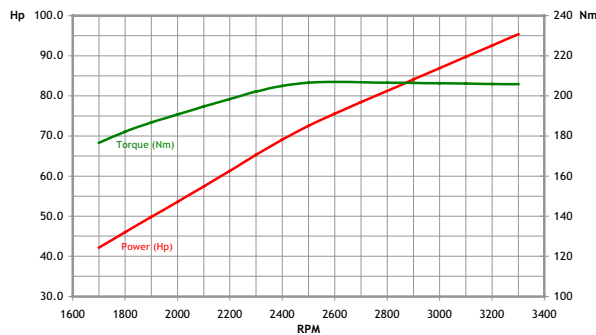


Specifications

| | |
|-------------------------|--|
| Displacement : | 2592 cc [158.17 cu in] |
| Bore : | 105.6 mm [4.157 in] |
| Stroke : | 74 mm [2.913 in] |
| Compression Ratio : | 8.16 : 1 |
| Firing Order : | 1 - 3 - 2 - 4 |
| Direction of Rotation : | Clockwise - Pilot's view - tractor configuration |
| Maximum Torque : | 207 Nm [152.7 ft.lbf] @ 2500 rpm |
| Power rating : | 95 hp @ 3300 rpm |
| DC output (14V) : | 35 Amp (20 Amp available for accessories) |
| Oil capacity : | 2.5 L [0.66 US gal] |
| Fuel : | Unleaded gasoline min. 95 octane rating |

Performance

Performance figures as measured on a dynamometer @ sea level, compensated to ISA air pressure (1013.25hPa) & temp. (15°C)



⚠ ATTENTION

This engine is for use in experimental and ultralight uncertified aircraft only in circumstances in which an engine failure will not compromise safety.



hyperflite

UL260i
95HP AERO ENGINE



UK representative for UL power engines

Hyperflite Ltd

The Old Dairy, Three Arch Bridge
Tisbury, Salisbury, Wiltshire
SP3 6RA

Phone: +44 (0) 1747 870227

Mobile: +44 (0) 790 1717452

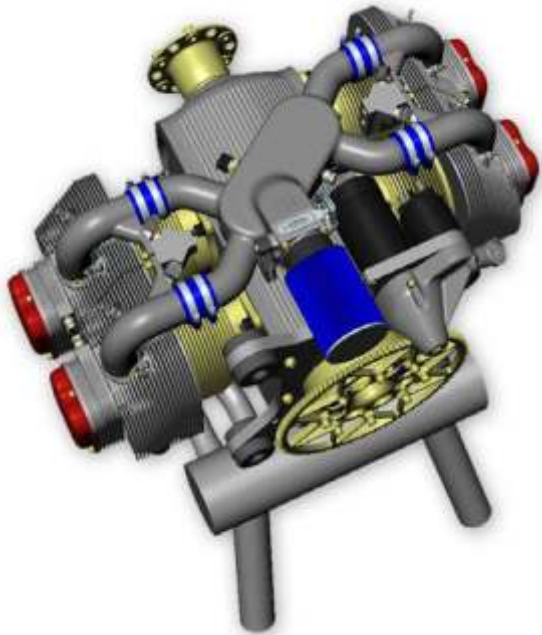
Web: www.hyperflite.co.uk

E-mail: enquiries@hyperflite.co.uk

- ✓ New and modern alternative to the existing 'old technology' aircraft engines
- ✓ FADEC - Full Authority Digital Engine Control
- ✓ Multipoint electronic fuel injection with automatic altitude and temperature compensation
- ✓ Redundant dual circuit Electronic Ignition
- ✓ Optimal fuel efficiency and easy starting
- ✓ No carburettor icing problems
- ✓ Direct drive, low RPM engine
- ✓ Excellent power to weight ratio

■ Introduction

ULPower developed this engine specifically for use in light aircraft (fixed wing & rotorcraft). It is built to the highest standards with a fully electronic ignition and multipoint fuel injection system as standard. This engine is the answer to the discerning aircraft owner who desires a modern and efficient aircraft power plant, instead of the decades old carburettor / magneto technology which no one would accept in their automobiles today.



The design of this engine was based around critical issues such as reliability, light weight, excellent performance, a direct propeller drive and modern, proven technology.

■ Dimensions

| | | |
|----------|--------|---------|
| Length : | 523 mm | 20.6 in |
| Width : | 655 mm | 25.8 in |
| Height : | 467 mm | 18.4 in |

**Excluding exhaust*

■ General Description

- ✓ 4 stroke, 4 cylinder, horizontally opposed
- ✓ Electronic multipoint fuel injection (pressure and temperature compensated)
- ✓ Electronic dual spark ignition (variable timing)
- ✓ Electronic RPM limiter
- ✓ Direct propeller drive
- ✓ 6 bearing crankshaft with large thrust bearing
- ✓ Single central camshaft
- ✓ Push rods, tappets and OHV (hydraulic compensators have not been used)
- ✓ Wet sump forced lubrication with integrated pressure regulator
- ✓ Ram air cooled cylinders and cylinder heads
- ✓ Integrated AC generator, external rectifier-regulator
- ✓ Powerful electric starter
- ✓ Electric fuel pump and pressure regulator to eliminate vapor lock and facilitate starting even under adverse conditions

■ Electronic motor management (FADEC)

The **UL260i** engine is standard equipped with an electronic motor management system. The engine control unit (ECU) ensures the engine is operating at optimum efficiency at all speeds, under all loading conditions and at all times. Manual choke, carburettor icing problems, carburettor heating and the associated power loss is a thing of the past.

The **UL260i's** ECU has been designed by one of **ULPower's** partners and extensively tested and proven for 15 years in the toughest of motor sports. The unit has never been the direct cause of an engine malfunction. Additional redundancy has been built into the ECU for aircraft use.



■ Weight

| | | |
|--------------------------|----------------|-------------------|
| Basic engine : | 60.8 kg | [134.0 lb] |
| Ignition Coils & Leads : | 3.2 kg | [7.0 lb] |
| ECU & wiring loom : | 1.7 kg | [3.7 lb] |
| Exhaust : | 4.1 kg | [9.0 lb] |
| Fuel Pump : | 0.8 kg | [1.7 lb] |
| Fuel Filter : | 0.1 kg | [0.2 lb] |
| Air Filter : | 0.1 kg | [0.2 lb] |
| Rectifier Regulator : | 0.1 kg | [0.2 lb] |
| Engine Mount Dampers : | 0.3 kg | [0.6 lb] |
| Optional Oil Cooler : | 1.0 kg | [2.2 lb] |
| TOTAL WEIGHT : | 72.2 kg | [159.1 lb] |



■ Sales & Availability

The **UL260i** is now available! For the latest information on pricing, orders and delivery times, please contact us or consult our website.

www.hyperflite.co.uk