

Κύρια μηχανή

Άσκηση ΤΕΧΝΙΚΗ ΝΟΜΟΘΕΣΙΑ

DOOSAN DAEWOO

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

Πρωραίο πέλμα μηχανής
Πρυμναίο πέλμα μηχανής
Πέλμα μειωτήρα

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

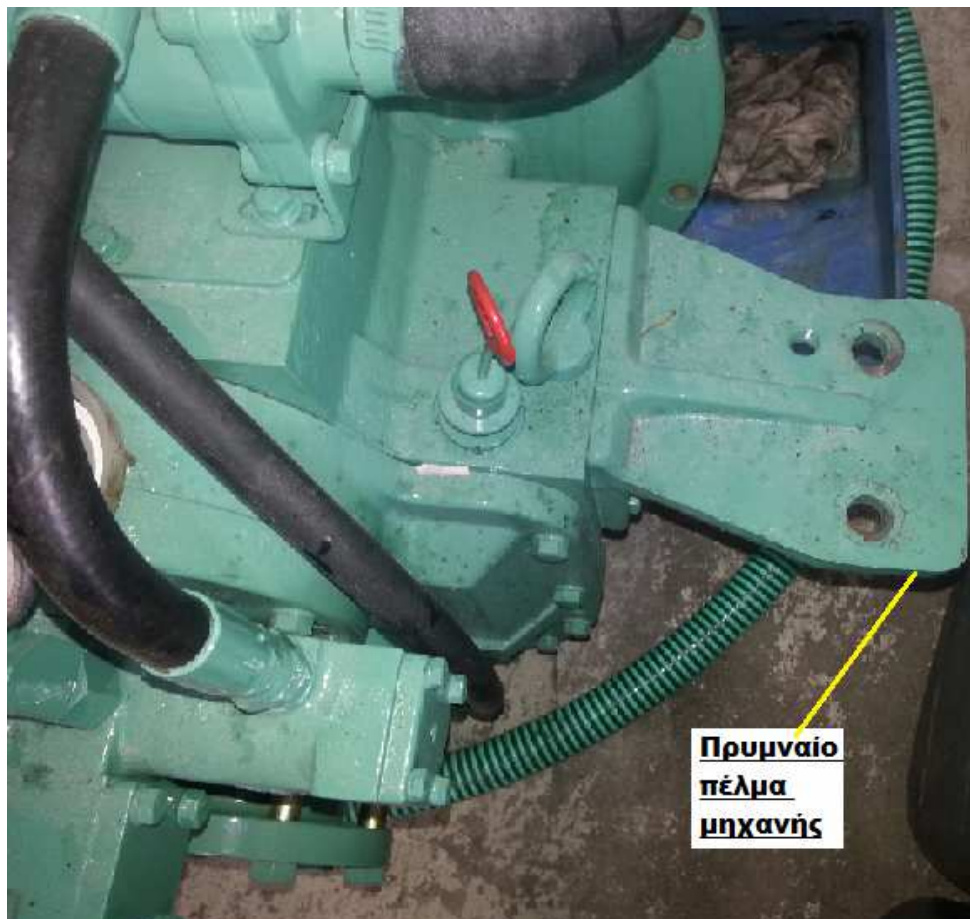
Πέλα μειωτήρα



Πρωραίο πέλμα μηχανής



Πρυμναίο πέλμα μηχανής



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)	PS(kW)/rpm	360(265)/2,000	400(294)/2,100
Displacement	cc	11.051	
Cylinder number - bore (φ) × stroke	mm	6 - φ 123 × 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	
Max. firing pressure of cylinder	kg / cm ²	130	135
Compression pressure	at 200rpm kg / cm ²	28 (Initial condition)	
Governor type of injection pump		Mechanical variable speed (R.Q.V)	
Fuel consumption	g / PS.h	162	163
	lit / h	70	79
Injection timing (B.T.D.C)	deg	16° ± 1°	16° ± 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	TK 500S Tae Pyong Yang	
	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 × 1,079	
	With M/G mm	1,695 × 854 × 1,155	
Engine dry weight	Without M/G kg	1,060	
	With M/G kg	1,410	

