



SCOUT



TECHNICAL INFORMATION

Seats	3
Power plant	210 - 220 hp
Gross Weight	1985 lbs (900 kg)
Empty Weight	1169 lbs (530 kg)
Normal Cruise	111 mph (187 km/h)
Max. IAS, Sea Level / Standard Day	124 mph (209 km/h)
Autorotation	1476,38 fpm (7,5 m/s)
Rate of Climb	1350 fpm (8 m/s)
Hover Out Of Ground Effect (HOGE) (hot&high version)	12139 ft (3700 m)
Hover in Ground Effect (HIGE)	13780 ft (4200 m)
Service Ceiling	20300 ft (6190 m)
Max. Range of Flight	357 miles (600 km)
Max. Fuel Cruise	3,2 h
Main Rotor Diameter	26-¾ ft (8.16 m)
Tail Rotor Diameter	50-¼ ft (1.2 m)
Overall Length	30-⅔ ft (9 m)
Height	103 in (2.6 m)

SAFETY & STABILITY

Landing Gears, Absorb System

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

Autorotation speed
1476,38 fpm (7,5 m/s)

Successful crash tests

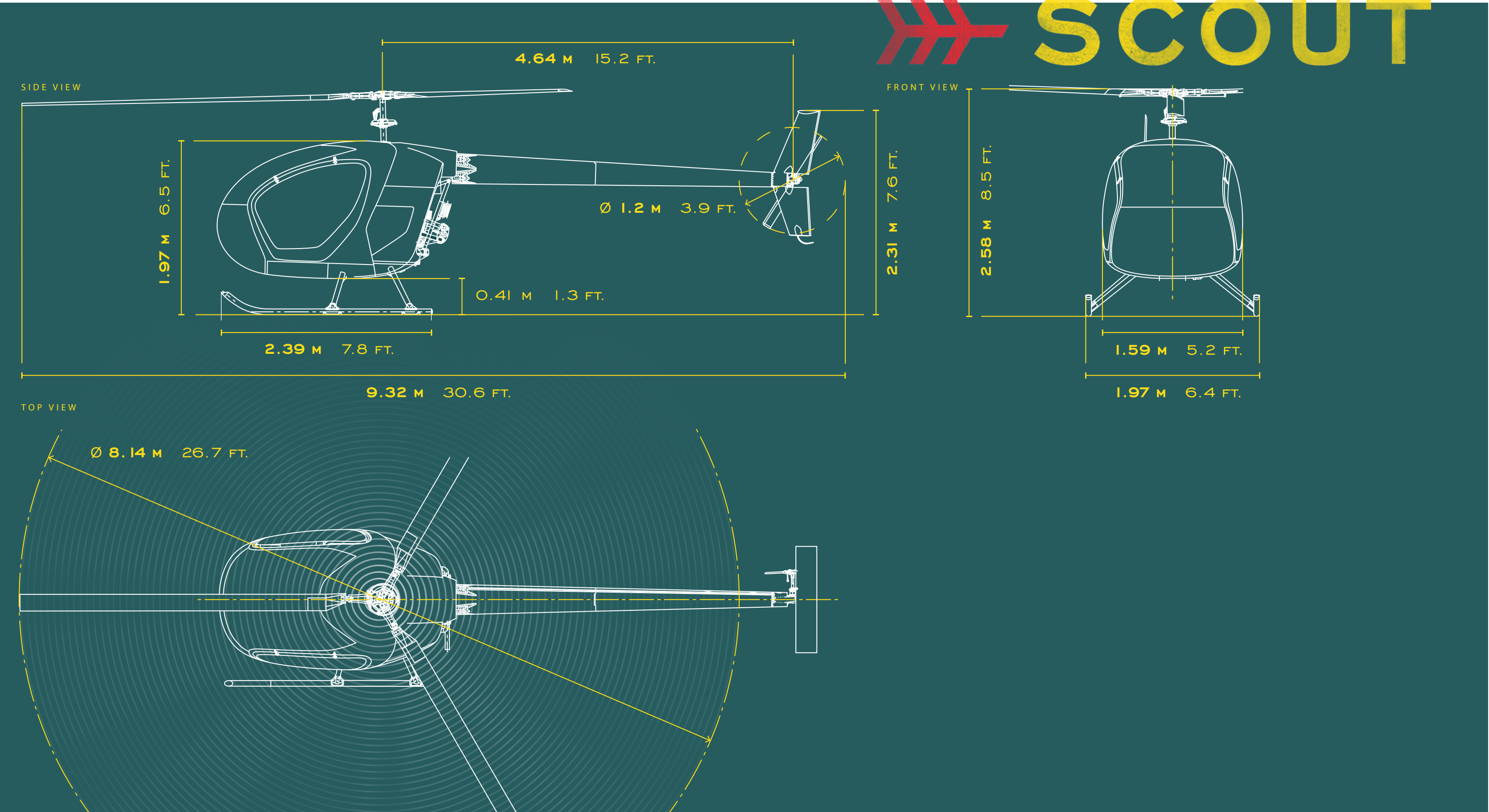
2000 hours before TBO

SCOUT



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SCOUT

Video of flights:

