



Marine Diesel Engine

L126TI

Daewoo Heavy Industries has made a fresh start as **Doosan Infracore**.

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

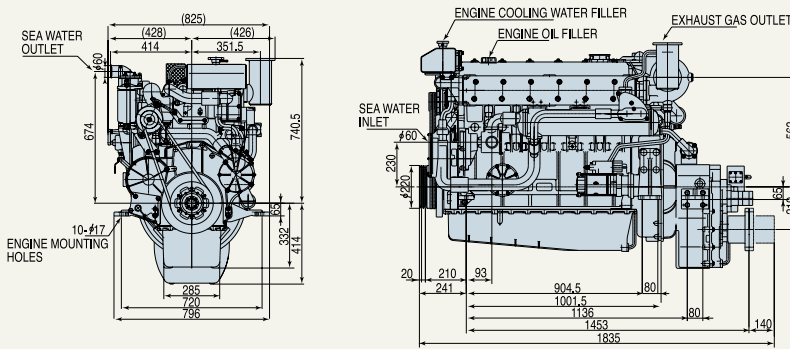


- Continuous Rating (BHP)
· 294kW (400PS)
- Displacement
· 11,051cc
- Dimension (L×W×H)
· 1,695×854×1,155mm
· Including Reduction Gear

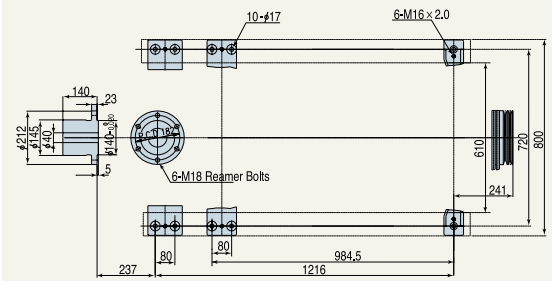


Infracore

Engine Dimension



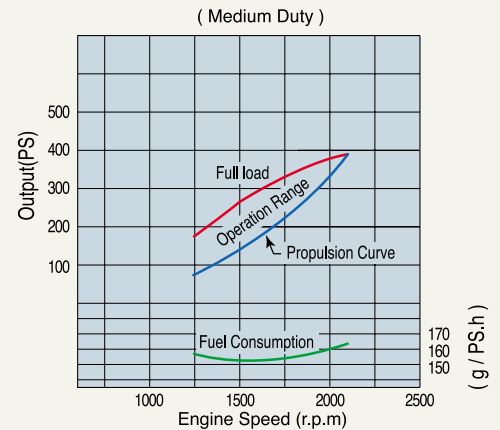
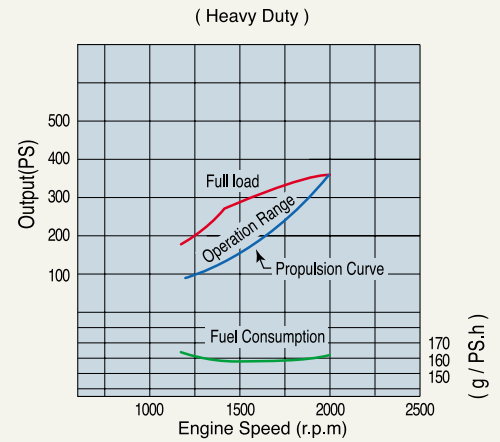
Installation Dimension



Main Specification

| Model | Units | L126TI (DE12TIB) | |
|-------------------------------------|----------------------|--|----------------|
| | | L126TIH | L126TIM |
| Engine type | | 4cycle, In line, direct-injection, water cooled, with wet turbo charger & inter-cooler | |
| Rating output (B.H.P) | kW(PS)/rpm | 265(360)/2,000 | 294(400)/2,100 |
| Displacement | c c | 11,051 | |
| Cylinder number - bore (φ) × stroke | mm | 6 - φ 123 × 155 | |
| Valve clearance at cold | In/Ex | 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 | 15.51 |
| Mean piston speed | m / sec. | 10.33 | 10.85 |
| Compression ratio | | 17 : 1 | |
| Firing order | | 1 - 5 - 3 - 6 - 2 - 4 | |
| Max. firing pressure of cylinder | kg / cm ² | 130 | 135 |
| Compression pressure | at 200rpm | 28 (Initial condition) | |
| Governor type of injection pump | | Mechanical all speed (R.S.V) | |
| Fuel consumption | g / PS.h | 162 | 163 |
| | lit / h | 70 | 79 |
| 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 | Gear ratio | 1.97 | 2.53 3.04 3.42 |
| | | | |
| | | | |
| | | | |
| Direction of revolution | Crankshaft | Counter clockwise viewed from stern side | |
| | Propeller | Clockwise viewed from stern side | |
| Engine size (L×W×H) | Without M/G | mm 1,242 × 854 × 1,073 | |
| | With M/G | mm 1,695 × 854 × 1,155 | |
| Engine dry weight | Without M/G | kg 1,060 | |
| | With M/G | kg 1,410 | |

Performance Curve



L126TIH(July/05)



Infracore

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* Specifications are subject to change without prior notice.