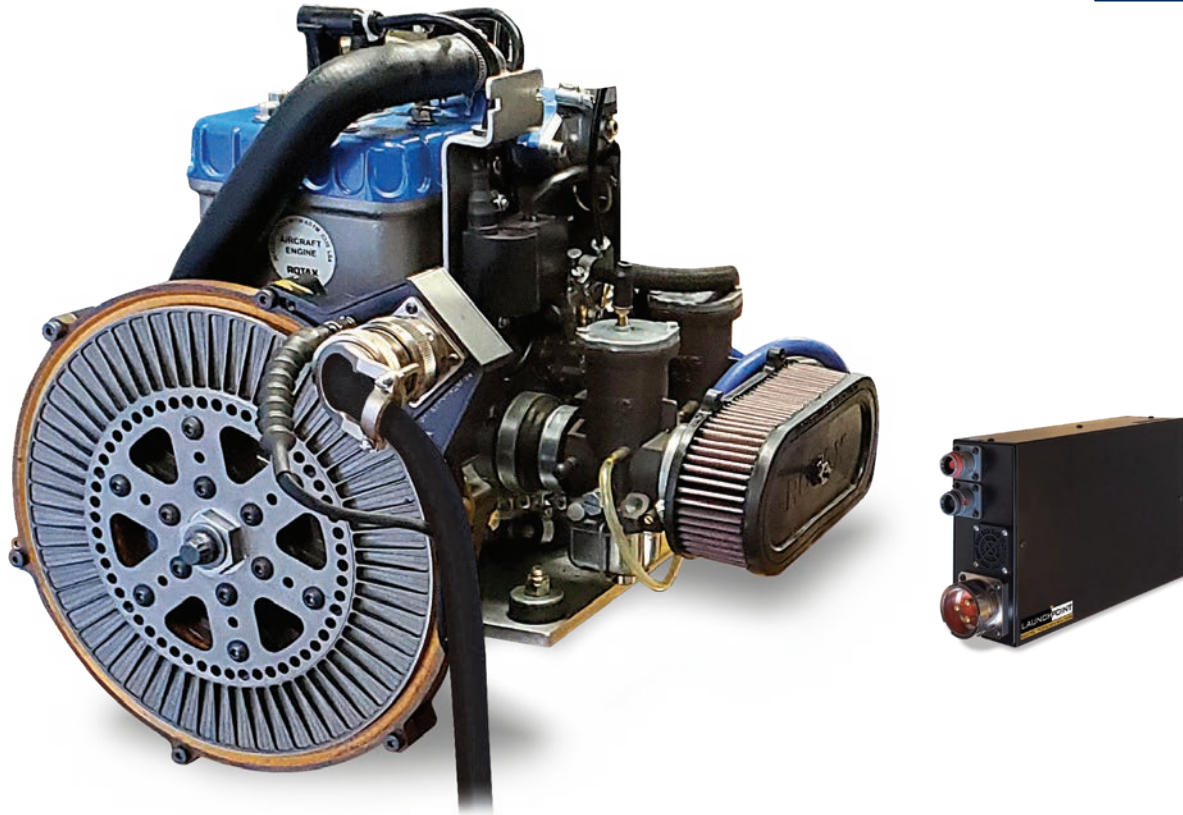


# LAUNCHPOINT™

## ELECTRIC PROPULSION SOLUTIONS

### 40 kW Hybrid Power System 40 kW Peak / 35 kW Continuous



▼ The LaunchPoint HPS400 GenSet is a 40 kW, highly efficient, high specific power generator and hybrid electric power/engine controller system that utilizes patented electric machine and GenSet technology to enable extended range flight.

- Best-in-class power, efficiency and weight
- Long endurance, hybrid electric flight for UAV and UAM
- SmartPoint™ Control Software
- 3.5x greater power density than existing alternator electric machines
- Air-cooled alternator and electronics
- Available today

