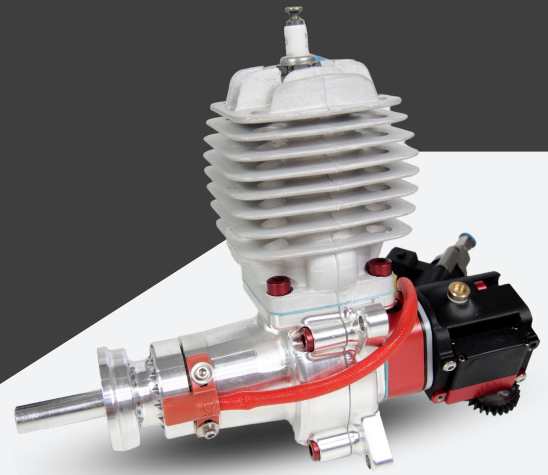




INF DA35 UAV Engine

TECHNICAL SPECIFICATIONS

Part Number (PN): IF35FI, IF35FIALT



OPERATIONAL SPECIFICATIONS

| | |
|--------------------------------|---------------------------------|
| Input Voltage | 18.5v (5s) ~ 22.2v (6s) |
| Generator Options | 1.5kW |
| Alternator Options | 48.5v (200W) 24v (110W) |
| Current Draw full Power | 1 Amp peak, 1 hour/1,000 mAh |
| Output Power | 2.1 kW, 2.8 hp |
| Starting | Self-Starting via Alternator |
| Engine Displacement | 35 cc, 2.14 cubic inches (ci) |
| Engine Control | INF Electronic Fuel Injection |
| Ignition | Electronic Capacitive Discharge |
| Operating RPM | 1,500 RPM to 8,200 RPM |
| Telemetry | TTL 9600 Baud rate |
| Operating Temperature | -15°C to +50°C |
| Operational Altitude | 0 - 12,000 ft |
| Engine Type | One 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: 1590g (3.5 lbs) |
| Optional Alternator | 680g (1.5 lbs) |
| Optional PMU PN: IFPMU48v200/300 | 470g (1 lb) |

INF DA35 UAV Features

- Proven Reliability
- Single power supply for the entire engine system
- Light weight
- 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
- User can enable or disable On-board SD Data Logging
- Non branded options available
- All Engines Run and Calibrated before shipping

