

**GENERAL ENGINE DATE:**

|                                     |                                                                       |
|-------------------------------------|-----------------------------------------------------------------------|
| Engine Model                        | YC6A220C                                                              |
| Rated Power                         | 162KW/220HP                                                           |
| Standby Power                       | 178.2KW/242HP                                                         |
| Rated Speed                         | 2300RPM                                                               |
| Type                                | In-line, 4 stroke, water cooled, Injector                             |
| Aspiration                          | Turbocharged inter-cooled                                             |
| Cylinder                            | 6                                                                     |
| Bore*Stroke                         | 108*132 mm                                                            |
| Displacement                        | 7.252 L                                                               |
| Compression ratio                   | 17.0:1                                                                |
| Fuel Consumption                    | 220g/kW.h                                                             |
| Oil Consumption                     | 0.5 g/kW.h                                                            |
| The Lowest No-load Speed Adjustable | 700-750 rpm/min                                                       |
| The Minimum Load for Speed          | ≤1035rpm/min                                                          |
| Mean Piston Speed                   | 9.9 m/s                                                               |
| Mean Effective Pressure             | 1.165Mpa                                                              |
| Rated Speed Regulate Rate           | ≤10 %                                                                 |
| The Instantaneous Speed Difference  | ±12 %                                                                 |
| Exhaust Smoke                       | ≤3.2 Bosch                                                            |
| Gradient                            | 15 ° , 5 ° trim and roll roll 22.5 ° and 7.5 ° pitch can run properly |
| Emission Limit                      | HC:≤2.1 g/kW/h CO:≤8.4g/kW/h NOx:≤10.8g/kW/h                          |
| Exhaust Gas Temperature             | ≤550 °C                                                               |
| Oil-Temperature                     | 80~105 °C                                                             |
| Sequence                            | 1—5—3—6—2—4                                                           |
| Advance Angle of Fuel Supply        | 16±1 ° CA                                                             |
| Direction of Rotation               | Counterclockwise (for the power output end)                           |
| Oil capacity                        | 52 L                                                                  |
| Type of Cooling                     | Binary cooling                                                        |
| Lubricating System                  | Pressure, splash hybrid                                               |
| (Working) Oil Pressure              | 0.25~0.60 Mpa                                                         |
| (Idle) Oil Pressure                 | ≥0.1Mpa                                                               |
| Starter                             | Electric( Air starter can be choose)                                  |
| Dimension                           | 1415×877×1075 mm                                                      |
| Net Weight                          | 770 Kg                                                                |
| Overhaul Period                     | 10000 H                                                               |

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