



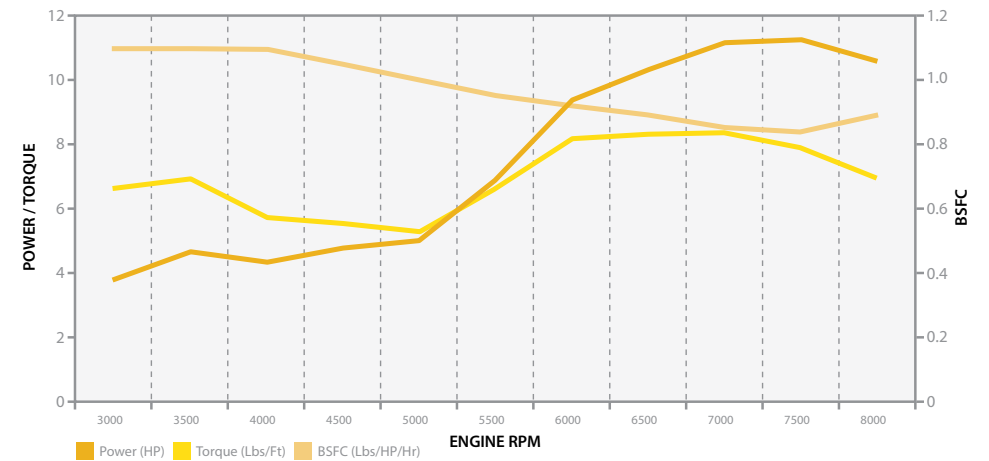
# XT100

The XT100 propulsion system from Rotron is purpose-built for ultra-low-profile installations. This liquid-cooled, single-cylinder two-stroke engine features a fully integrated starter, ignition, battery and exhaust for plug-and-play simplicity.

## TECHNOLOGY

The XT100's advanced two-stroke architecture delivers exceptional power density and rapid throttle response. Its liquid-cooled design maintains optimal thermal stability, while precision porting and integrated electronics ensure smooth, linear power delivery, outstanding efficiency, and a class-leading power-to-weight ratio for demanding aerospace applications.

## PERFORMANCE DATA



## KEY FEATURES

### High-power VTOL & rotorcraft engine

⚡ Max Peak Power	🔄 Max Peak RPM	🕒 Max Continuous	📦 Engine Weight
<b>11HP</b> @ 7000RPM	<b>7000RPM</b>	<b>9.4HP</b> @ 6000RPM	<b>5KG</b> (11 LBS)
🏠 Engine Type	📏 Displacement	⚡ Fuel Type	🕒 Max Torque
Proprietary single cylinder 2-stroke	<b>90CC</b>	<b>Unleaded 95 Octane</b> <small>Full synthetic 2-stroke oil - 50:1</small>	<b>8.4 lbs/ft</b> @ 7000RPM

## TECHNICAL SPECIFICATIONS

<b>Engine Type</b>	Proprietary single cylinder 2-stroke
<b>Fuel Type</b>	Unleaded 95 octane/Full synthetic 2-stroke oil - 50:1
<b>Battery</b>	11.2v Lithium-ion pack
<b>Max. Power</b>	11HP @ 7000RPM
<b>Max. Continuous</b>	9.4HP @ 6000RPM
<b>Max. Torque</b>	8.4 lbs/ft @ 7000RPM
<b>Power-to-weight</b>	2.2 HP/KG
<b>Dimensions</b>	335mm x 156mm x 123mm
<b>Core Weight</b>	5 KG / 11 LBS
<b>Displacement</b>	90cc
<b>Cylinder Head</b>	CNC machined billet
<b>Crankshaft</b>	EN24 crank webs with stainless steel seal collars
<b>Bore / Stroke</b>	50mm (2in) / 50mm (2in)
<b>Cooling</b>	Open loop liquid cooled
<b>Ignition</b>	Rotron ICU CDI unit, total loss multi-spark discharge system
<b>Inlet System</b>	Crankcase ported with carbon reed valve block
<b>Starter</b>	12v DC motor with integrated sprag bearing lubrication
<b>Exhaust</b>	Aluminium liquid cooled race-tuned muffler unit

