

## Unique features

- High torque throughout the rev range
- Low emissions
- Low noise
- Ultra reliable starting performance
- High durability, offering a long service life and low overall costs
- Easy maintenance
- A compact profile
- An ergonomic & easy to use control panel

## Specifications

| Model   | SI unit                                   | 6AYEM  |                                    |                                    |                                    |
|---|---|--|------------------------------------|------------------------------------|------------------------------------|
| Type  | -   | In line, water cooled, 4-cycle diesel engine |                                    |                                    |                                    |
| Combustion system                               | -   | Direct injection                             |                                    |                                    |                                    |
| Number of cylinder                              | -   | 6  |                                    |                                    |                                    |
| Bore X Stroke                                   | mm  | 155 x 180                                    |                                    |                                    |                                    |
| Displacement                                    | L   | 20.38  |                                    |                                    |                                    |
| Rating  | -   | S  | L                                  | M                                  | Continuous                         |
| Rated power (at flywheel end)                   | kW  | 749  | 670                                | 610                                | 555                                |
| Rated engine speed                              | min <sup>-1</sup>                         | 2000   | 1938                               | 1900                               | 1840                               |
| Brake mean effective pressure                   | MPa                                       | 2.2  | 2.04                               | 1.89                               | 1.78                               |
| Mean piston speed                               | m/s                                       | 12.0   | 11.6                               | 11.4                               | 11.0                               |
| Power rating (PV value)                         | MPa · m/s                                 | 26.4   | 23.7                               | 21.6                               | 19.6                               |
| Specific fuel consumption (without marine gear) | g/kWh                                     | IMO2: 206 + 5%                               | IMO2: 201 + 5%<br>CCNR-2: 206 + 5% | IMO2: 204 + 5%<br>CCNR-2: 206 + 5% | IMO2: 201 + 5%<br>CCNR-2: 208 + 5% |
| Turbocharging system                            | -   | Turbocharging with charge air cooler         |                                    |                                    |                                    |
| Size of flywheel housing                        | -   | SAE #0                                       |                                    |                                    |                                    |
| Size of flywheel                                | -   | SAE #18                                      |                                    |                                    |                                    |
| Emissions                                       | -   | IMO-2, CCNR-2                                |                                    |                                    |                                    |
| Dimensions                                      | Overall length                            | mm   | 2000                               |                                    |                                    |
|   | Overall width                             | mm   | 1306                               |                                    |                                    |
|   | Overall height (Standard oil pan)         | mm   | 1531                               |                                    |                                    |
|   | Overall height (<Option> Shallow oil pan) | mm   | 1431                               |                                    |                                    |
| Engine dry mass (engine only)                   | kg  | 2418   |                                    |                                    |                                    |