<https://youtu.be/-R7wlozl18k>



SCOUT



Video of flights:

<https://youtu.be/-R7wlozl18k>



FEATURES

SAFETY & RELIABILITY

- Autorotation speed **1476,38 fpm (7,5 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

- 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

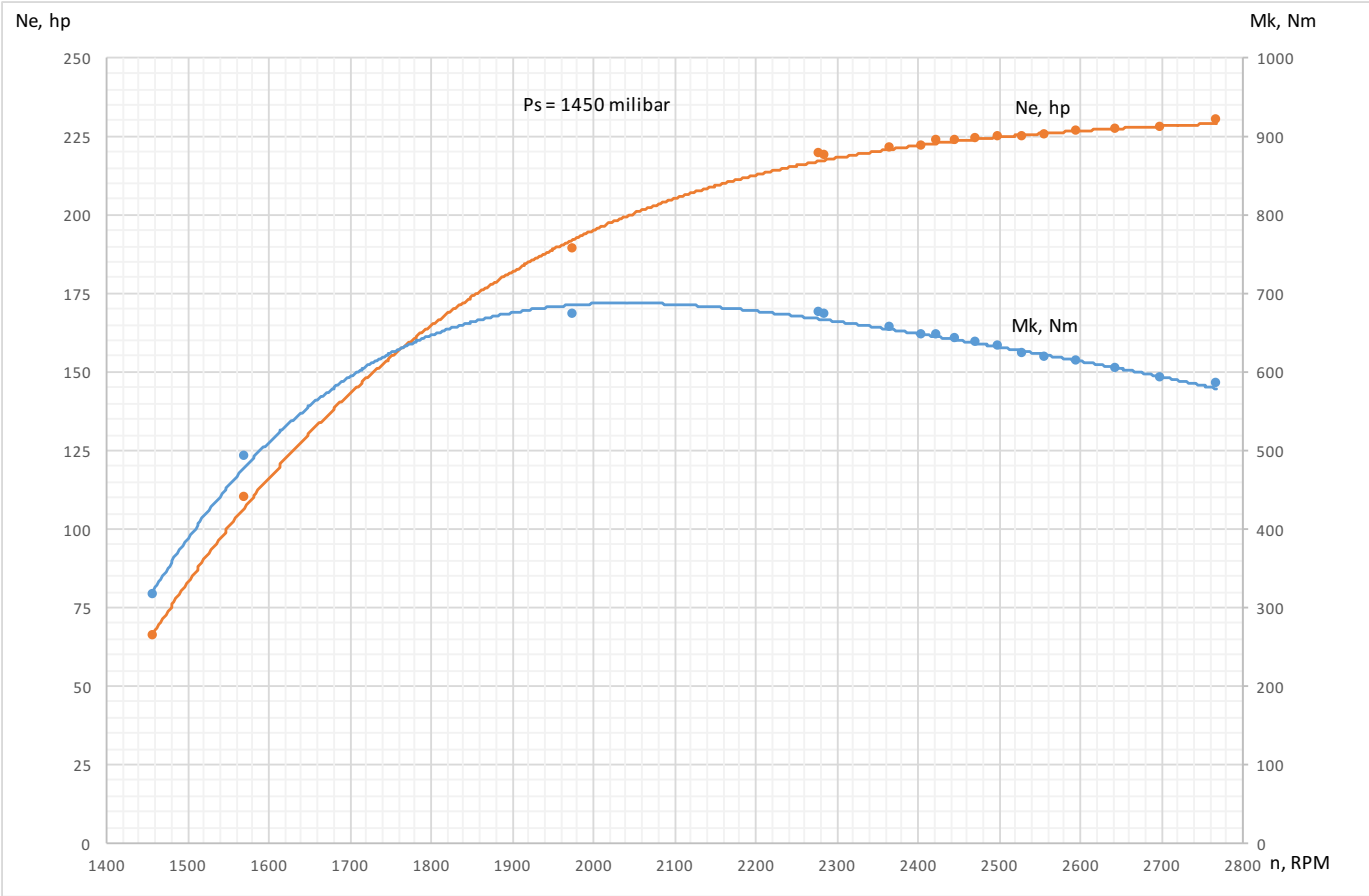
- Stylish modern design
- Real big and very comfortable cabin
- Ergonomic design of cabin



