



Main Specification

Model	Units	4V158TIH	4V158TIM	4V158TIL
Engine type		4 valve, 4 cycle, V type, direct- injection, water cooled with wet turbo charger & inter-cooler		
Rating output (B.H.P)	kW(PS)/rpm	390(530)/1,800	441(600)/2,100	588(800)/2,300
Displacement	cc	14,618		
Cylinder number - bore(φ) x stroke	mm	8 - φ 128 × 142		
Flywheel housing & fly wheel		SAE 1 & 14		
Valve clearance at cold In / Ex	mm	0.4 / 0.5		
Low idling rpm	rpm	725 ± 25		
No load max. rpm	rpm	below 2,070	below 2,415	below 2,645
Mean effective pressure	kg/cm ²	18.1	17.6	21.4
Mean piston speed	m/sec.	8.52	9.94	10.89
Compression ratio		14.3 : 1	14.3:1	14.3:1
Firing order		1 - 5 - 7 - 2 - 6 - 3 - 4 - 8		
Governor type of injection pump		Mechanical variable speed (R.Q.V)		
Fuel consumption	g / PS.h	153	167	166
	Lit / h	97	120	159
Starting system		Electric Starting by starter motor		
Starter motor capacity	V - kW	24 - 6.6		
Alternator capacity	V - A	24 - 50		
Battery	V - Ah	24 - 200		
Cooling system		Indirect sea water cooling with heat exchanger		
Cooling water capacity	Max. / Min.	lit. 94 / 83		
Fresh water pump type		Centrifugal type, driven by belt		
Sea water pump type		Bronze impeller type driven by belt		
Lubricating oil	pan capacity	lit. Max : 31, Min : 25 (Engine total : 35)		
	pressure	kg/cm ² Full : 3.5, Idle : 1.2		
Direction of revolution	crankshaft	Counter clockwise viewed from stern side		
Engine Size (L × W × H)	mm	1,558 × 1,237 × 1,111		
Engine dry weight	kg	1,540	1,540	1,540

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

Engine Dimension

