

FL150J/G & FL200J/G



DESIGN

Designed as a direct replacement for many existing LSA and Kit Built applications. Weighing in at 67kg (147lbs) for the SWIFT and 75kg (165lbs) for the FALCON.

Due to their simplicity of design and reduced package weight, the Swift™ and Falcon™ engines may be used in the following applications: Drones, Marine, Land Vehicles, Military and other space / weight single fuel restricted or designated use applications.

These engines will demonstrate our unique design for achieving the needed horsepower while keeping the weight of the jet burning engine at or below similar AVgas versions of these engines.

There are many advantages to the combined cycle piston operation design. A new concept in high performance aircraft engines with much reduced part count for extended operation and higher TBO's.

FEATURES & BENEFITS

- MULTI-FUEL SOLUTION
- COMBINED CYCLE PISTON 2-STROKE DESIGN
- CONVENTIONAL 4 CYCLE WET SUMP LUBRICATION
- NO VALVE GEAR
- LOW THERMAL LOADING OF THE PISTON
- COMPACT LOW MASS DESIGN
- HIGHER TBO (3,000HRS) DUE TO LOW PART COUNT
- EXTENDED OIL CHANGE PERIODS
- LOW PRESSURE FUEL RAILS
- 30,000' FL CEILING

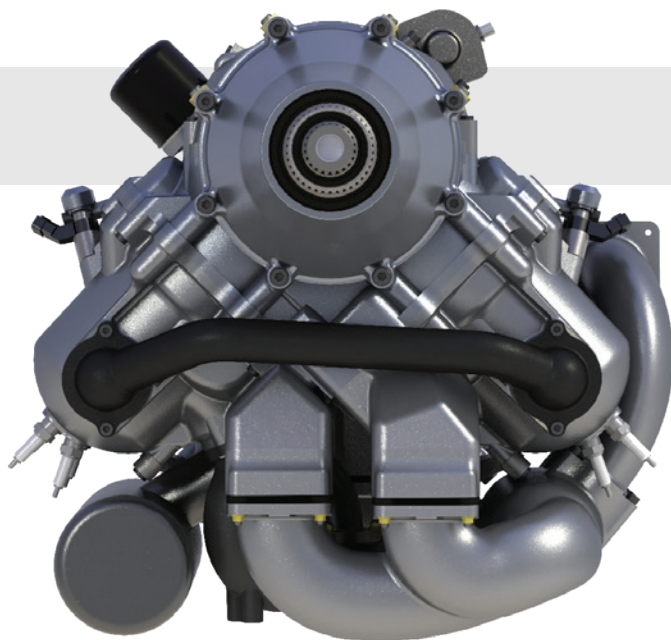


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MODEL	FL150J/G	FL200J/G
MAX RPM	5,300	5,300
PROPELLER RPM	1,992	1,992
GEARBOX RATIO	2.66:1	2.66:1
HP (NA/FI)	115/130	210/250
MAX CONT. HP	85%	85%
SERVICE CEILING NA/FI (ft)	30,000	30,000/45,000
TORQUE (ft.lb)	303	553
BORE (mm/in)	86/3.3858	93/3.6614
STROKE (mm/in)	66/2.5984	86/3.3858
DISPLACEMENT (cc/ci)	1,500/91	2,300/140.45
COMPRESSION RATIO	8.5:1	8.5:1
PROP ROTATION	CW (w/ Optional Contra Rotating)	CW (w/ Optional Contra Rotating)
FUEL	JET A / AUTO / 100LL / HYDROGEN GAS	JET A / AUTO / 100LL / HYDROGEN GAS
WEIGHT* (kg/lb)	67/147.4	75/165
# OF ACCESSORY PADS	3	3
PRICE (MSRP)	\$25,000 (FOB CA)	\$45,000 (FOB CA)
IGNITION KIT (MSRP)	\$7,000	\$7,000

GENERAL AVIATION | EXPERIMENTAL

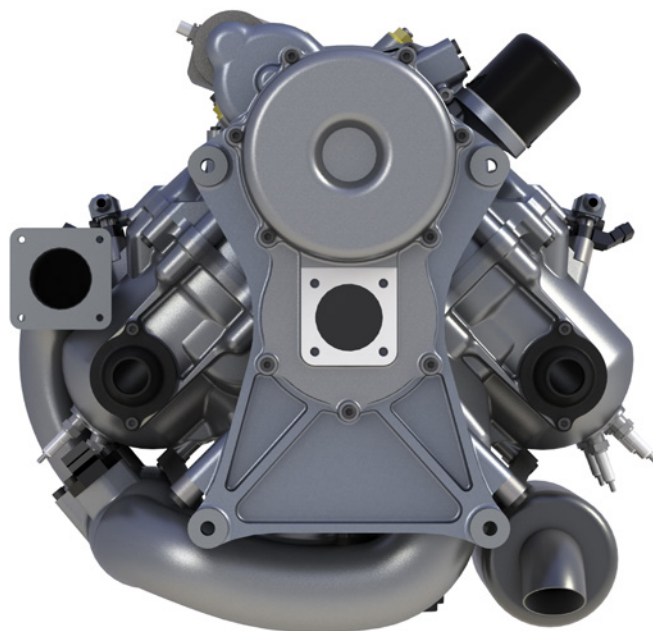
(Installation & design services offered for OEM applications)