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

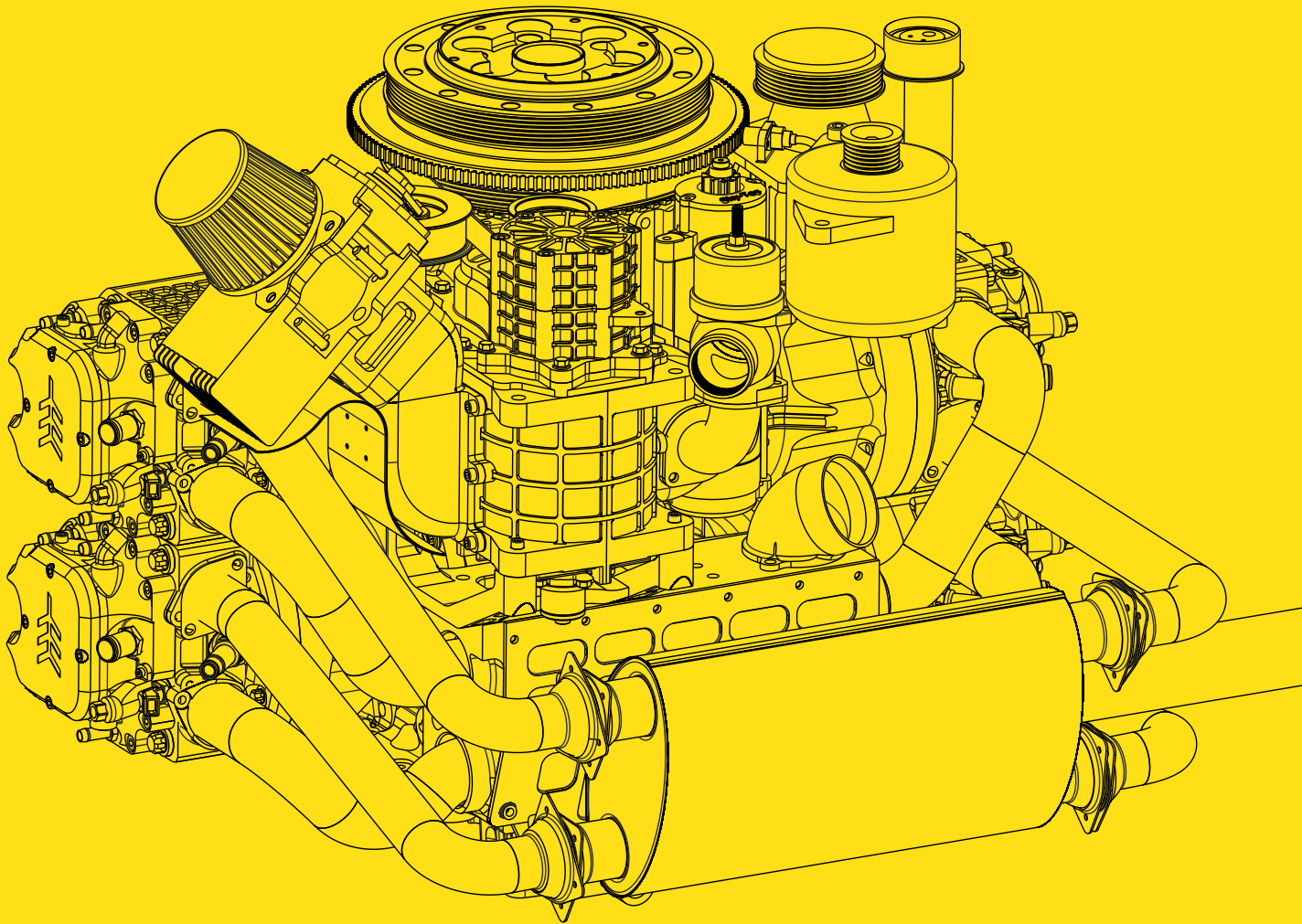


Power/RPM
for IOX-390LS with supercharger option

