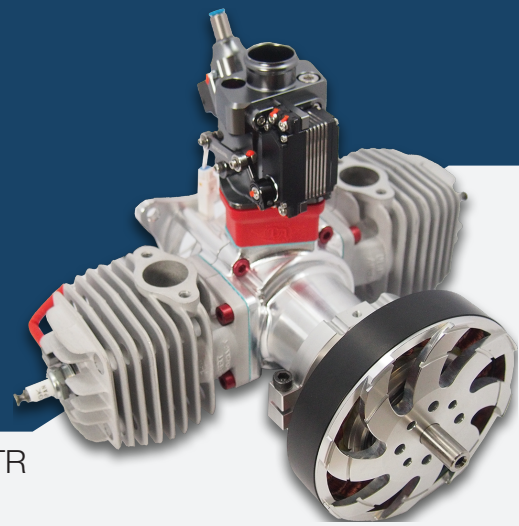




INF DA70 UAV Engine

TECHNICAL SPECIFICATIONS



Part Number (PN): IF70FI, IF70FIALT, IF70FIR, IF70FIALTR

OPERATIONAL SPECIFICATIONS

Input Voltage	16.8v ~ 22.2v
Engine Rotation	Puller (CCW) Pusher (CW)
Alternator Options	48.5v (400W) 24v (110W)
Current Draw full Power	1.5 Amp peak, 1 hour/1,500 mAh
Output Power	4kW / 5HP
Starting	Optional Self-Starting via Alt
Engine Displacement	70cc / 4.28ci
Engine Control	INF Inject Electronic Fuel Injection
Ignition	Electronic Capacitive Discharge
Operating RPM	IF70FI 1,750 to 8,000 RPM IF70FIALT 1,750 to 7,000 RPM
Telemetry	TTL 9600 Baud rate
Operating Temperature	-15°C to +50°C
Operational Altitude	0 - 12,000 ft
Engine Type	Two Cylinder 2-Stroke
Fuel Type	40:1 Synthetic 2-Stroke
Cooling	Air Cooled
TBO	250h

COMPONENT WEIGHTS

System Weight	EFI Engine Including all EFI components: 1950g (4.3 lbs)
Optional Alternator	650g (1.43 lbs)
Optional PMU PN: IFPMU48v200/300	470g (1 lb)

INF DA70 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 alternator + PMU
- Non branded options available
- All Engines Run and Calibrated before shipping
- Recommended Propeller: 2B 24x9, 24x10, 25x8 3B 22x10

