

Production tolerance : ± 3%

Spec.	Model	Units	AD066TIS	AD066TIF
Engine type			4 cycle, in line, direct- injection, water cooled with turbo charger & inter-cooler	
Rating output (B.H.P)		PS(kW)/rpm	150(110)/1,800	130(96)/1,500
Displacement		cc	5,785	
Cyl. No. – bore(φ) x stroke		mm	6 - Φ102 x 118	
Valve clearance at cold		mm	In. : 0.4 , Ex. : 0.4	
Low idling rpm		rpm	750 ± 25	
No load max. rpm		rpm	below 1,818	below 1,515
Mean effective pressure		kg/cm <sup>2</sup>	12.97	13.28
Mean piston speed		m/sec.	7.08	5.90
Compression ratio			19.5	
Comp. pressure (at 200 rpm)		kg/cm <sup>2</sup>	28 ( Initial condition)	
Governor type			Electric Governor	
Fuel consumption		g/PS.h	150	152
		liter/h	27	24
Injection timing (B.T.D.C)		deg.	15° ± 1°	
Inj. nozzle opening pressure		kg/cm <sup>2</sup>	196 + 8	
Starting system			Electric Starting by starter motor	
Starter motor capacity		V- kW	24 V – 4.5	
Alternator capacity		V- A	24 V – 45	
Battery		V- Ah	24V – 100	
Cooling system			Indirect cooling by sea water with heat exchanger	
Cooling water capacity		lit	Max. : 25 , Min. : 20	
Fresh water pump type			Centrifugal type, driven by V- belt	
Sea water pump type			Rubber impeller type driven V-belt	
Lub. Oil (Engine)	Pan capacity	lit	Max : 19, Min : 14 ( Engine total : 20)	
	Pressure	kg/cm <sup>2</sup>	Full : 3.5, Idle: 1.0	
Revolution of Crank shaft			Counter clockwise viewed from flywheel side	
Engine size (L x W x H)		mm	1,042 x 800 x 891	
Engine dry weight		kg	535	530

\* Specifications are subject to change without prior notice.