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



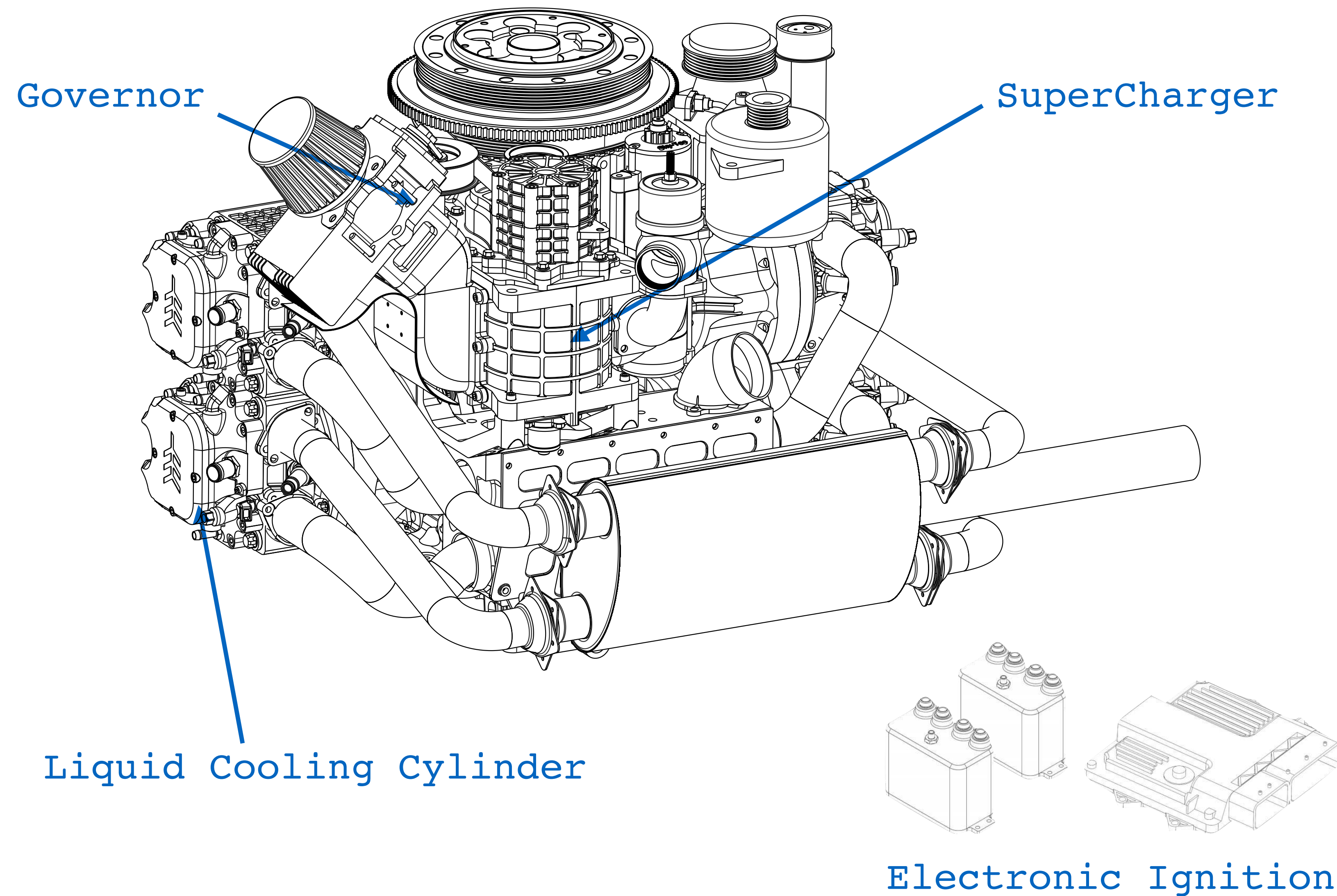
TECHNICAL INFORMATION



IOX-390LS



