

無  
C1.1

無  
C2.8

無  
3512C

無  
C13D

## Power Rating

|                |                  |                   |                    |                    |
|----------------|------------------|-------------------|--------------------|--------------------|
| Maximum Power  | 21 kW            | 55 kW             | 1120 kW            | 515 kW             |
| Maximum Torque | 67 Nm @ 2400 rpm | 300 Nm @ 1600 rpm | 7130 Nm @ 1500 rpm | 3200 Nm @ 1400 rpm |
| Rated Speed    | 2200-3400 rpm    | 2200-2400 rpm     | 1800 rpm           | 1800-2100 rpm      |
| Minimum Power  | 14.7 kW          | 50 kW             | 1120 kW            | 340 kW             |

## Emission Standards

|           |                                    |                                     |                            |  |
|-----------|------------------------------------|-------------------------------------|----------------------------|--|
| Emissions | U.S. EPA Tier 4 Interim Equivalent | UN ECE R96 Stage IIIA, Brazil MAR-1 | U.S. EPA Tier 2 Equivalent | EU Stage V, U.S. EPA Tier 4 Final, Korea Stage V, Japan 2014, China NRIV |
|-----------|------------------------------------|-------------------------------------|----------------------------|--|

## General

|                            |                                 |  |                             |                               |
|----------------------------|---------------------------------|--|-----------------------------|-------------------------------|
| Engine Configuration       | Inline 3, 4-Stroke-Cycle Diesel | Inline 4, 4-Stroke-Cycle Diesel                    | V-12, 4-Stroke-Cycle Diesel | In-Line 6                     |
| Bore                       | 77 mm                           | 90 mm  | 170 mm                      | 130 mm                        |
| Stroke                     | 81 mm                           | 110 mm   | 190 mm                      | 162 mm                        |
| Displacement               | 1.13 l                          | 2.8 l  | 51.8 l                      | 12.9 l                        |
| Compression Ratio          | 23.0:1                          | 17.0:1   | -                           | 18:1                          |
| Aspiration                 | Naturally Aspirated (NA)        | Turbocharged (T) and Turbocharged Aftercooled (TA) | Turbocharged Aftercooled    | Turbocharged-Aftercooled (TA) |
| Combustion System          | Indirect Injection              | Direct Injection                                   | -                           | Direct Injection              |
| Rotation from Flywheel End | Counterclockwise                | Counterclockwise                                   | Counterclockwise            | Counterclockwise              |
| Aftertreatment             | -                               | -  | -                           | DOC+DPF+SCR                   |

## Engine Dimensions - Approximate

|                          |        |        |         |         |
|--------------------------|--------|--------|---------|---------|
| Length                   | 491 mm | 633 mm | 3067 mm | 1381 mm |
| Width                    | 400 mm | 538 mm | 1785 mm | 969 mm  |
| Height                   | 576 mm | 786 mm | 1319 mm | 1273 mm |
| Weight - Net Dry - Basic | 87 kg  | 320 kg | 6078 kg | -       |

Operating Engine Without  
Optional Attachments