

Production tolerance : ± 3%

Spec.		Model	Units	AD196T	AD196TI	AD126TI
Engine type				4 cycle, in line, direct-injection, water cooled with turbo charger	4 cycle, in line, direct- injection, water cooled with wet- turbo charger & inter-cooler	
Rating output (B.H.P)	50 Hz	PS(kW) / rpm		210(154)/1,500 (AD196TF)	235(173)/1,500 (AD196TIF)	280(206) /1,500 (AD126TIF)
	60 Hz			246(181)/1,800 (AD196TS)	270(199)/1,800 (AD196TIS)	336(247) /1,800 (AD126TIS)
Displacement			cc	11,051		
Cyl. No. – bore(φ) x stroke			mm	6 φ - 123 x 155		
Valve clearance at cold			mm	0.3 / 0.3		
Low idling rpm			rpm	800 ± 50		
No load max. rpm (50Hz / 60Hz)			rpm	Mechanical governor : 1575 (52.5 Hz) / 1890(63Hz), Electric governor : 1500 (50 Hz) / 1800(60Hz),		
Mean effective press. (Initial)			kg/cm ²	11.40 / 11.13	12.76 / 12.21	15.20 / 15.20
Mean piston speed (50Hz / 60Hz)			m/sec.	7.75 / 9.30		
Compression ratio				17.1	16.5	17
Max. firing press. of cylinder			kg/cm ²	106	105	130
Comp. Press. (at 200 rpm)			kg/cm ²	About 28 (Initial condition)		
Governor type of inj. pump				Electric Governor		
Fuel consumption			g/PS.h	156 / 158	145 / 148	150 / 152
			liter/h	39 / 47	41 / 48	50 / 61
Injection timing (B.T.D.C)			deg.	14° ± 1°	16° ± 1°	14° ± 1°
Inj. nozzle opening press.			kg/cm ²	224		
Starting system				Electric Starting by starter motor		
Starter motor capacity			V- kW	24 V – 6.0		
Alternator capacity			V- A	24 V – 50		
Battery			V- Ah	24V – 150		
Cooling system				Indirect cooling by sea water with heat exchanger		
Cooling water capacity			lit	Max. : 25 , Min. : 23		
Fresh water pump type				Centrifugal type, driven gear		
Sea water pump type				Rubber impeller type driven by gear		
Lub. Oil (Engine)		Pan capacity	lit	Max : 25, Min : 19 (Engine total : 27)		
		Pressure	kg/cm ²	Full : 3.5, Idle: 1.2		
Revolution of Crankshaft				Counter clockwise viewed from stern side		
Engine size (L x W x H) (Except reduction gear)			mm	1,193 x 854 x 1,072	1,193 x 854 x 1,072	1,193 x 854 x 1,072
Engine dry weight (Except reduction gear)			kg	975	1,009	1,060

※ Specifications are subject to change without prior notice.