FUEL TYPES

Designed to run on industry standard Jet Fuel (Diesel [EN 590], Jet A, Jet A-1, DEF STAN 91-86, JP-8, DEF STAN 91-91, JP-8+ 100, Chinese Jet Fuel No.3)

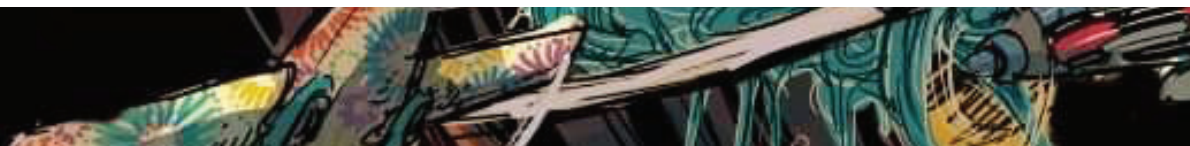
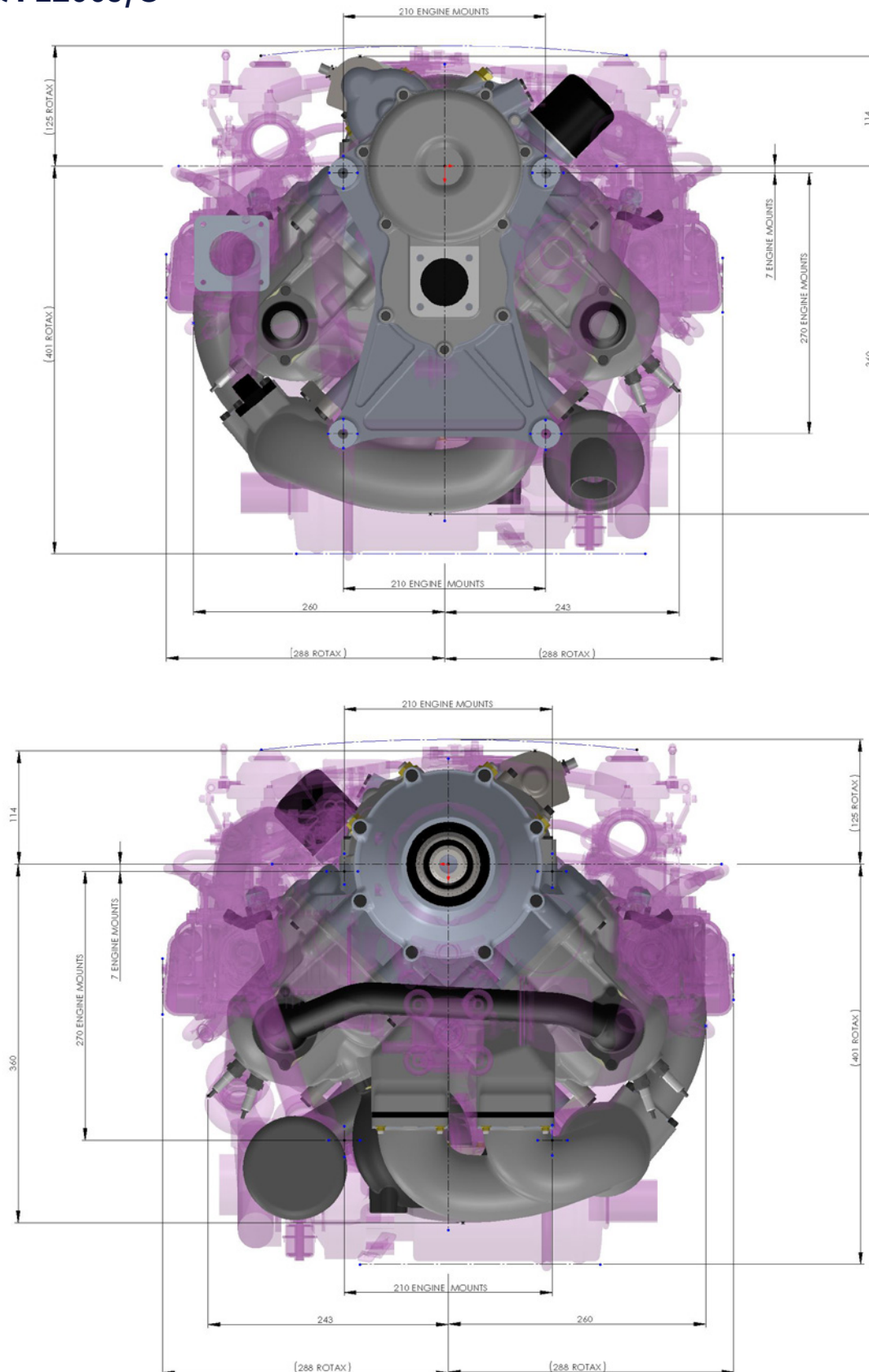
Will also run and perform on all gasolines where necessary, 80, 87, 91, 95 including 100LL along with bio derivatives.



This engine is for use in experimental aircraft only. Before operating the engine read operators manual.



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