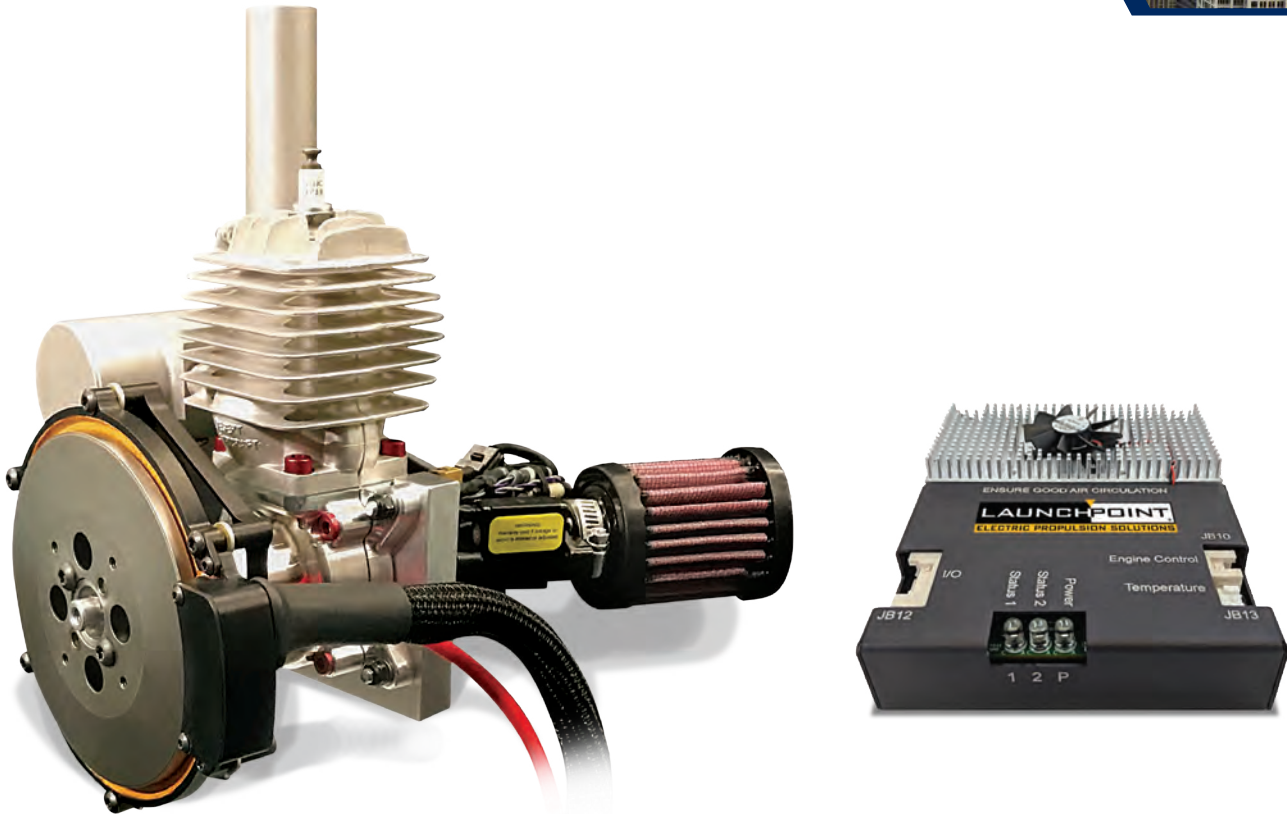


LAUNCHPOINT®

ELECTRIC PROPULSION SOLUTIONS

1.5 kW Hybrid Power System 1.25 kW Continuous



▼ The LaunchPoint® HPS015 Genset is a 1.5 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
- SmartPoint™ Control Software
- 3.5x greater power density than existing alternator electric machines
- Air-cooled alternator and electronics
- Available today

