





# SCOUT



## TECHNICAL INFORMATION

<b>Seats</b>	<b>3</b>
<b>Power plant</b>	<b>210 - 220 hp</b>
Gross Weight	<b>1985 lbs (900 kg)</b>
Empty Weight	<b>1169 lbs (530 kg)</b>
Normal Cruise	<b>111 mph (187 km/h)</b>
Max. IAS, Sea Level / Standard Day	<b>124 mph (209 km/h)</b>
Autorotation	<b>1279,53 fpm (6,5 m/s)</b>
Rate of Climb	<b>1350 fpm (8 m/s)</b>
Hover Out Of Ground Effect (HOGE) (hot&high version)	<b>12139 ft (3700 m)</b>
Hover in Ground Effect (HIGE)	<b>13780 ft (4200 m)</b>
Service Ceiling	<b>20300 ft (6190 m)</b>
Max. Range of Flight	<b>357 miles (600 km)</b>
Max. Fuel Cruise	<b>3,2 h</b>
Main Rotor Diameter	<b>26-¾ ft (8.16 m)</b>
Tail Rotor Diameter	<b>50-¼ ft (1.2 m)</b>
Overall Length	<b>30-⅔ ft (9 m)</b>
Height	<b>103 in (2.6 m)</b>

## SAFETY & STABILITY

**Landing Gears, Absorb System**

**Powered by legendary Lycoming family Engine** (available engines: Lycoming IO-390, IOX-390LS)

**Autorotation speed**  
**1279,53 fpm (6,5 m/s)**

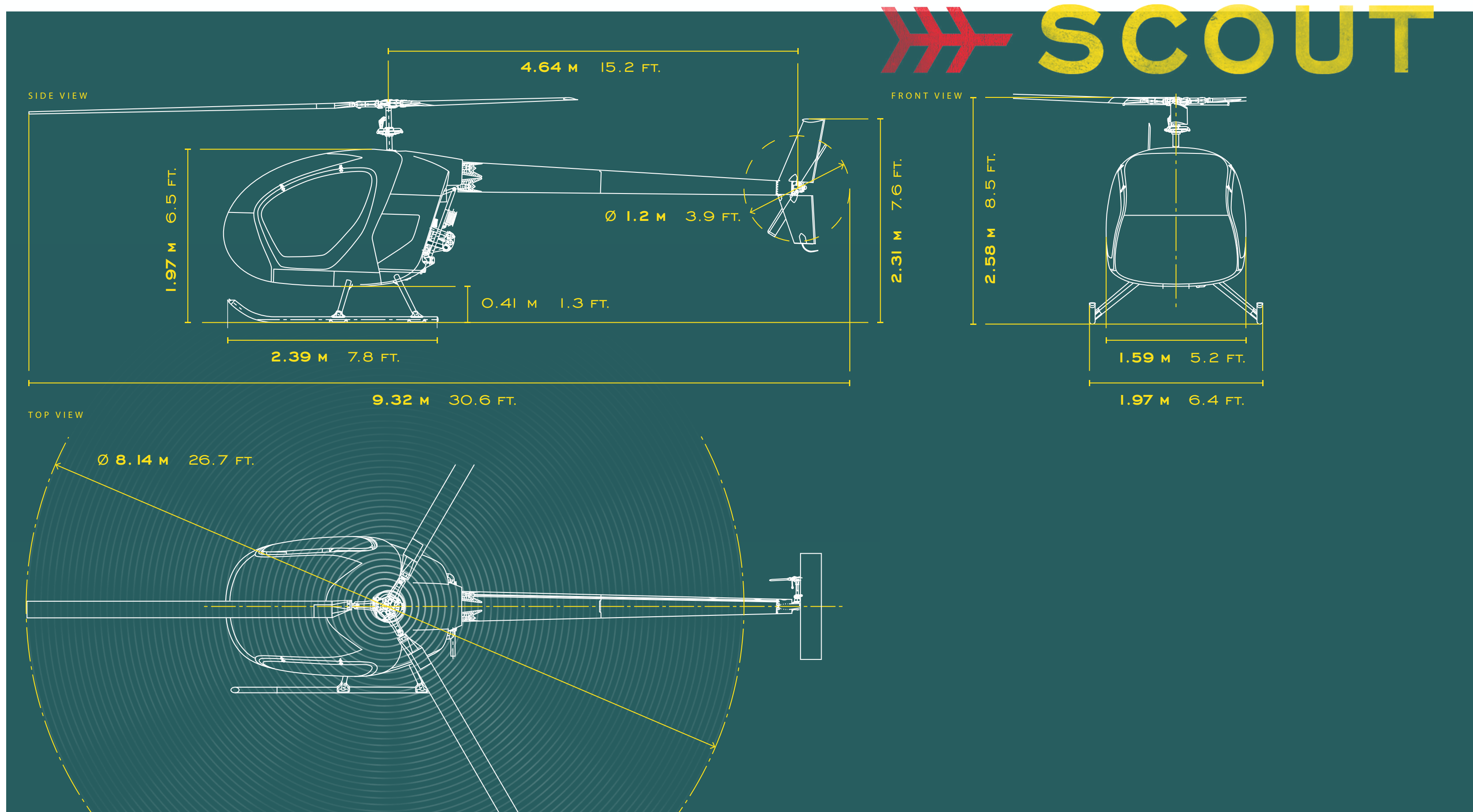
**Successful crash tests**

**2000 hours before TBO**

# SCOUT



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# SCOUT



**Video of flights:**

**<https://youtu.be/-R7wlozI18k>**





# SCOUT



**Video of flights:**

**<https://youtu.be/-R7wlozI18k>**

SCOUT.FLY.FEEL.FIND.  
SCOUT.FLY.FEEL.FIND.  
SCOUT.FLY.FEEL.FIND.





# FEATURES

## SAFETY & RELIABILITY

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- Autorotation speed **1279,53 fpm (6,5 m/s)**
- Landing Gears Absorb System
- Successful crash tests
- Powered by legendary **Lycoming** family Engine (available engines: Lycoming IO-390, IOX-390LS)
- **2000 hours before TBO**

## HIGH PERFORMANCE

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- Normal Cruise **111 mph (187 km/h)**
- Max. IAS, Sea Level / Standard Day **124 mph (209 km/h)**
- Rate of Climb **1350 fpm (8 m/s)**
- Hover Out Of Ground Effect (HOGE) **12139 ft (3700 m)** (hot&high version)
- Useful Payload **772 lbs (350 kg)**
- **3 SEATS**

## ERGONOMIC DESIGN & COMFORT

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- Stylish modern design
- Real big and very comfortable cabin
- Ergonomic design of cabin



