

PRODUCT SPECIFICATIONS FOR 2806D-E18TA

POWER RATING

Maximum Power	470 kW
Maximum Torque	2769 Nm @ 1400 rpm
Rated Speed	1800-2100 rpm
Minimum Power	429 kW

EMISSION STANDARDS

Emissions	UN ECE R96 Stage IIIA
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GENERAL

Number of Cylinders	6 inline
Cycle	4 stroke
Bore	145 mm
Stroke	183 mm
Displacement	18.1 l
Compression Ratio	16.3:1
Aspiration	Turbocharged aftercooled
Combustion System	Direct injection
Rotation from Flywheel End	Anti-clockwise
Aftertreatment	-
Cooling System	Liquid

ENGINE DIMENSIONS*

Length	1388 mm
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Width	921 mm
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Height	1243 mm
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Dry Weight	1673 kg
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DISCLAIMER

Note 1 *Final dimensions dependent on selected options

2806D-E18TA STANDARD EQUIPMENT

AIR SYSTEM

Turbocharged aftercooled

Single or Series** configurations. ** 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

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

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