

Production tolerance : ± 3%

| Spec. | | Model | Units | AD136 | AD136T | AD136TI | AD086TI |
|---|-------|--------------|--|--|---|--|--|
| Engine type | | | | 4 cycle, in line, direct-injection, water cooled naturally aspirated | 4 cycle, in line, direct-injection, water cooled with turbo charger | 4 cycle, in line, direct-injection, water cooled with turbo charger & inter-cooler | 4 cycle, in line, direct-injection, water cooled with wet-turbo charger & inter-cooler |
| Rating output (B.H.P) | 50 Hz | PS(kW) / rpm | | 105(77)/1,500 (AD136F) | 145(107)/1,500 (AD136TF) | 157(115)/1,500 (AD136TIF) | 205(151) /1,500 (AD086TIF) |
| | 60 Hz | | | 126(93)/1,800 (AD136S) | 170(125)/1,800 (AD136TS) | 188(138)/1,800 (AD136TIS) | 253(186) /1,800 (AD086TIS) |
| Displacement | | | cc | 8,071 | | | |
| Cyl. No. – bore(φ) x stroke | | | mm | 6 φ - 111 x 139 | | | |
| Valve clearance at cold | | | mm | 0.3 / 0.3 | | | |
| Low idling rpm | | | rpm | 800 ± 50 | | | |
| No load max. rpm | | rpm | Mechanical governor : 1575 (52.5 Hz) / 1890(63Hz), | | | | |
| | | | Electric governor : 1500 (50 Hz) / 1800(60Hz) | | | | |
| Mean effective press. (Initial) | | | kg/cm ² | 7.81 / 7.81 | 10.78 / 10.53 | 11.65 / 11.65 | 15.24 / 15.67 |
| Mean piston speed | | | m/sec. | 6.95 / 8.34 | | | |
| Compression ratio | | | | 17.6 | 16.7 | | |
| Comp. Press. (at 200 rpm) | | | kg/cm ² | About 28 (Initial condition) | | | |
| Governor type of inj. pump | | | | Electric Governor | | | |
| Fuel consumption | | g/PS.h | | 160 / 160 | 153 / 155 | 153 / 153 | 150 / 151 |
| | | | liter/h | 20 / 24 | 27 / 32 | 29 / 34 | 37 / 46 |
| Injection timing (B.T.D.C) | | | deg. | 22° ± 1° | 18° ± 1° | 14° ± 1° | 15° ± 1° |
| Inj. nozzle opening press. | | | kg/cm ² | 224 | | | |
| Starting system | | | | Electric Starting by starter motor | | | |
| Starter motor capacity | | | V- kW | 24 V – 4.5 | | | |
| Alternator capacity | | | V- A | 24 V – 50 | | | |
| Battery | | | V- Ah | 24V – 100 | | | |
| 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 by V- belt | | | |
| Sea water pump type | | | | Rubber impeller type driven by gear | | | |
| Lub. Oil (Engine) | | Pan capacity | lit | Max : 23, Min : 17 (Engine total : 25) | | | |
| | | Pressure | kg/cm ² | Full : 3.5, Idle: 1.2 | | | |
| Revolution of Crankshaft | | | | Counter clockwise viewed from Flywheel side | | | |
| Engine size (L x W x H) (Except reduction gear) | | | mm | 1,182 x 770 x 925 | 1,182 x 770 x 925 | 1,182 x 825 x 925 | 1,182 x 825 x 962 |
| Engine dry weight (Except reduction gear) | | | kg | 735 | 748 | 773 | 790 |

※ Specifications are subject to change without prior notice.