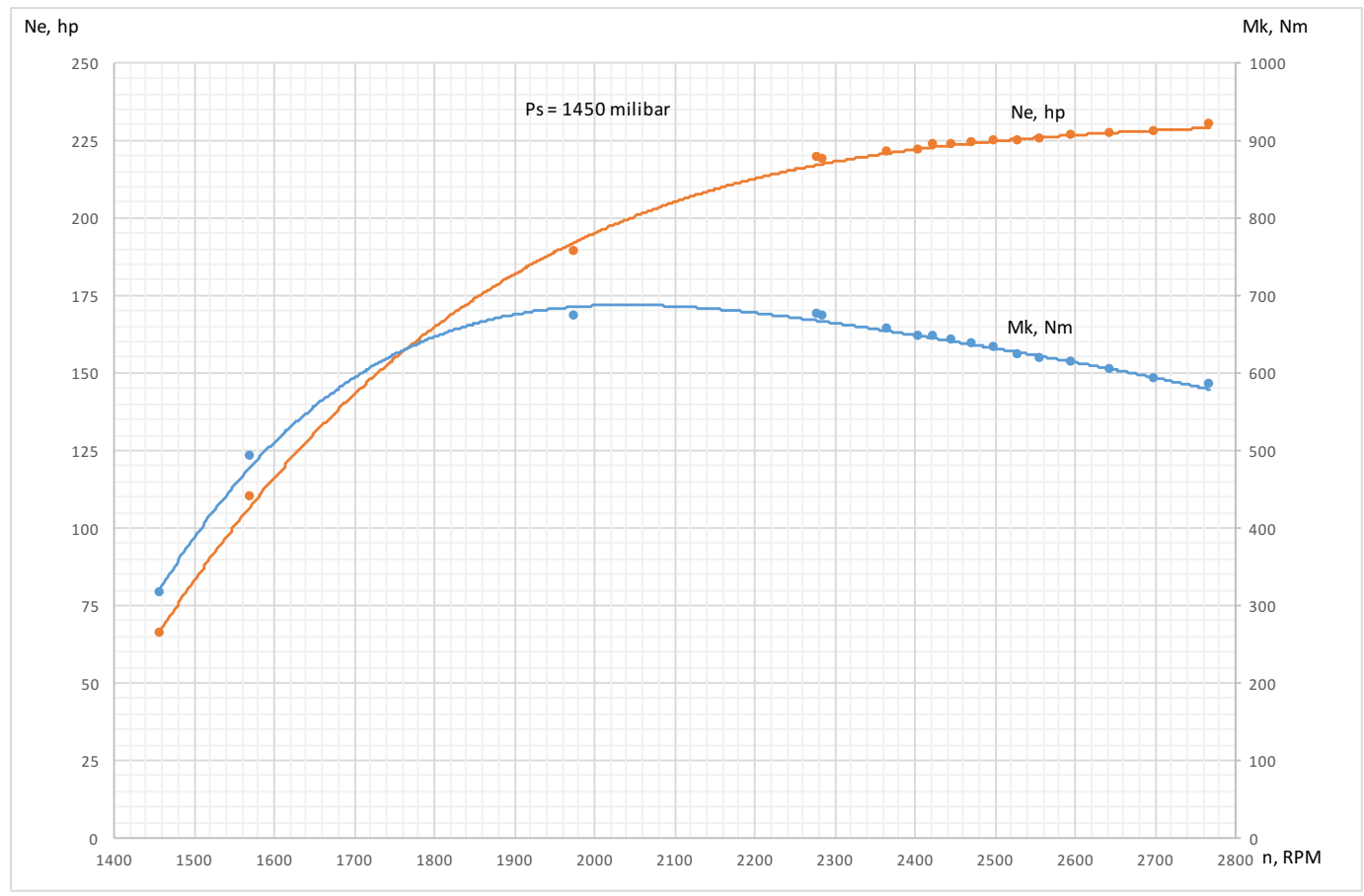
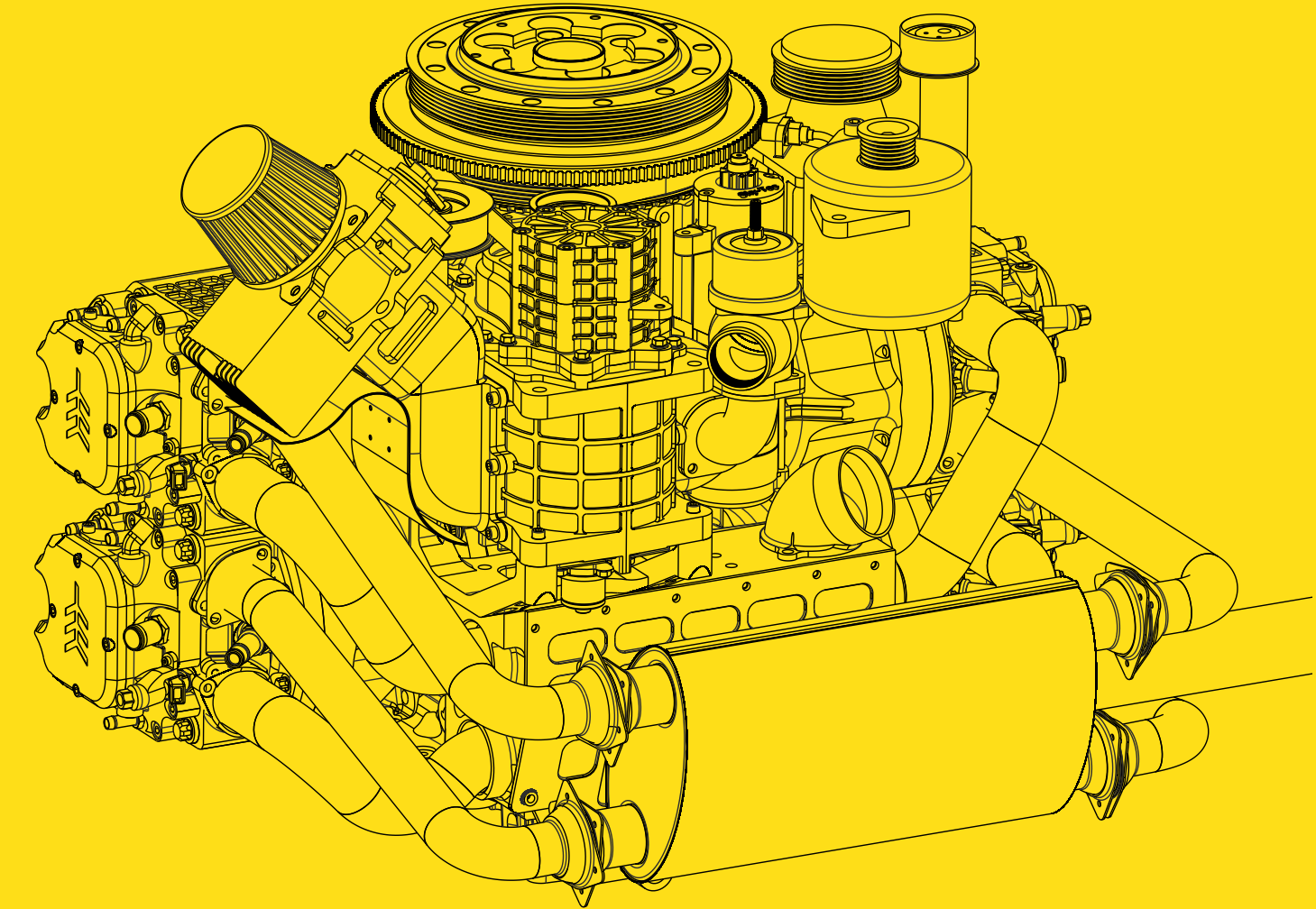
# OPTIONS