TECHNICAL INFORMATION



MODEL

IOX-390-LS

POWER

220hp@2700rpm

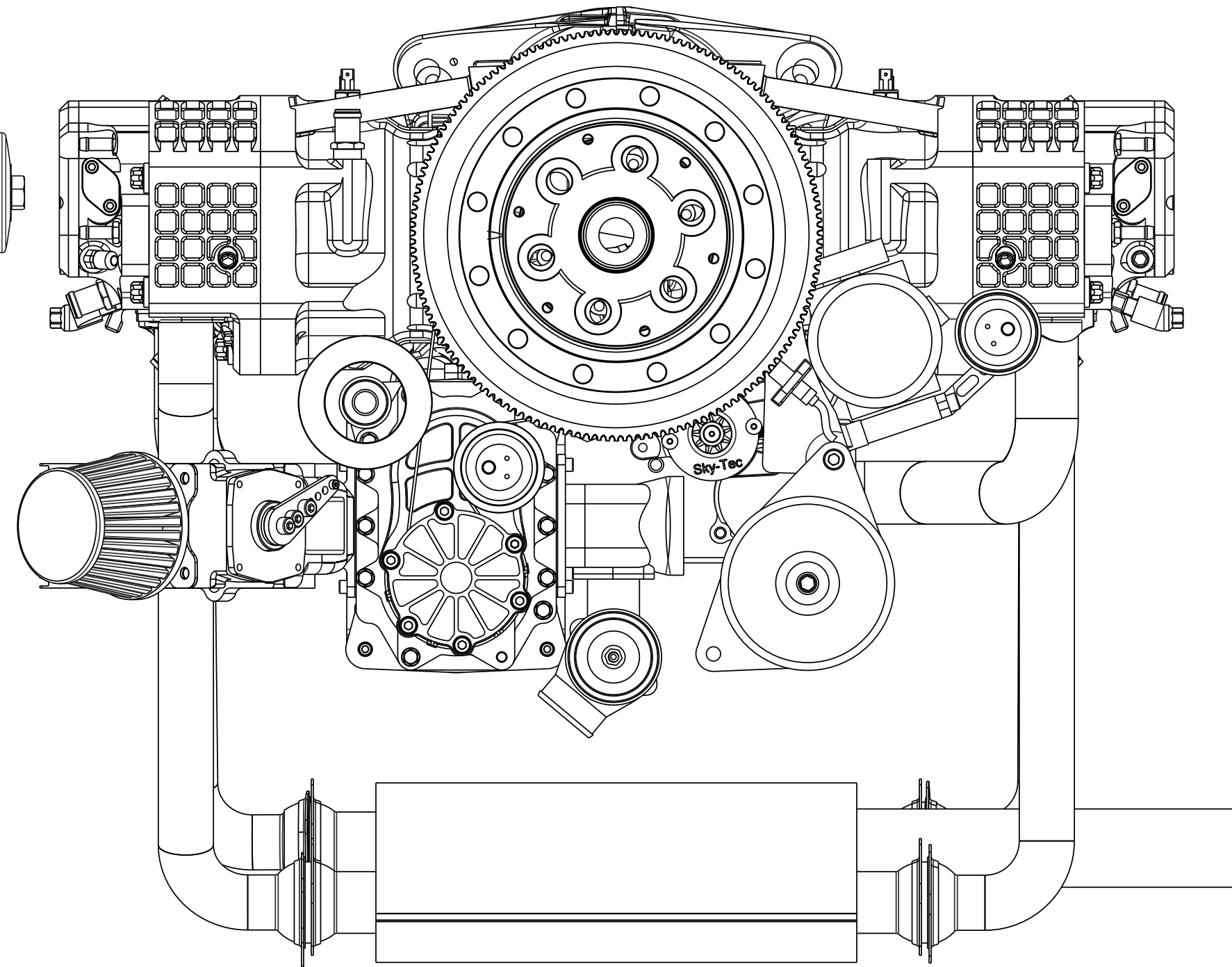
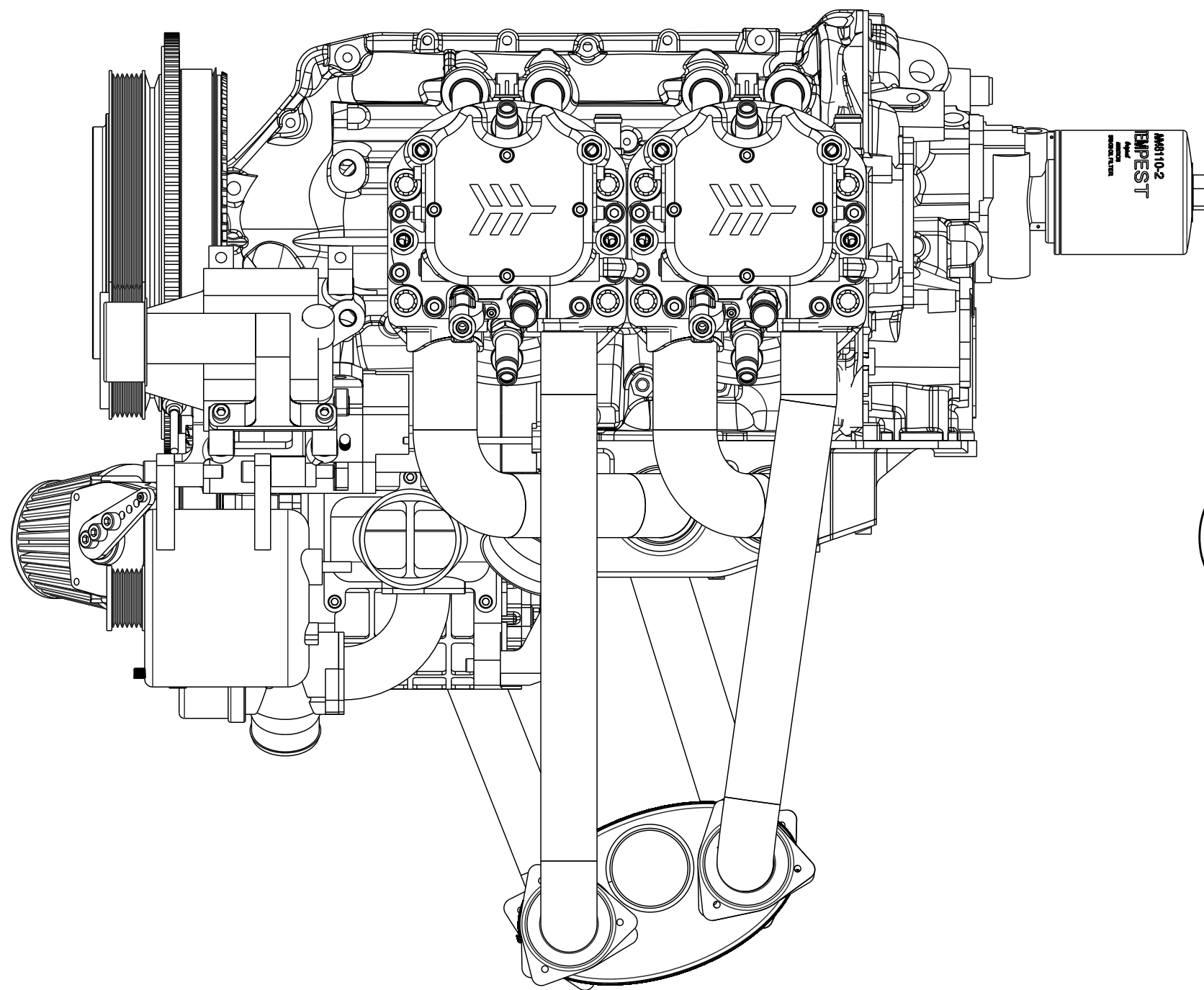
FUEL

