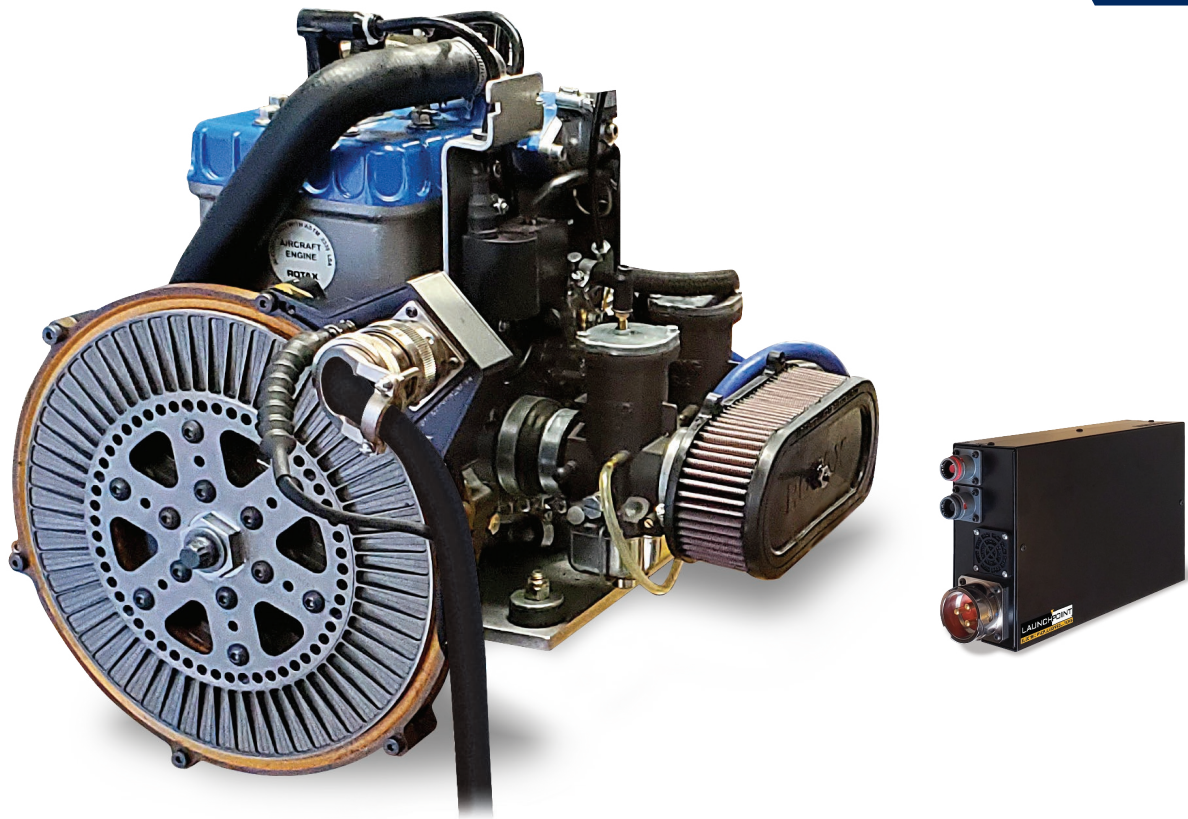


LAUNCHPOINT®

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

System Parameter	Values	
Nominal Bus Voltage	104 V DC	215 V DC
Continuous Power, 25 °C Ambient Sea Level	35 kW	35 kW
Maximum Power, 25 °C Ambient Sea Level ¹	40 kW	40 kW
Engine ²	Rotax 582UL	Rotax 582UL
Engine Combustion Cycle	2-Stroke	2-Stroke
Engine Cooling	Liquid	Liquid
Fuel Consumption at 35 kW ³	566 g/kW*hr	566 g/kW*hr
Complete System Weight	69 kg	64 kg
Alternator Specifications⁴		
Alternator Cooling	Air	Air
Specific Power	4.5 kW/kg	5.6 kW/kg

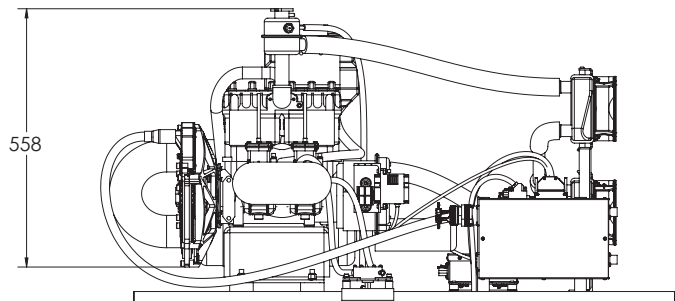
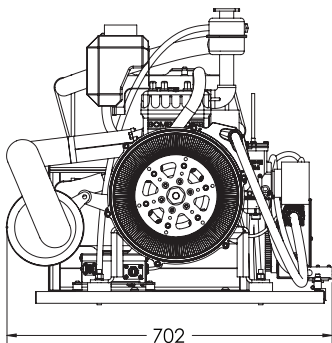
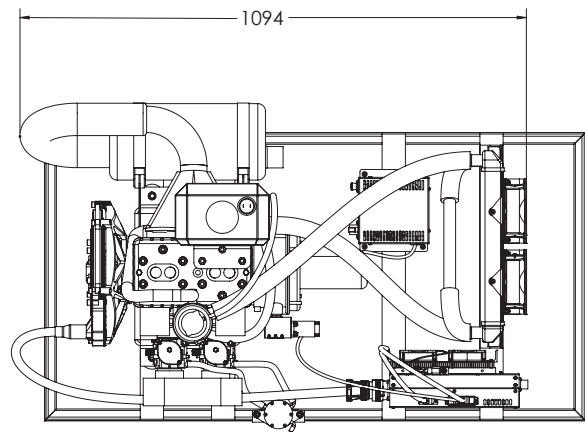
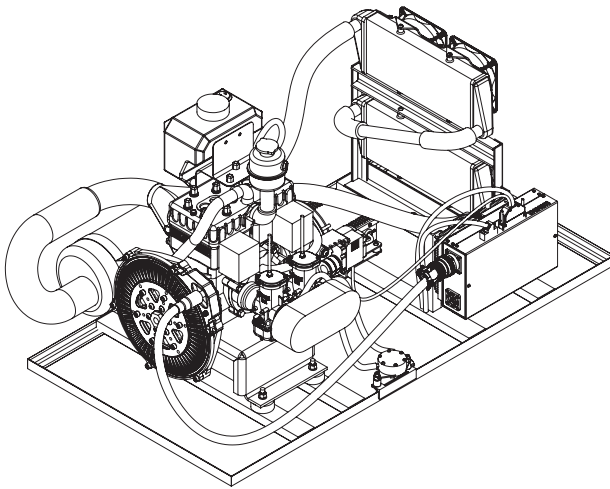
¹ The *alternator* thermal limit dictates maximum time at maximum power level. Thermal limits are heavily dependent on application.

² Replacement engine development underway

³ Engine fuel consumption is application specific.

⁴ 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
2. 215 V System Shown

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 or email Sales@LaunchPointEPS.com

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