## ENGINES

Engines (models)*	Power (hp)	HOGE(feet/meters) **	max OAT (F/C)	Fuel
IO-390	210	5577/1700	95/35	100LL
IOX-390LS	220	12139/3700	104/45	100LL/Mogas



# TECHNICAL INFORMATION



**Power/RPM**  
for IOX-390LS with supercharger option

\* For all models governor is included  
 \*\* For useful payload @595lbs/270kg



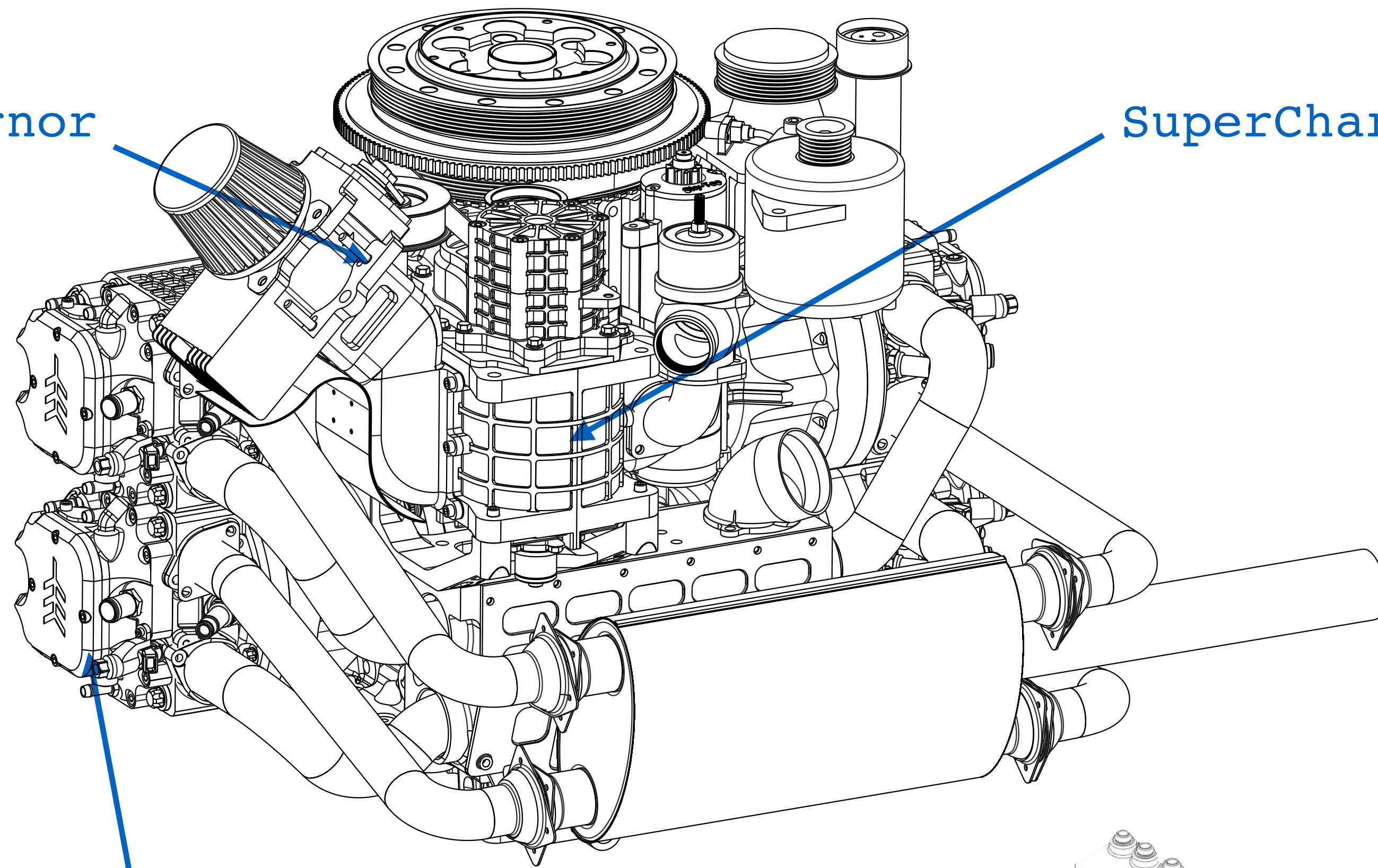
# IOX-390LS



## TECHNICAL INFORMATION

Governor

SuperCharger



Liquid Cooling Cylinder

MODEL

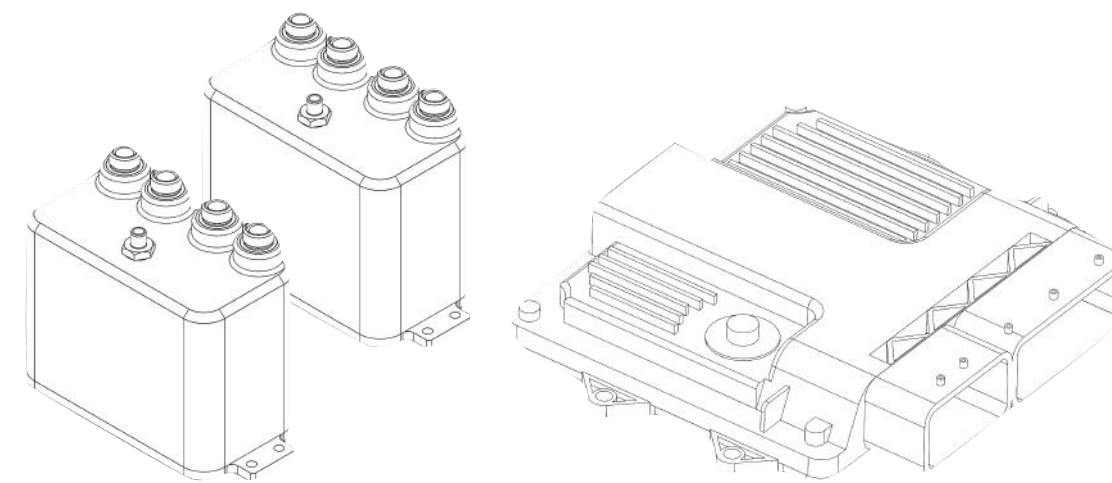
IOX-390-LS

POWER

220hp@2700rpm

FUEL

AVGAS, MOGAS



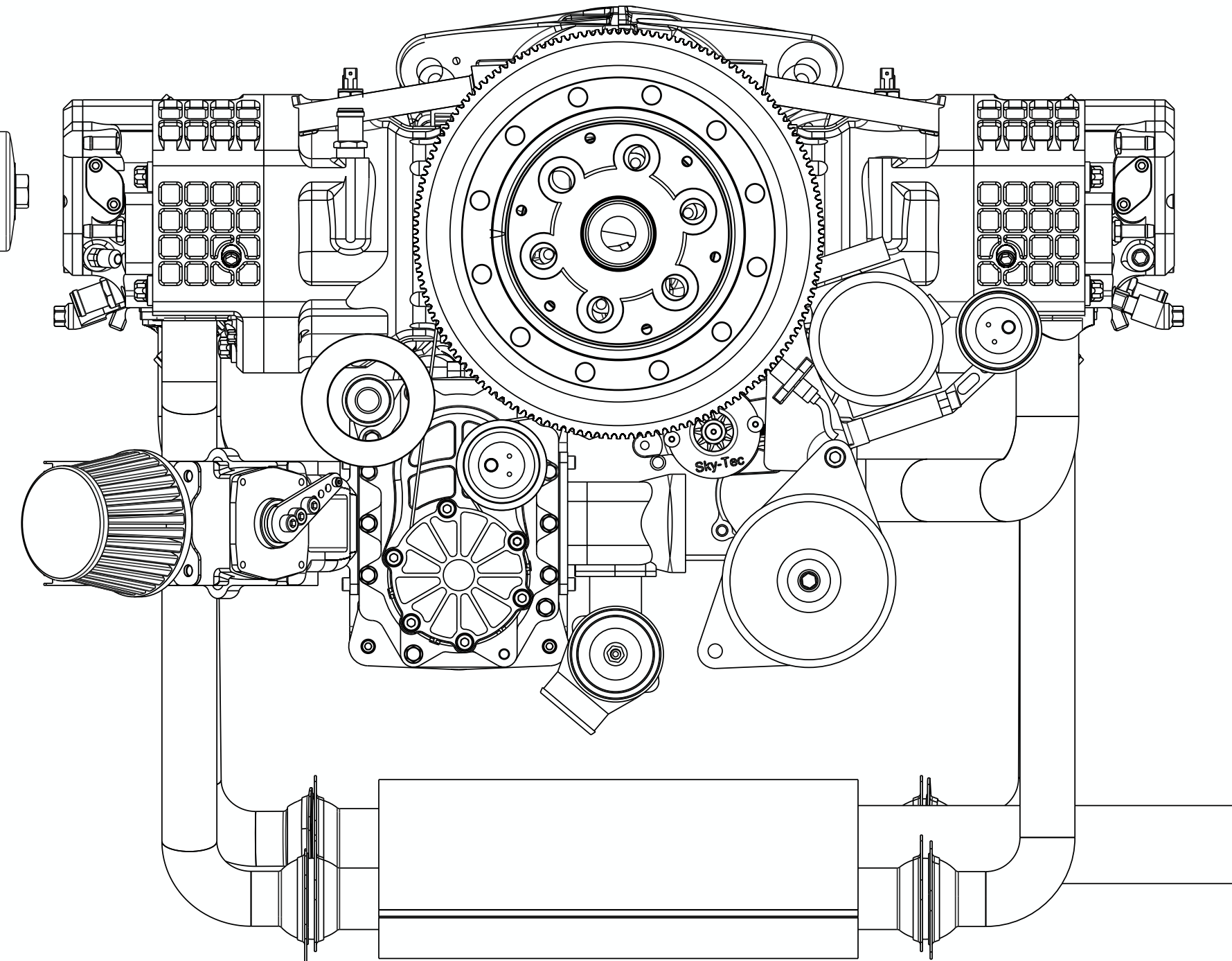
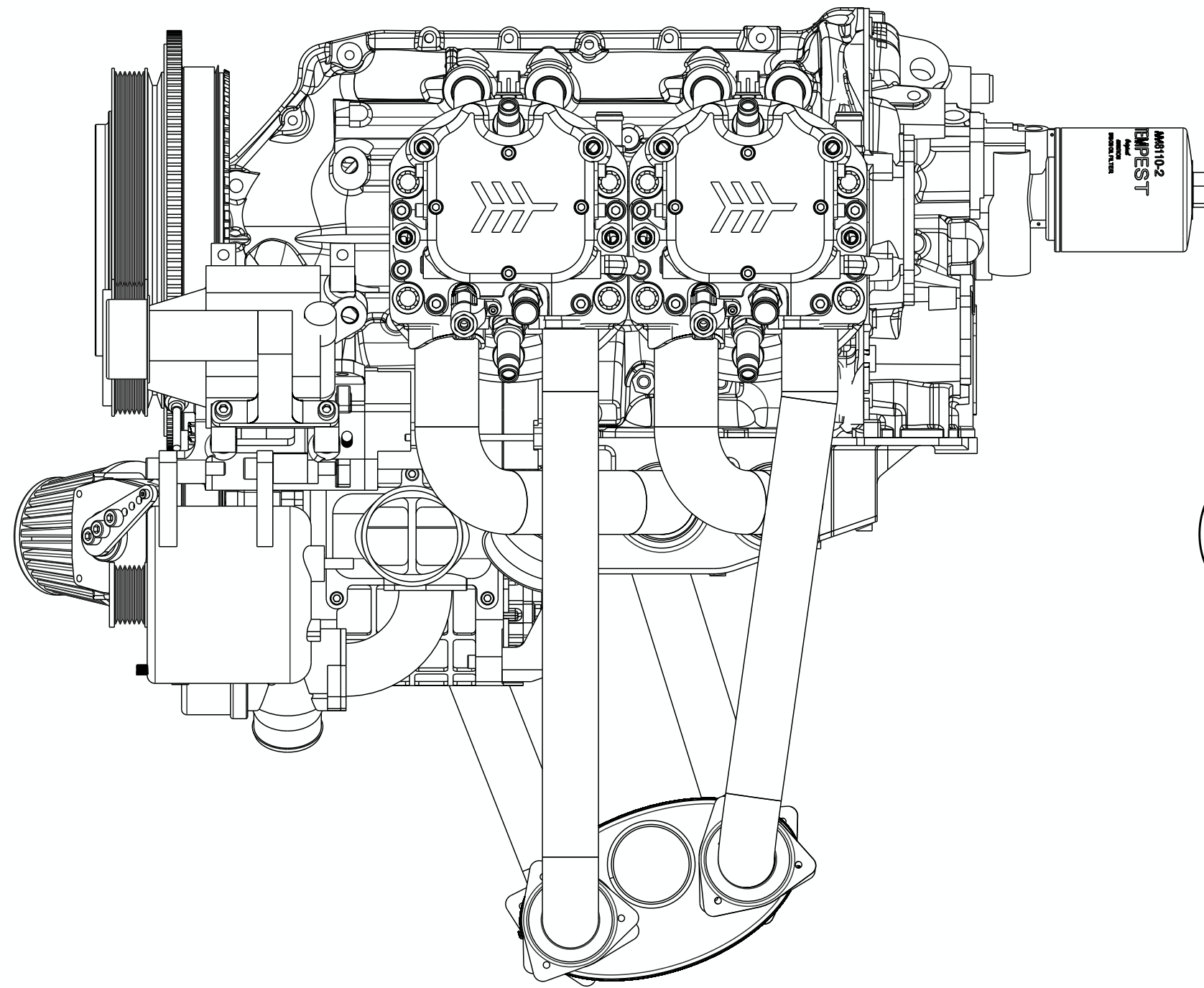
Electronic Ignition