AVGAS , MOGAS

IOX-390LS



TECHNICAL INFORMATION



MODEL
IOX-390-LS

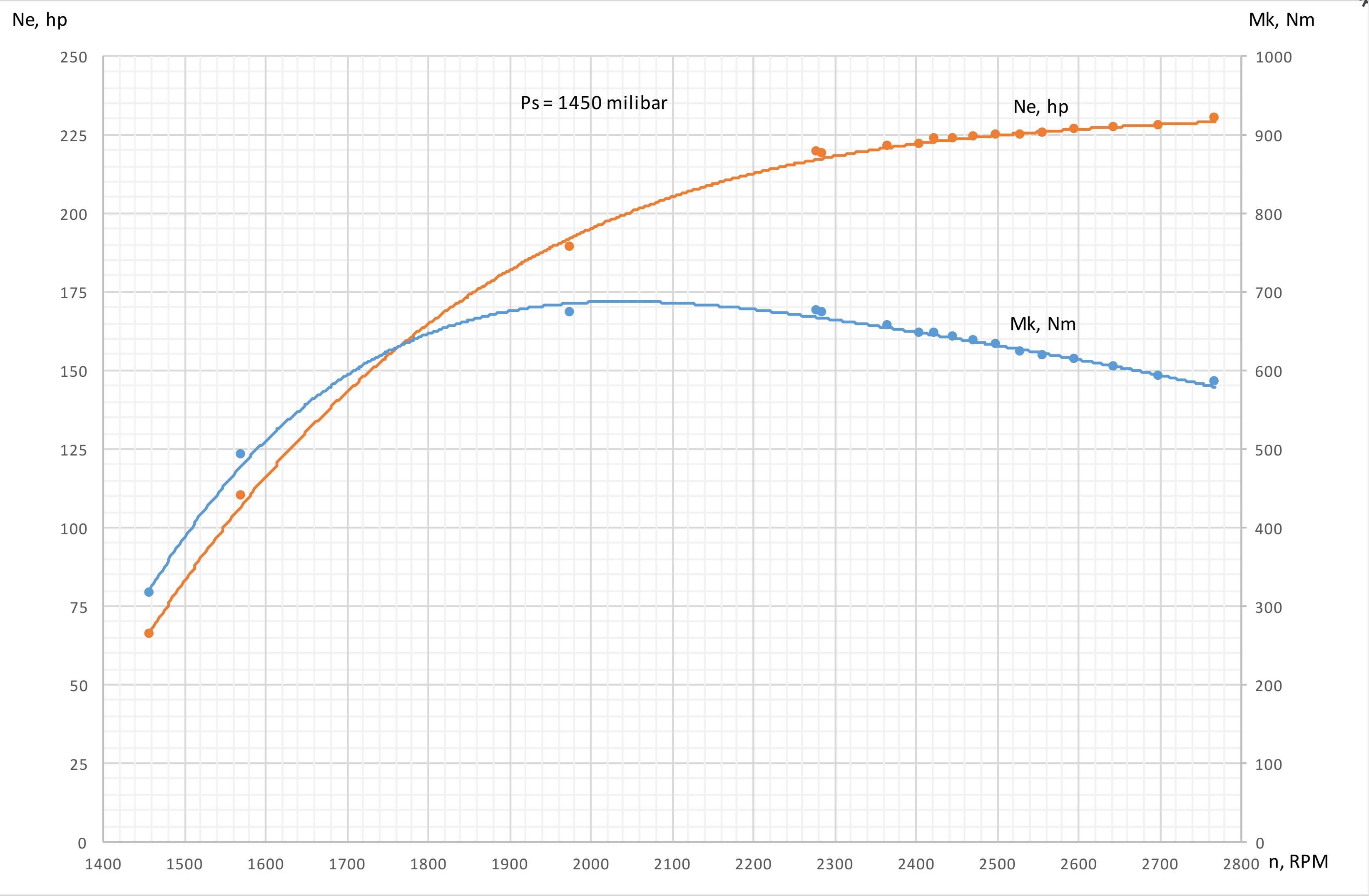
POWER
220hp@2700rpm

FUEL
AVGAS , MOGAS

IOX-390LS



TECHNICAL INFORMATION



MODEL
IOX-390-LS

POWER
220hp

FUEL
AVGAS, MOGAS

IOX-390LS



TECHNICAL INFORMATION

MODEL
IOX-390-LS

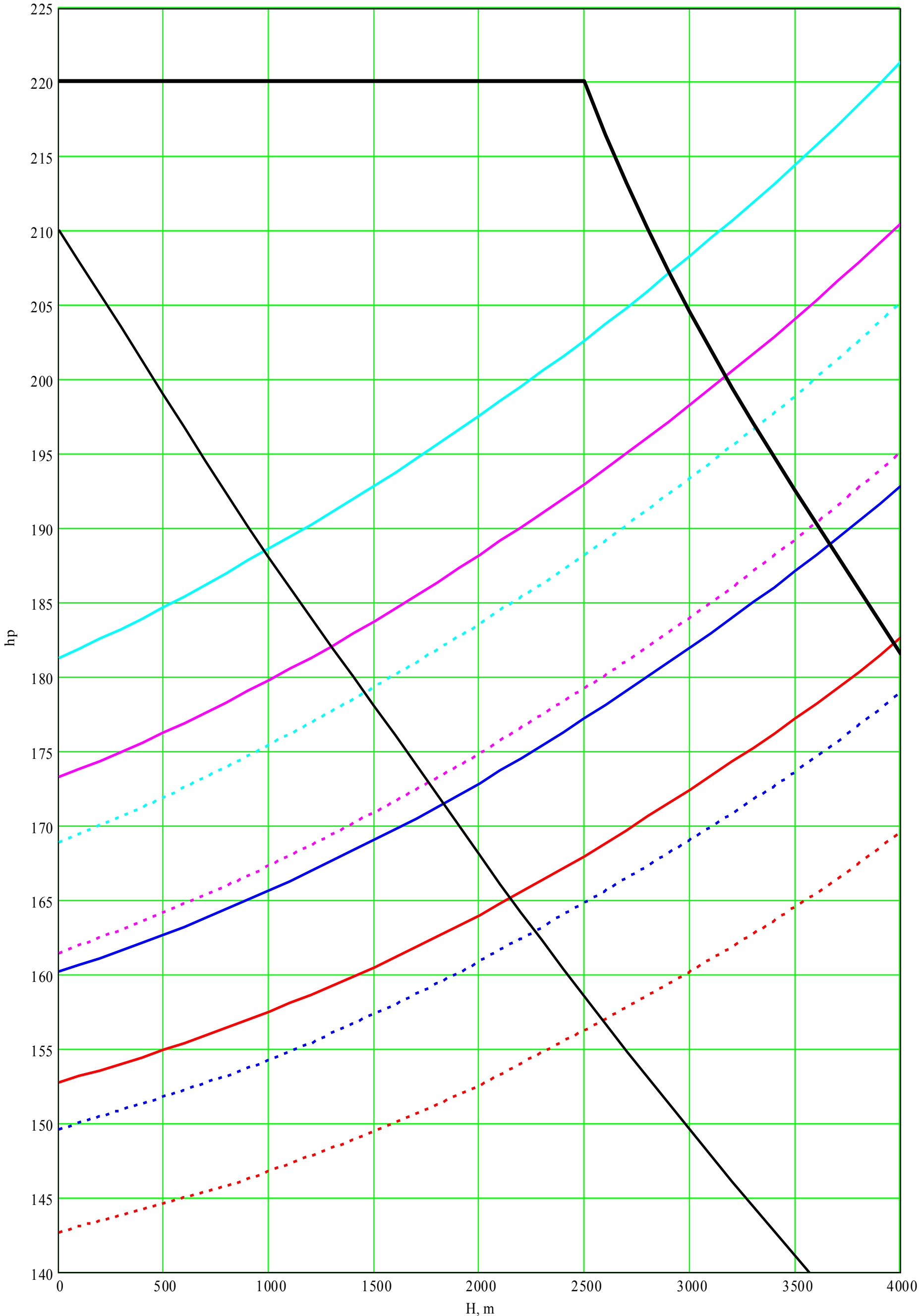
POWER
220hp

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

	ISA	HOT&HIGH
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	+	+
PRICE (EXW Kiev, Ukraine)	\$195 000	\$215 000

OPERATING COST



TECHNICAL INFORMATION

ISA CONFIGURATION (AIR COOLING LYCOMING IO-390)	Hours	Unit Cost	Cost per Hour
RESERVE FOR OVERHAUL			\$34,50
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
DIRECT OPERATING COST			\$55,78
Fuel @ \$5.76 per gallon and 9,24 gph for average use (ISA)			\$53,22
Oil			\$0,63
Unscheduled Maintenance, Parts and Labor @ \$35 per hour			\$1,93
TOTAL			\$90,28
OPERATING COST-PER-ROAD MILE			\$0,90

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
RESERVE FOR OVERHAUL			\$34,50
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
DIRECT OPERATING COST			\$61,10
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
TOTAL			\$95,60
OPERATING COST-PER-ROAD MILE			\$0,96

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
RESERVE FOR OVERHAUL			\$34,50
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
DIRECT OPERATING COST			\$40,66
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
TOTAL			\$75,16
OPERATING COST-PER-ROAD MILE			\$0,75