## Parameters and Specifications

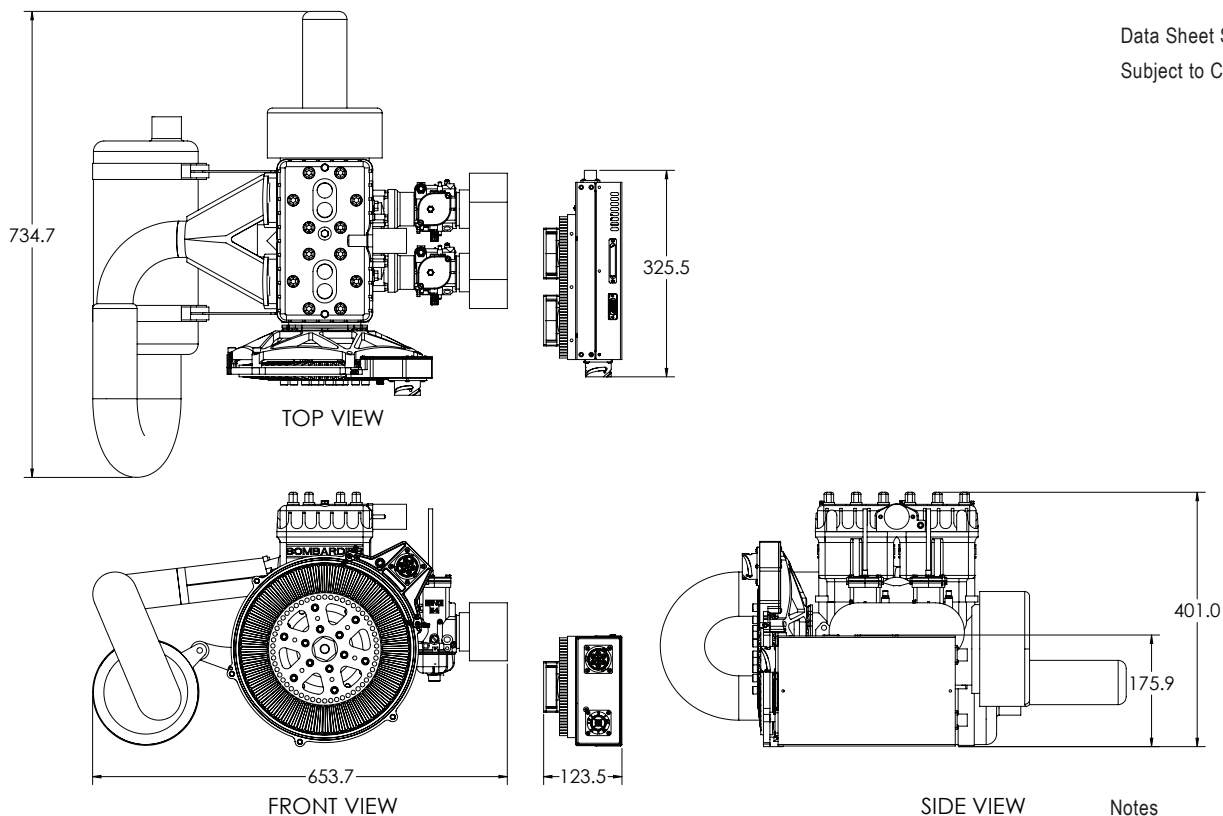
Parameter	Units	Value
Nominal Bus Voltage	V DC	214
Continuous Power, 25 °C Ambient Sea Level	kW	35
Maximum Power, 25 °C Ambient Sea Level <sup>1</sup>	kW	40
Engine		Rotax 582UL
Engine Fuel	40:1	Premix
Engine Combustion Cycle		2-Stroke
Engine Cooling		Liquid
Fuel Consumption at 35 kW	g/kW*hr	554 <sup>2</sup>
Complete System Weight	kg	59
<b>Alternator Specifications<sup>3</sup></b>		
Alternator Cooling		Air
Stator Temperature at 35 kW, 25 °C Ambient Sea Level	°C	145
Weight (rotor, stator, and frame)	kg	4.8

<sup>1</sup> Engine thermal limit dictates maximum time at maximum power level. Engine thermal limit heavily dependent upon application.

<sup>2</sup> Engine fuel consumption is application specific.

<sup>3</sup> Alternator specifications ONLY. Alternator electric machine is capable of more power than the base Rotax 582 engine option can output. Higher power engine options are available.

Data Sheet Specifications  
Subject to Change



Notes  
1. Units are in mm

## 40 kW Hybrid Power System Features

- CAN communications to flight controller for monitoring system status
- Battery management system enables safe in-flight battery charging
- Self-starting
- Automatic throttle control on GenSet to match bus load and share power with battery
- Fans and radiators sized to ensure sufficient engine cooling in hover/low air velocity conditions

Call +1.805.683.9659 x222 or email [Sales@LaunchPointEPS.com](mailto:Sales@LaunchPointEPS.com)

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