# IOX-390LS



## TECHNICAL INFORMATION



MODEL

IOX-390-LS

POWER

220hp@2700rpm

FUEL

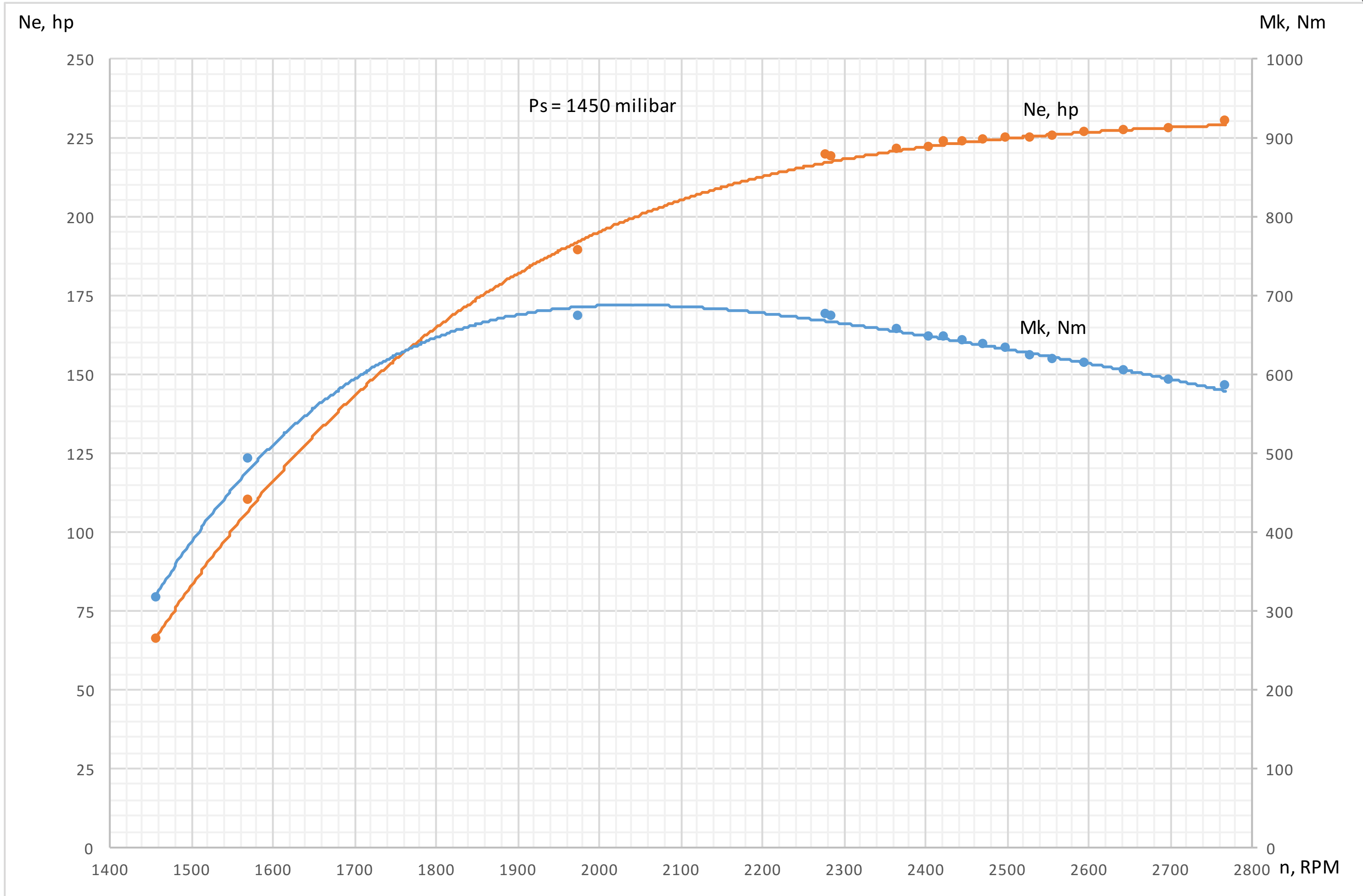
AVGAS , MOGAS



# IOX-390LS



## TECHNICAL INFORMATION



MODEL  
IOX-390-LS

POWER  
220hp

FUEL  
AVGAS, MOGAS



# IOX-390LS

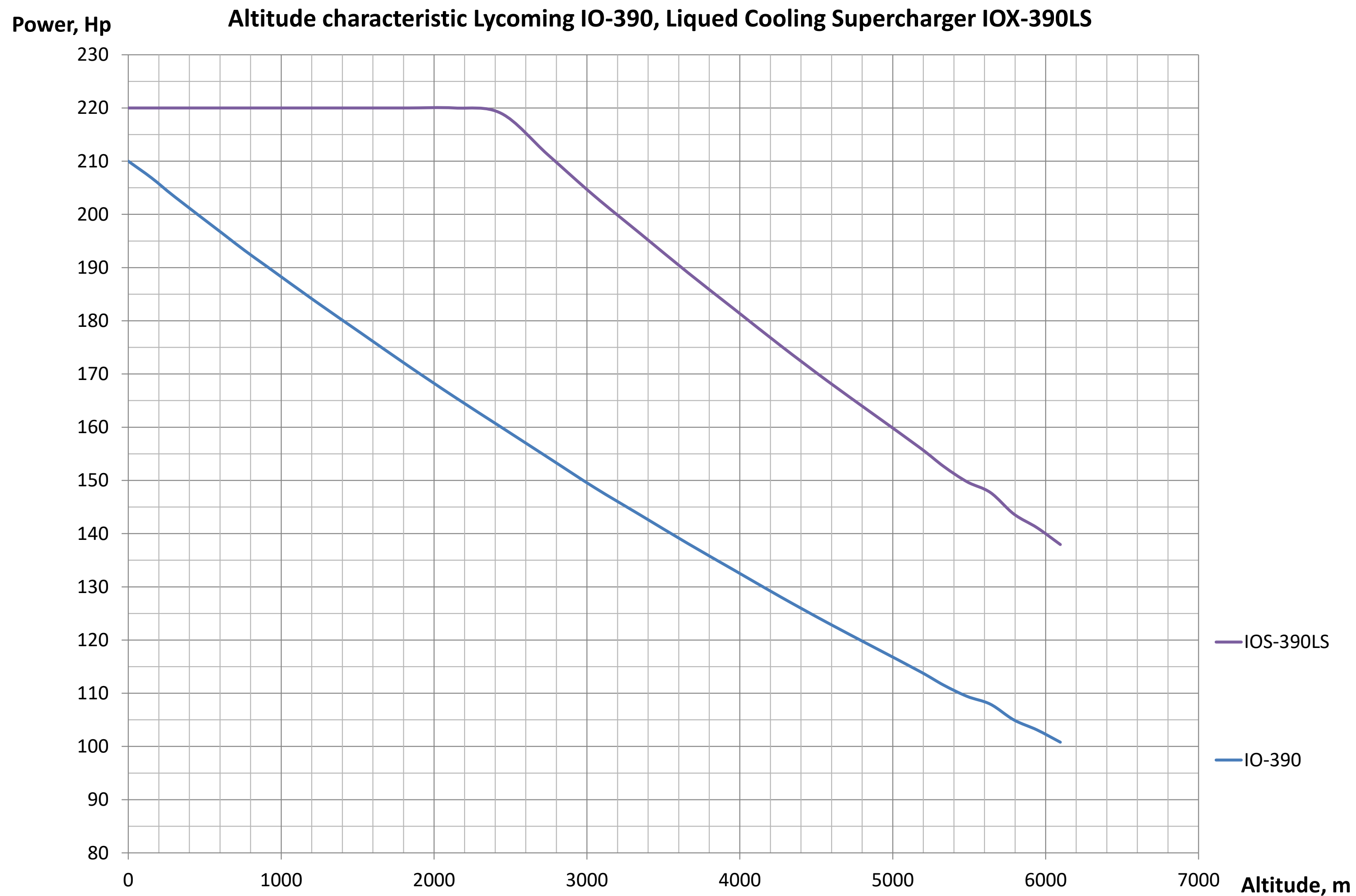


## TECHNICAL INFORMATION

MODEL  
IOX-390-LS

POWER  
220hp

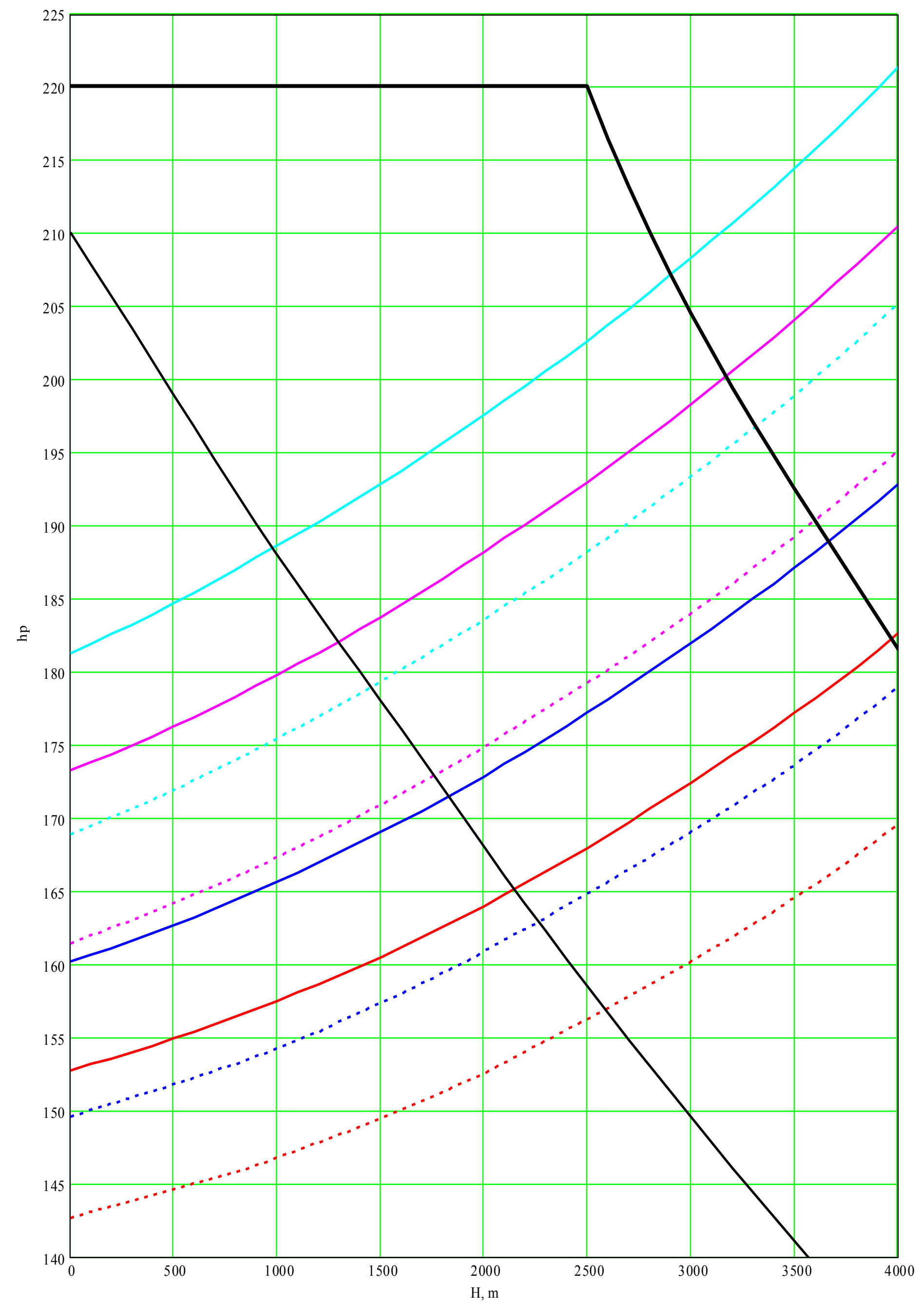
FUEL  
AVGAS, MOGAS





# OPTIONS

- OGE 790 kg
- ... IGE 790 kg
- OGE 820 kg
- ... IGE 820 kg
- OGE 870 kg
- ... IGE 870 kg
- OGE 900 kg
- ... IGE 900 kg
- IO-390
- IOS-390LS



TECHNICAL  
INFORMATION



# BASE CONFIGURATIONS



## TECHNICAL INFORMATION

	<b>ISA</b>	<b>HOT&amp;HIGH</b>
Engine	IO-390	IOX-390LS
Governor (automatic rotor rpm correction)	+	+
Avionics and instruments	Instruments+EMS	Instruments+EMS
Radio	Garmin GTX-225	Garmin GTX-225
HOT&HIGH Engine Kit	-	+
3 Seats with leather cover	+	+
3 Inertial seat belts	+	+
Base interior	+	+
External Paint	+	+
<b>PRICE</b> (EXW Kiev, Ukraine)	\$195 000	\$215 000



