

# Product Specifications for 2806J-E18TA

|                            |                          |
|----------------------------|--------------------------|
| Maximum Power              | 470 kW                   |
| Maximum Torque             | 2953 Nm @ 1400 rpm       |
| Rated Speed                | 1800-2000 rpm            |
| Minimum Power              | 429 kW                   |
| Emissions                  | EU Stage V               |
| Number of Cylinders        | 6 inline                 |
| Cycle                      | 4 stroke                 |
| Bore                       | 145 mm                   |
| Stroke                     | 183 mm                   |
| Displacement               | 18.1 l                   |
| Compression Ratio          | 16.0:1                   |
| Aspiration                 | Turbocharged aftercooled |
| Combustion System          | Direct injection         |
| Rotation from Flywheel End | Anti-clockwise           |
| Aftertreatment             | DOC+DPF+SCR              |
| Cooling System             | Liquid                   |

|            |   |
|------------|---|
| Length     | 1438 mm   |
| Width      | 969 mm  |
| Height     | 1248 mm   |
| Dry Weight | 1542 kg   |
| Note 1     | *Final dimensions dependent on selected options |

## 2806J-E18TA Standard Equipment

### Aftertreatment Equipment

ECU - Aftertreatment Electronic Control Units  
SCR Auxiliaries - A range of tanks and heated lines are available

### Air System

Turbocharged aftercooled  
Single or Series\*\* configuration. \*\* Series turbocharger configuration only available on specific ratings.

### Electrical and Electronics

All connectors and wiring looms waterproof and designed to withstand harsh off-highway environments  
Flexible and configurable software features and well supported SAE J1939 CAN bus enables highly integrated machines

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Full electronic control system

## Cooling System

Detailed guidance on cooling system design and validation available to ensure machine reliability

Vertical outlet thermostat housing, centrifugal water pump

## Flywheel and Flywheel Housing

Wide choice of drivetrain interfaces, SAE0 and SAE1 configurations

## Fuel System

Industrial technology requires Ultra Low Sulphur Diesel fuel (ULSD, 15 ppm sulphur), in addition to ultra low sulphur diesel oils, for use in Tier 4 Final/Stage IV engines. These cleaner fuels and oils will help reduce ash and maintain service intervals. In addition, B20 biodiesel capability adds even greater sustainability where desired or required

Mechanical Unit Injector fuel system, controlled electronically

## Oil System

Choice of sumps for different applications

Oil cooler, oil filler, oil filter, oil dipstick, oil pump (gear-driven)

Open crankcase ventilation system with fumes disposal (optional OCV filter system)

## Power Take-Off (PTO)

Engine power can also be taken from the front of the engine on some applications

SAE1 power take-off available with optional SAE A, SAE B and SAE C power take-off drives

