

INF 560 UAV Engine

TECHNICAL SPECIFICATIONS

Part Number (PN): IF560FI, IF560FIALT, IF560FIALTS



OPERATIONAL SPECIFICATIONS

Input Voltage	18.5v (5s) ~ 22.2v (6s)
Engine Rotation	Puller (CCW) Pusher (CW)
Alternator Options	28V (18A) Output
Current Draw full Power	2.5 Amp peak, 1 hour/2,500 mAh
Output Power	39 kW, 52 hp
Starting	Optional Self-Starting via starter kit
Engine Displacement	560 cc, 34.17 cubic inches (ci)
Engine Control	INF Inject Electronic Fuel Injection
Ignition	Electronic Capacitive Discharge
Operating RPM	1,800 to 7,000 RPM
Telemetry	TTL 9600 Baud rate
Operating Temperature	-15°C to +50°C
Operational Altitude	0 - 12,000 ft
Engine Type	4 Cylinder 2-Stroke
Fuel Type	40:1 Synthetic 2-Stroke
Cooling	Air Cooled
TBO	150h
Fuel Consumption	4800 RPM/4950 g/h
Static Thrust	74.7 kg = 2B 30x25

COMPONENT WEIGHTS

System Weight	EFI Engine Including all EFI components: 15.5 kg (34.17 lb)
Optional Starter Kit	3.75 kg (8.27 lb)
Alternator + PMU	1.25 kg (2.76 lb)

INF 560 UAV Features

Proven Reliability

Single power supply for the entire engine system

Light weight 6061 & 7071 Aluminium

Positive Locking Commercial Connectors

Automatic Altitude Compensation

Fuel Injection overheat protection

Up to 65% fuel efficiency improvement with INF Fuel Injection

On-board Data logging SD card + No logging option

Seamless Integration with Autopilot Systems

Standard exhaust / Noise Signature Reducer options available

Automatic engine start via starter kit (Ground only)

Non branded options available

All Engines Run and Calibrated before shipping

Recommended Propeller: 2B 30x25, 32x22, 35x21

