2806J-E18TTA
EU Stage V and U.S. EPA Tier 4 Final
563-597 kW (755-800 hp)

The ability to power your machine line-up with one engine supplier is truly achievable with Perkins. We have introduced a platform of 9-18 litre industrial engines that completes our market-leading industrial power range and covers 8.2-597 kW (11-800 hp).

This model is a serial twin turbocharged, air to air chargecooled, 18.1 litre, 6 cylinder product capable of producing 597 kW (800 hp).

Using a single-can diesel oxidation catalyst (DOC), these engines meet EU Stage V and U.S. EPA Tier 4 Final certification allowing for sales into countries with the highest global emissions standard.

To support the demands of your machine installation we offer a choice of engine configurations and options. The robust technology allows you to integrate these engines into your equipment with the minimum of re-engineering.

Perkins has developed a reputation for designing and building reliable and durable engines for the most demanding applications. Choosing Perkins as your engine supplier means your development costs can be reduced.

Features and Benefits

**High Power Density**

2806J-E18TTA engines with ratings above 560 kW (755 hp) have excellent power density. With a top rating of 597 kW (800 hp) it utilises a compact, single-can diesel oxidation catalyst (DOC) aftertreatment. The DOC is a maintenance-free, passive aftertreatment solution that eliminates the need for thermal management and all the associated components.

Power density coupled with a compact aftertreatment allows you to downsize the total space claim of your installation across numerous applications while realising a reduction in maintenance requirements and cost of operation.

**Dependable power**

World-class manufacturing capability and processes coupled with proven core engine designs assure reliability, quiet operation and many hours of productive life.
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Tailored for your machines
Fully configurable engine with exceptional power density, numerous options and a compact, simplified aftertreatment to minimise total package size and enable commonisation across a wide range of application. Aftertreatment installation flexibility to meet all applications - including remote mount and engine-mounted. Low heat rejection levels allow for optimised cooling package at equivalent power.

Lifetime of low cost
Fuel consumption optimised to match operating cycles of a wide range of equipment and applications.

Fuel and oil
Stage V and Tier 4 Final engines require Ultra Low Sulfur Diesel (ULSD) fuel containing a maximum of 15 ppm sulfur, and new oil formulations to support the new technology. Biofuel up to B20 is supported.

Local support, global coverage
Perkins recognise that the customer relationship is important to machine manufacturers and we can offer a range of flexible solutions to help provide appropriate support, either to the OEM’s network or directly to the machine customer.

With highly trained Perkins distributors in thousands of communities in over 180 countries, you are never far away from expert product knowledge, genuine parts and a range of advanced diagnostic technology for keeping your engine in peak condition.
To find your local distributor: www.perkins.com/distributor

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cylinders</td>
<td>In-line 6</td>
</tr>
<tr>
<td>Displacement litres, L</td>
<td>18.1</td>
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<tr>
<td>Aspiration</td>
<td>Series twin turbocharged aftercooled</td>
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<tr>
<td>Bore and stroke mm (in)</td>
<td>145 x 183 (5.7 x 7.2)</td>
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<tr>
<td>Maximum power kW (hp)</td>
<td>597 (800)</td>
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<tr>
<td>Rated speed (rpm)</td>
<td>1800</td>
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<tr>
<td>Maximum torque Nm (lb ft) @ rpm</td>
<td>3710 (2736.4) @ 1300</td>
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<tr>
<td>Combustion system</td>
<td>Direct injection</td>
</tr>
<tr>
<td>Weight kg (lb)</td>
<td>1542 (3399.5)</td>
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<tr>
<td>Rotation (viewed from flywheel)</td>
<td>Anti-clockwise</td>
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</tbody>
</table>
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For more information please contact a Perkins distributor: http://distributorlocator.perkins.com

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