ROTRON
AN ONDAS COMPANY

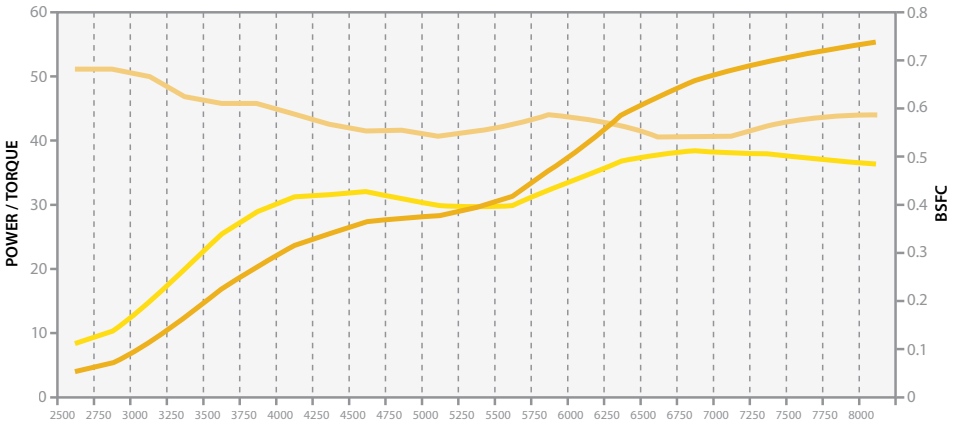
RT300-XE

The RT300-XE is a compact, high-performance single-rotor rotary engine engineered for demanding applications. With a 300 cc displacement and 28 kg weight, it delivers up to 50 hp with exceptional efficiency and durability.

| TECHNOLOGY

The RT300-XE's advanced rotary architecture achieves industry-leading power-to-weight metrics through minimal reciprocating mass and compact packaging. With a quoted 1000-hour TBO, low internal vibration and efficient fuel consumption (~0.56 lbs per hp-hour), it supports sustained high-performance and endurance missions.

| PERFORMANCE DATA



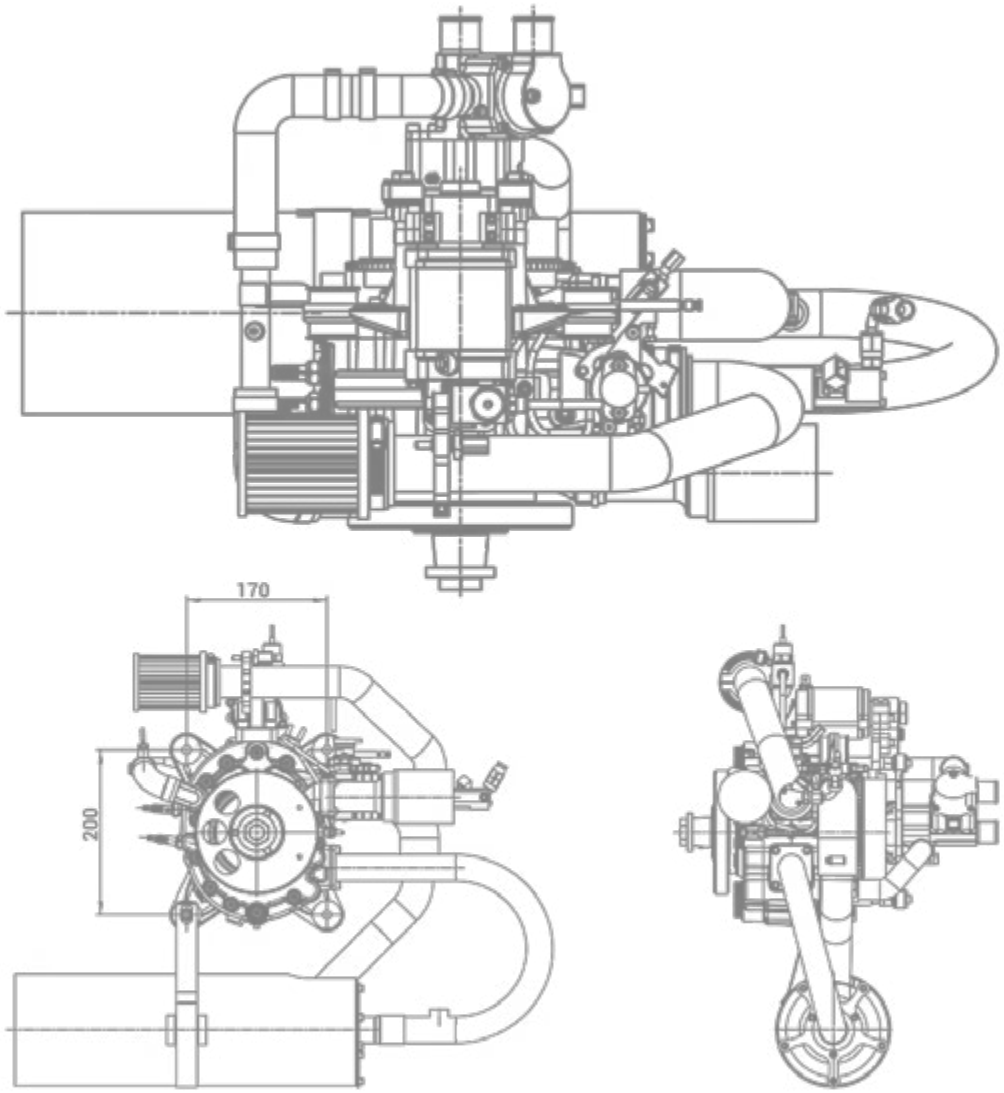
| KEY FEATURES

High-power VTOL & rotorcraft engine

Max Peak Power	Max Peak RPM	Max Continuous	Engine Weight
55HP 14kW	7500RPM	32HP 24kW	28KG (61.7LBS) Complete System
Engine Type	**Displacement**	**Fuel Type**	**Fuel Consumption**
Single Rotor ROTARY ENGINE	300CC	Unleaded 95 Octane	0.56 lbs/HP/hr 345G/KW/HR

| TECHNICAL SPECIFICATIONS

Engine Type	Single [1] Rotor, Rotary
Displacement	300cc
Application	Aviation High Output
Max. Peak	35HP or 50HP
Max. Peak RPM	7500RPM
Max. Continuous	22HP or 32.5HP
TBO	1000Hrs (subject to flight profile)
System Weight	28 KG / 61.7 LBS
Drive Type	Flange, Direct or Reduction (2.5:1 or 2.2:1)
Drive Rotation	Counter-Clockwise
Fuel System	Fuel Injection
Fuel Type	Unleaded 95 Octane / Avgas 100LL
Fuel Consumption	0.56 LBS / Per HP / Per Hour
Cooling	Liquid Cooling
Starting Device	Electric Onboard
Ignition System	Programmable fuel injection with CAN bus
Generator	300W 12V+ Options 2 or 3 KW at 28V



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MADE IN BRITAIN