CONFIGURATION
HOT&HIGH

POWER
IOX-390LS

FUEL
MOGAS@\$3,75 PG

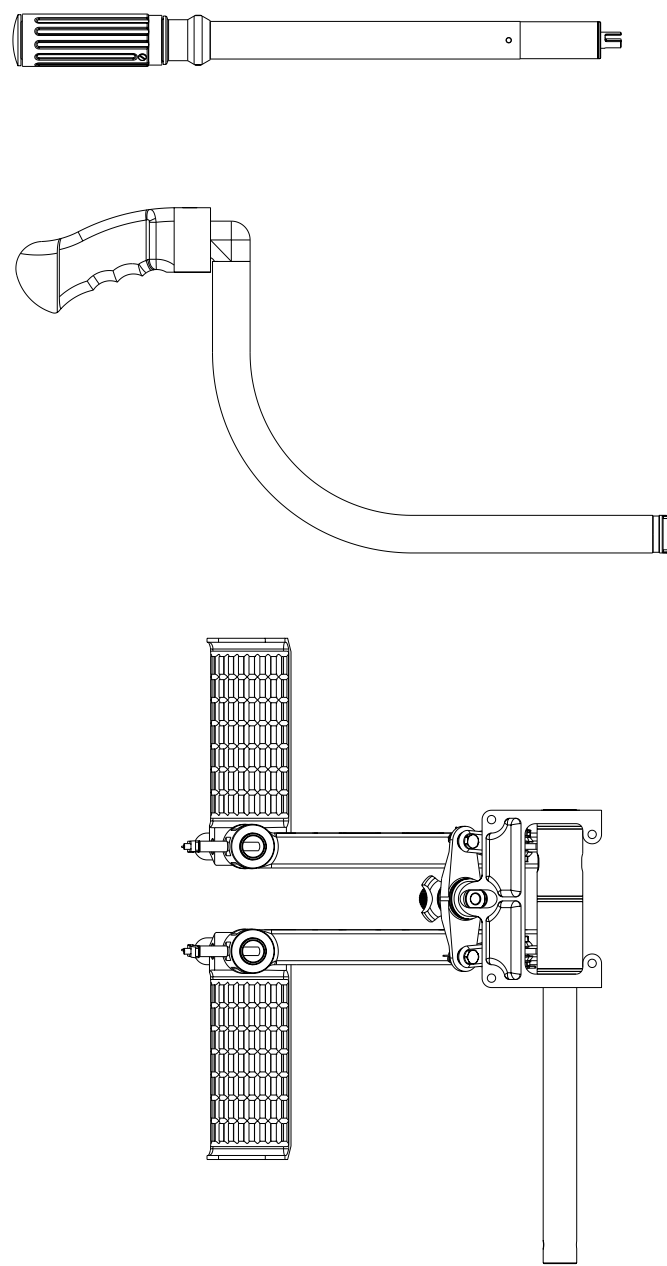
TOTAL
\$75,16 per hour

OPTIONS



TECHNICAL INFORMATION

SECOND CONTROL SET



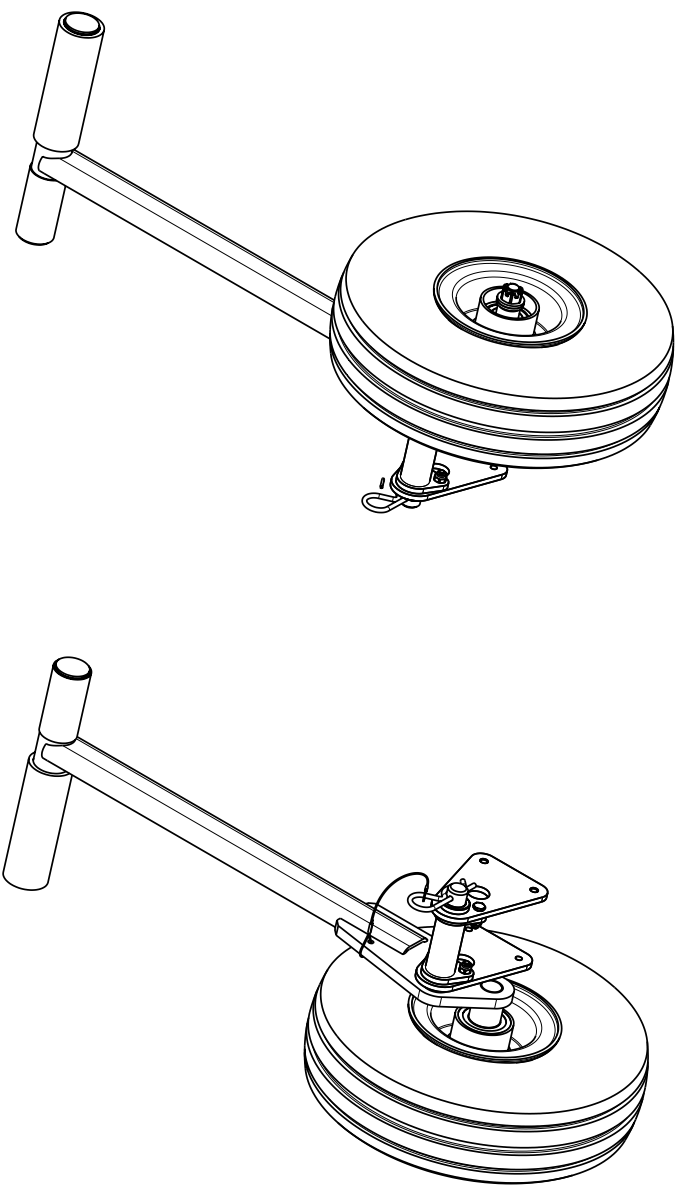
\$2900

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 \$1500

CLIMATE CONTROL SYSTEM \$4500



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

