

AE 50R

Rotary Engine

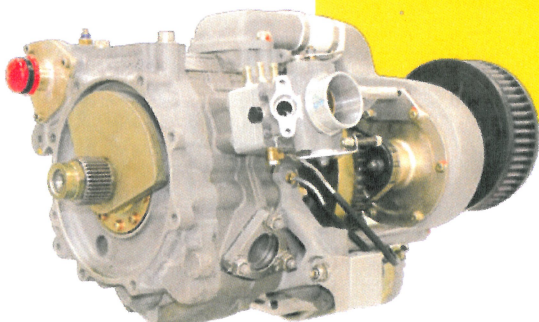
The AE 50R is an AVGas single rotary engine with 40.4 kW. This engine is certified according to EASA Part 22 Subpart H. The enormous power-weight relation results in an unique position on the global market.

Since launching our first line of products, the AE 50R series, our 40.4 kW rotary engine product, has built a successful track record, with more than 700 installations in motor gliders and UAV applications of leading OEMs.

Small.

Unique.

Low Vibration.



AE 50R **Technical Data**

General

The AE 50R is a 294 cm³ single rotary engine with liquid cooling plus forced air cooling for the rotor core, lubrication via metered oil pump directly to main bearing and rotor tips with partial oil recovery system, twin spark plugs, electric starter, 14 Volt 18 Amp alternator, electronic fuel injection and electronic control system.

Specification

Fuel AVGas 100LL or RON 95 Unleaded
Engine Oil approved synthetic
Coolant 50% glycol, water
Engine Control ECU
Ignition Timing variable
Spark Plug surface discharge
Alternator 14 Volt / 18 Amp

Performance

Performance at sea level			Torque	
kW	HP	RPM	Nm	RPM
40,4	55	7750	52,5	7750

Weight

Weight	kg	lbs
Engine core, Ignition units, Voltage regulator	24.5	54.0
Typical coolant in radiator, hoses and engine casting	3.3	7.3
Engine total weight	27.8	61.3

Dimensions

