

HALE

HIGH ALTITUDE
LONG ENDURANCE



DA215 UAV ENGINE TECHNICAL SPECIFICATIONS

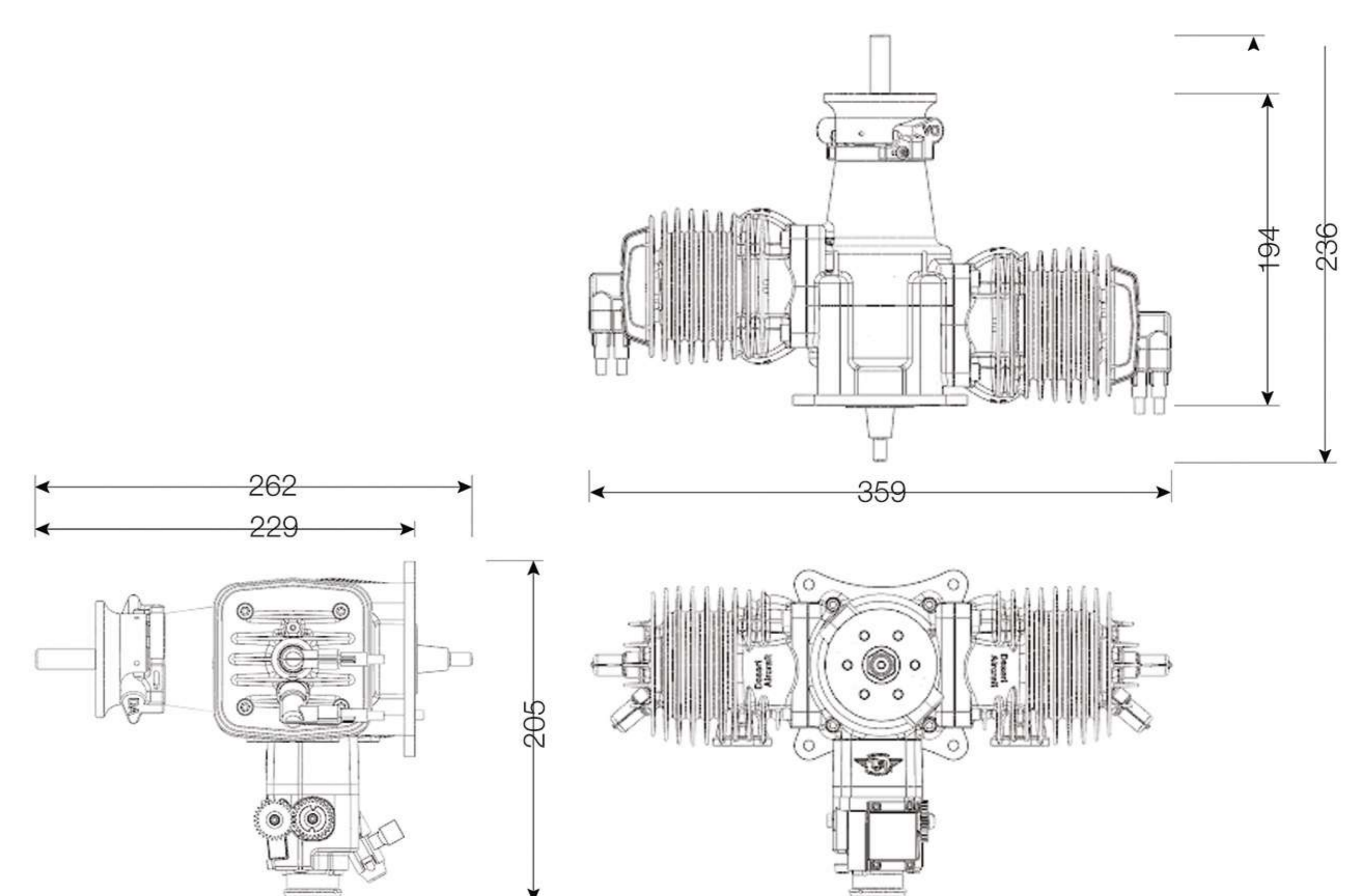
OPERATIONAL SPECIFICATIONS

Input Voltage	16.8v (4S) - 25.2v (6s)
Alternator Options	350W - 8kW
Current Draw Max RPM	2.2amp
Output Power	13hp
System Weight	4.98kg / 10.9lbs
Engine Displacement	215cc, 13.1ci
Engine Control	Electronic Fuel Injection
Ignition (Twinspark)	Capacitive Discharge Ignition
Operating RPM	5,800 RPM
Maximum RPM	7,000 RPM
Telemetry	TTL 9600 Baud rate
Operating Temperature	-15C - +50C
Operational Altitude	0 - 18,000ft
Engine Type	Two Cylinder 2-Stroke
Fuel Type	40:1 Synthetic 2-Stroke
Cooling	Air Cooled
Starting	Optional Alternator
TBO	250h

215 FEATURES

DA215 UAV Features

- Proven Reliability
- Single power supply for the entire engine system
- Light weight
- MIL DTL 83513 wiring harness and connectors
- Automatic altitude tuning based on barometric sensors
- Fuel Injection overheat protection
- Output alternator options
- On-board Data logging SD card
- TTL Engine Telemetry to Flight Control System
- Standard Exhaust or silencer options available
- Automatic engine start via alternator
- Lightweight Throttle body EFI Integration



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