 0.3 | |
| Low idling rpm | | rpm | 725 ± 25 | |
| No load max. rpm | | rpm | below 2,200 | below 2,310 |
| Mean effective pressure | | kg/cm ² | 14.66 | 15.52 |
| Mean piston speed | | m/sec. | 10.33 | 10.85 |
| Compression ratio | | | 17 : 1 | |
| Firing order | | | 1 - 5 - 3 - 6 - 2 - 4 | |
| Compression pressure | at 200 rpm | kg/cm ² | 28 (Initial condition) | |
| Governor type of injection pump | | | Mechanical variable speed (R.Q.V) | |
| Fuel consumption | | g/PS.h | 154 | 159 |
| | | lit / h | 67 | 77 |
| Injection timing (B.T.D.C) | | deg | 14°±1° | 14°±1° |
| Fuel inj. nozzle opening pressure | | kg/cm ² | 1st : 160 , 2nd : 220 | |
| Starting system | | | Electric Starting by starter motor | |
| Starter motor capacity | | V- kW | 24 - 6.0 | |
| Alternator capacity | | V- A | 24 - 50 | |
| Battery | | V- Ah | 24 - 150 | |
| Cooling system | | | Indirect sea water cooling with heat exchanger | |
| Cooling water capacity | Max. / Min. | lit | 24 / 19 | |
| Fresh water pump type | | | Centrifugal type, driven by gear | |
| Sea water pump type | | | Rubber impeller type driven by gear | |
| Lubricating oil (Engine) | | Pan capacity | lit | Max : 25, Min : 19 (Engine total : 27) |
| | | Pressure | kg/cm ² | Full : 3.5, Idle : 1.2 |
| Marine gear | | Model | DMT144H (Dong-I) | |
| | | Gear ratio | 1.83 2.09 2.51 3.08 3.43 | |
| Direction of revolution | | Crankshaft | Counter clockwise viewed from stern side | |
| | | Propeller | Clockwise viewed from stern side | |
| Engine size (L x W x H) | | Without M/G | mm | 1,414 x 933 x 1,077 |
| | | With M. gear | mm | 1,683 x 933 x 1,159 |
| Engine dry weight | | Without M/G | kg | 1,060 |
| | | with M. gear | kg | 1,345 |

psi = kg/cm² x 14.22
 lb/ft. = N.m x 0.737
 kW = 0.2388 kcal/s

lb= kg x 2.205
 lb/PS.h = g/kW.h x 0.00162
 cfm = m³/min x 35.3

hp = PS x 0.98635
 U.S gal. = liter x 0.264

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※ Specifications are subject to change without prior notice.