# OPERATING COST



## TECHNICAL INFORMATION

ISA CONFIGURATION (AIR COOLING LYCOMING IO-390)	Hours	Unit Cost	Cost per Hour
<b>RESERVE FOR OVERHAUL</b>			<b>\$34,50</b>
2000 Hour Engine Overhaul (\$24,000 include labor)	2000	\$29 000	\$14,50
2000 Hour Aircraft Overhaul Parts Kit (\$28,000) (Includes new bearings, seals, belts, etc., and life-limited components with less than 2000 hours remaining.)	2000	\$28 000	\$14,00
500 rotor head torsion strip kit(\$3,000)	500	\$3 000	\$6,00
<b>DIRECT OPERATING COST</b>			<b>\$55,78</b>
Fuel @ <b>\$5.76</b> per gallon and <b>9,24</b> gph for average use ( <b>ISA</b> )			\$53,22
Oil			\$0,63
Unscheduled Maintenance, Parts and Labor @ \$35 per hour			\$1,93
<b>TOTAL</b>			<b>\$90,28</b>
<b>OPERATING COST-PER-ROAD MILE</b>			<b>\$0,90</b>

CONFIGURATION  
ISA

POWER  
IO-390

FUEL  
AVGAS@\$5,76 PG

TOTAL  
\$90,28 per hour



# OPERATING COST



## TECHNICAL INFORMATION

HOT&HIGH CONFIGURATION (LIQUID COOLING LYCOMING IOX-390LS)	Hours	Unit Cost	Cost per Hour
<b>RESERVE FOR OVERHAUL</b>			<b>\$34,50</b>
2000 Hour Engine Overhaul (\$24,000 include labor)	2000	\$29 000	\$14,50
2000 Hour Aircraft Overhaul Parts Kit (\$28,000) (Includes new bearings, seals, belts, etc., and life-limited components with less than 2000 hours remaining.)	2000	\$28 000	\$14,00
500 rotor head torsion strip kit(\$3,000)	500	\$3 000	\$6,00
<b>DIRECT OPERATING COST</b>			<b>\$61,10</b>
Fuel @ \$5.76 per gallon and 10,16 gph for average use (HOT&HIGH)			\$58,54
Oil			\$0,63
Unscheduled Maintenance, Parts and Labor @ \$35 per hour			\$1,93
<b>TOTAL</b>			<b>\$95,60</b>
<b>OPERATING COST-PER-ROAD MILE</b>			<b>\$0,96</b>

**CONFIGURATION**  
**HOT&HIGH**

**POWER**  
**IOX-390LS**

**FUEL**  
**AVGAS@\$5,76 PG**

**TOTAL**  
**\$95,60 per hour**



# OPERATING COST



## TECHNICAL INFORMATION

HOT&HIGH CONFIGURATION (LIQUID COOLING LYCOMING IOX-390LS)	Hours	Unit Cost	Cost per Hour
<b>RESERVE FOR OVERHAUL</b>			<b>\$34,50</b>
2000 Hour Engine Overhaul (\$24,000 include labor)	2000	\$29 000	\$14,50
2000 Hour Aircraft Overhaul Parts Kit (\$28,000) (Includes new bearings, seals, belts, etc., and life-limited components with less than 2000 hours remaining.)	2000	\$28 000	\$14,00
500 rotor head torsion strip kit(\$3,000)	500	\$3 000	\$6,00
<b>DIRECT OPERATING COST</b>			<b>\$40,66</b>
Fuel @ \$3.75 per gallon and 10,16 gph for average use (HOT&HIGH)			\$38,10
Oil			\$0,63
Unscheduled Maintenance, Parts and Labor @ \$35 per hour			\$1,93
<b>TOTAL</b>			<b>\$75,16</b>
<b>OPERATING COST-PER-ROAD MILE</b>			<b>\$0,75</b>

