

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 - Φ123 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 <sup>2</sup>	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 <sup>2</sup>	106	105	130	
Comp. Press. (at 200 rpm)		kg/cm <sup>2</sup>	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 <sup>2</sup>	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 <sup>2</sup> 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.