

EXPERIMENTAL[®]
360
engine

Model O-360/IO-360

SPORT AVIATION 170 TO 185 HORSEPOWER* ENGINE SERIES

Experience factory-built performance at a homebuilt price.

Created from the most advanced designs and manufacturing techniques and individually assembled by experienced engine craftsmen using 100% FAA approved parts*, the XP-360 Engine[®] is the ideal power choice for your homebuilt airplane or helicopter.



SUPERIOR
AIR PARTS

*XP-Plus engines use new technology, non-certified parts.

FEATURES

- Better materials, better lubrication and better airflow mean better performance
- Updraft or Front Induction Systems Available
- Approved for 91 UL Mogas** and 100LL or 91/98 Avgas
- IO-360 approved for aerobatic aircraft installations
- Standard Accessories include: Fuel Pump, Fuel System, Magnetos, Harness, Starter, Sparkplugs, Oil Filter, Oil Filter Adapter and Prop Governor Adapter if applicable
- Various Ignition and Fuel Injection System Options Available
- Standard XP-360 series engine built up with 100% Parts Manufacturer Approval (PMA) certified parts

PERFORMANCE

Max. Continuous Brake Horsepower	170, 180 or 185***
Max. Recommended Cruise % (hp)	75% (128, 135 or 139***)
Fuel Consumption at Max. Cruise	10.0 (LOP)/11.4 (ROP)gal/hr
Fuel Consumption at Max. Cruise	39.75 (LOP)/40.05 (ROP) liters/hr
Best Brake Specific Fuel Consumption	.43 lb/hp-hr

TECHNICAL DATA

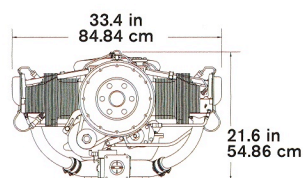
Number of Cylinders	4
Maximum RPM	2700
Bore x Stroke	5.125 x 4.375 in/13.02 x 11.11 cm
Displacement	361 cu. in/ 5.92 liters/6,000 cc
Compression Ratio	7.2:1, 8.5:1 or 9:1***
Propeller	Drive: Direct, AS127 Type 2 Modified Type: Fixed-Pitch or Constant-Speed
Oil Capacity	8 Qts/7.57 liters
Weight	275 to 295 lbs/131 kg to 133 kg depending on model
Engine Mount Types	Type 1 or 2 Dynafocal, Conical
Cylinder Head Temperature	Maximum: 500° F/260° C Maximum Cruise: 430° F/221° C

ENGINE DIMENSIONS

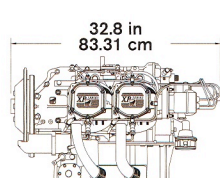
O-360	24.6" H x 33.4" W x 32.8" D 62.48 cm H x 84.84 cm W x 83.31 cm D
IO-360	21.6" H x 33.4" W x 32.8" D 54.86 cm H x 84.84 cm W x 83.31 cm D

*127 to 138 kilowatts
 **Not approved for Mogas containing alcohol
 *** Depending on model

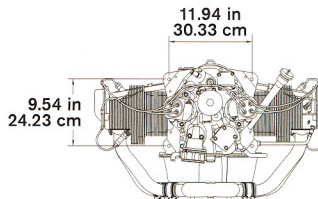
IO-360 Front Induction System shown. Other model dimensions vary.



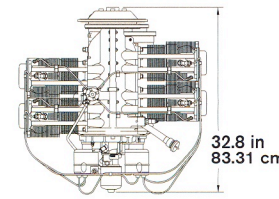
FRONT



SIDE



REAR



TOP

SEA LEVEL PERFORMANCE CURVE (XP-360 180 hp shown)