CONFIGURATION  
HOT&HIGH

POWER  
IOX-390LS

FUEL  
MOGAS@\$3,75 PG

TOTAL  
\$75,16 per hour

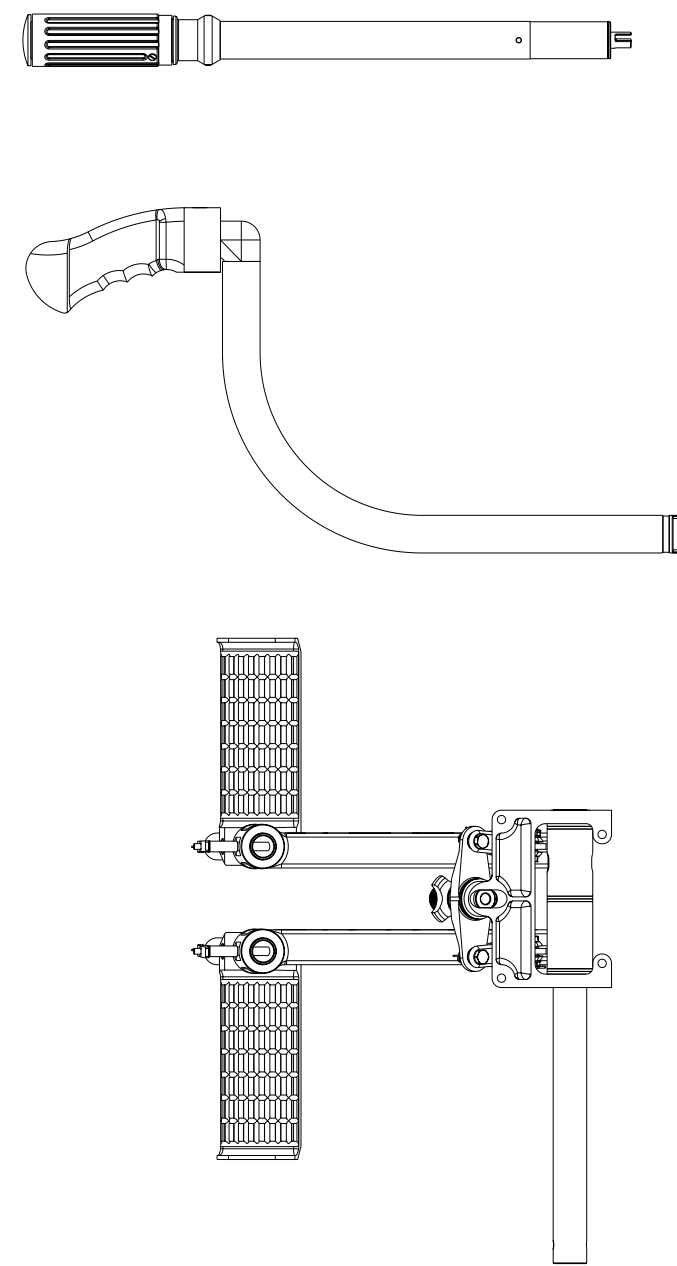


# OPTIONS



## TECHNICAL INFORMATION

### SECOND CONTROL SET



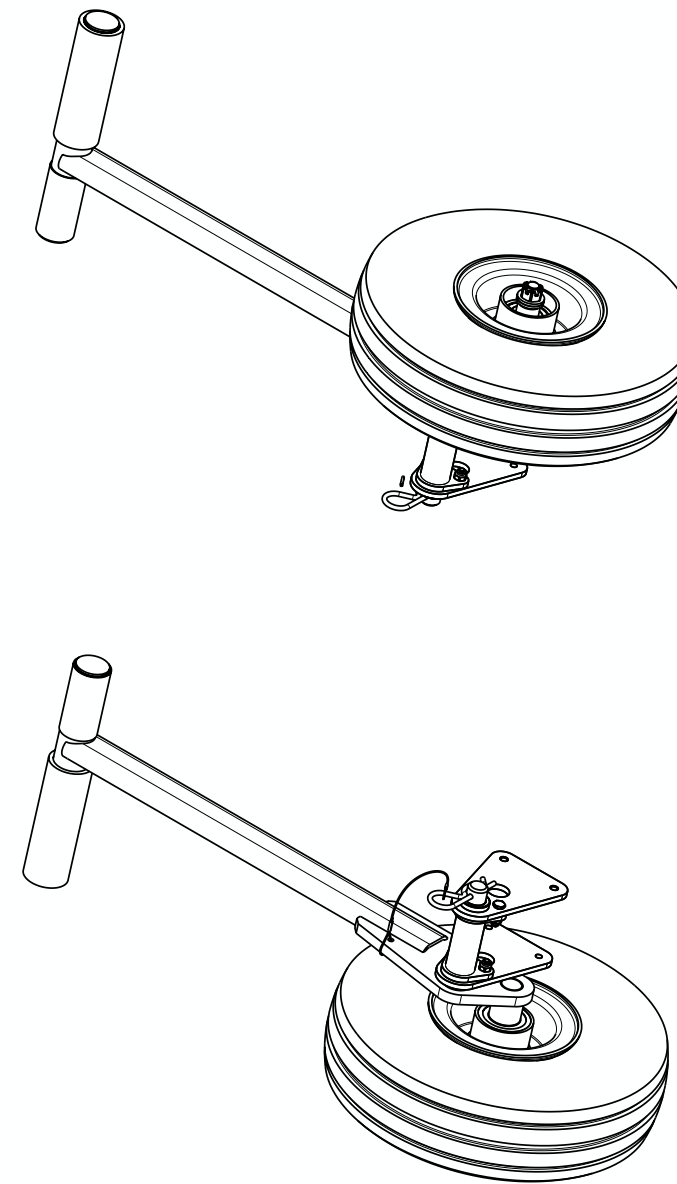
\$2900

### OUTDOOR COVER

- CABIN COVER
- MAIN ROTOR HEAD COVER
- MAIN ROTOR BLADES COVER
- TAIL ROTOR HUB COVER
- TAIL ROTOR BLADES COVER

\$2600

### TRANSPORT WHEELS



\$750



# OPTIONS

## AVAILABLE SOON

HEATER SYSTEM

\$ 800

EXTERNAL CARGO BOX

\$ 1 500

CLIMATE CONTROL SYSTEM

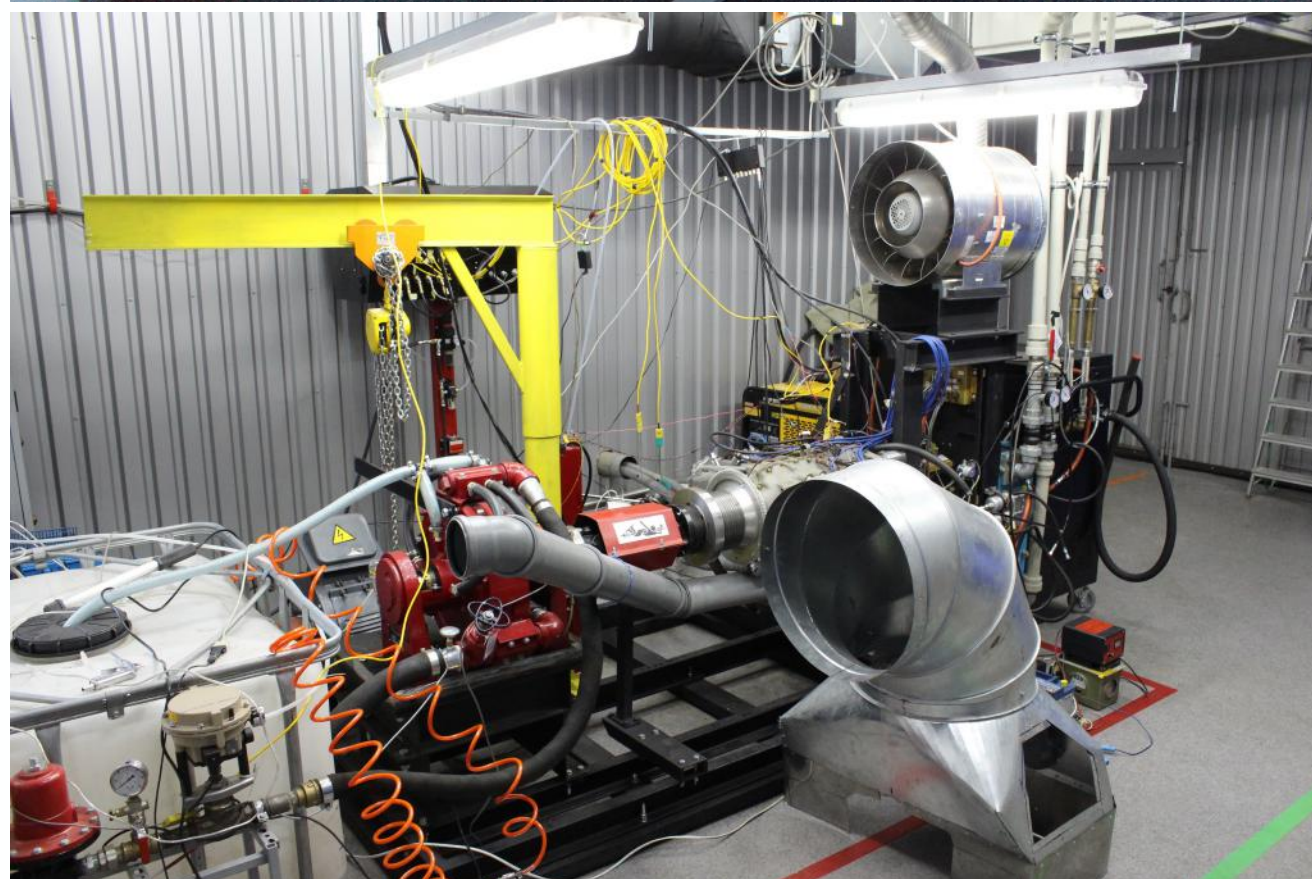
\$ 4 500



# TECHNICAL INFORMATION



# ABOUT R&E CENTER HORIZON



**Professional R&D team**

**Full-cycle production**

**Reach experience  
in aviation projects**





FLY  
FEEL  
FIND

[www.scout.aero](http://www.scout.aero)