

# AE 300

## Key Benefits

### Reliability

Latest automotive standards assure highest safety and minimal fuel costs due to lowest fuel consumption. Modern common rail technology provides the high reliability level.

### Customer-Optimized

The development of the AE 300 focused on efficient maintenance work. Therefore low service costs and high operating availability argue for the AE 300.

### Multi-Fuel Use

The AE 300 uses Jet fuel to produce 123.5 kW. Worldwide availability of Jet fuel and multifuel capability of the engine guarantee worldwide applicability. Customers benefit from lower fuel costs compared to AVGas.

### Engineering design support

Austro Engine offers all OEMs assistance in component integration. Austro Engine transfers Know How to other companies to decrease error rate, development costs and time. All these measures alleviate engine integration and accelerate projects.

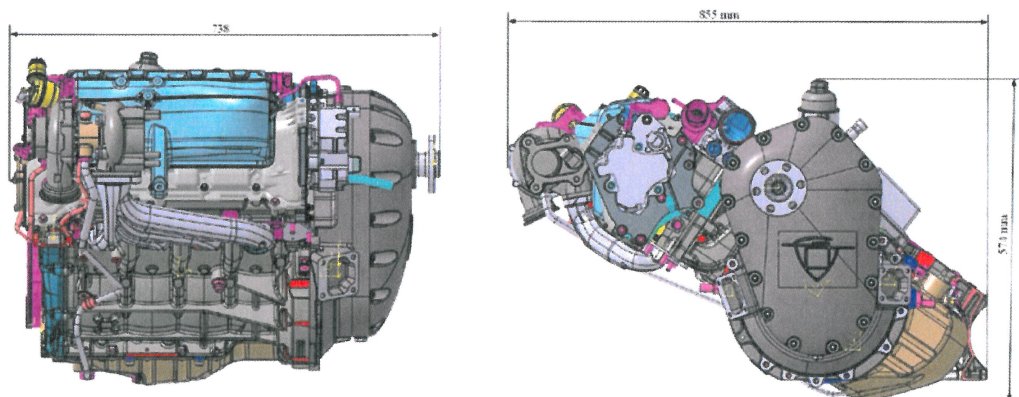
### Performance

The AE 300 provides 123.5 kW for flight convenience and best performance of the aircraft. The low specific fuel consumption and the high altitude performance are unique in general aviation. The low vibration and the single power lever design improve the engine operation comfort.

### Warranty Information

Austro Engine warrants 30 months ex works or 24 months since first operation. For detailed information have a look at the complete warranty conditions.

### Dimensions



# AE 300

# Technical Data

## General

The AE 300 is a liquid-cooled, in-line 4-cylinder engine with double overhead camshaft (DOHC). Every cylinder has four valves which are actuated by the cam follower. The direct fuel injection is delivered by common rail technology. The power is provided by the integrated turbo charger. The engine is controlled by an electronic controlled system with integrated single power lever design. The propeller pitch change is actuated by a governor which is controlled by the engine electronic controlled unit. This allows the single power lever design system.

## Scope of Supply

The engine is equipped with an electrical starter, an alternator, a water pump, an oil pump and an integrated oil to coolant heat exchanger. The propeller is driven by an integrated gearbox which is fitted to the engine using an integral torsional vibration damper.

## Performance

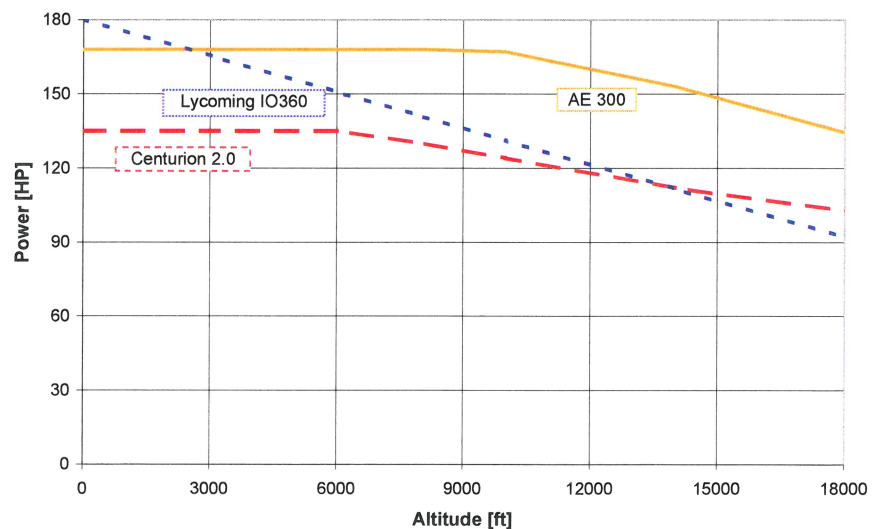
Power	
kW	123.5
hp	168
1/min	3880

Fuel Consumption	
MTOP (100% - 123.5 kW)	35.1 l/h
MCP (92% - 114 kW)	31.5 l/h
Best Economy (73% - 90 kW)	21 l/h

## Dimensions / Weight

Displacement	1991 cm <sup>3</sup>	121.5 cu in
Weight (wet)	185 kg	414 lbs
Gear Ratio	1.69	

## Altitude Performance of the AE 300 compared with TAE 125 \* and Lycoming IO360 \*\*



\* based on Operation & Maintenance Manual, Version 1/6, Thielert Aircraft Engines GmbH, Germany

\*\* based on Operator's Manual, 6th Edition, Sept. 1999, revised April 2005, TEXTRON Lycoming, U.S.A.