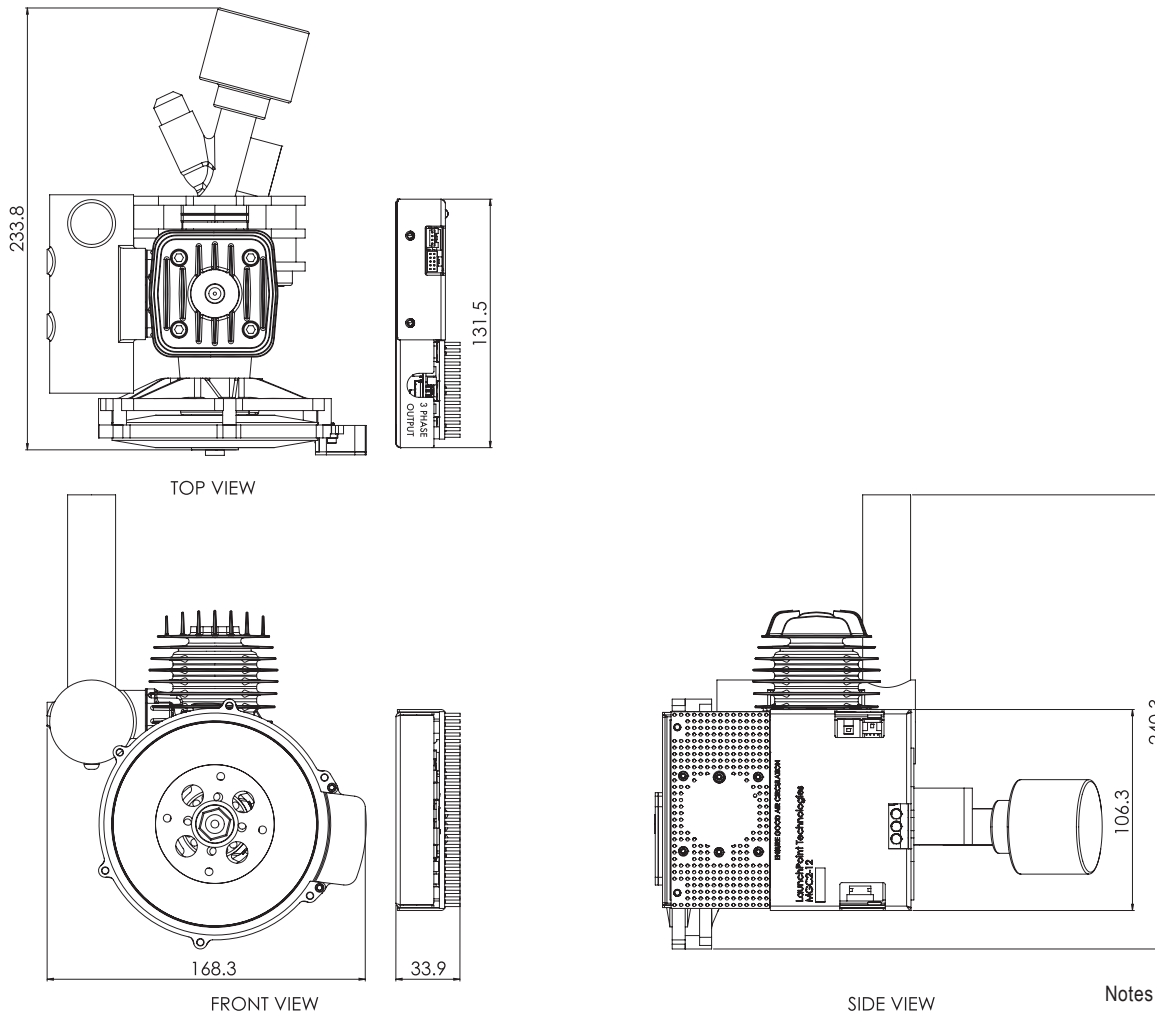
▼ Parameters and Specifications

System Parameter	Units	Value
Nominal Bus Voltage Options (8,500 RPM)	VDC	28 V or 50 V
Continuous Power (8,500 RPM, sea level, 25 °C ambient) ¹	W	1,250
Engine Fuel	40:1	Premix
Engine Displacement	cc	35
Combustion Cycle		2-Stroke
Engine Cooling		Air
Fuel Consumption EFI Estimated (1.25 kW, 8,500 RPM) ²	g/kW*hr	600
System Mass (engine, ignition, muffler, alternator, fan)	g	1,900

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

² Engine fuel consumption is application specific.

Data Sheet Specifications
Subject to Change



Notes

1. Units are in mm

▼ 1.5 kW Hybrid Power System Features

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

Call +1.805.683.9659 x222 or email Sales@LaunchPointEPS.com

www.LaunchPointEPS.com