

Production tolerance : ± 3%

Spec. / Model		Units	Auxiliary		
			AD126TIP	AD196TI	AD126TI
Engine type			4 cycle, in line, direct- injection, water cooled with wet- turbo charger & inter-cooler		
Rating output (B.H.P)	50 Hz	PS(kW) / rpm		235(173)/1,500 (AD196TIF)	280(206) /1,500 (AD126TIF)
	60 Hz			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			Mechanical Governor	Electric Governor	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>	1 <sup>st</sup> : 160 2 <sup>nd</sup> :220	220	1 <sup>st</sup> : 160 2 <sup>nd</sup> :220
Starting system			Electric Starting by starter motor		
Starter motor capacity		V- kW	24 V – 5.4		
Alternator capacity		V- A	24 V – 80		
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.

Production tolerance : ± 3%

Spec. / Model		Units	Emergency
			AD126TI
Engine type			4 cycle, in line, direct- injection, water cooled with wet- turbo charger & inter-cooler
Rating output (B.H.P)	50 Hz	PS(kW) / rpm	280(206) /1,500 (AD126TIF)
	60 Hz		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>	15.20 / 15.20
Mean piston speed (50Hz / 60Hz)		m/sec.	7.75 / 9.30
Compression ratio			17
Max. firing press. of cylinder		kg/cm <sup>2</sup>	130
Comp. Press. (at 200 rpm)		kg/cm <sup>2</sup>	About 28 (Initial condition)
Governor type of inj. pump			MECHANICAL GOVERNOR
sFuel consumption		g/PS.h	150 / 152
		liter/h	50 / 61
Injection timing (B.T.D.C)		deg.	14° ± 1°
Inj. nozzle opening press.		kg/cm <sup>2</sup>	1 <sup>st</sup> : 160 2 <sup>nd</sup> :220
Starting system			Electric Starting by starter motor
Starter motor capacity		V- kW	24 V – 5.4
Alternator capacity		V- A	24 V – 80
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
Engine dry weight (Except reduction gear)		kg	1,060

※ Specifications are subject to change without prior notice.