

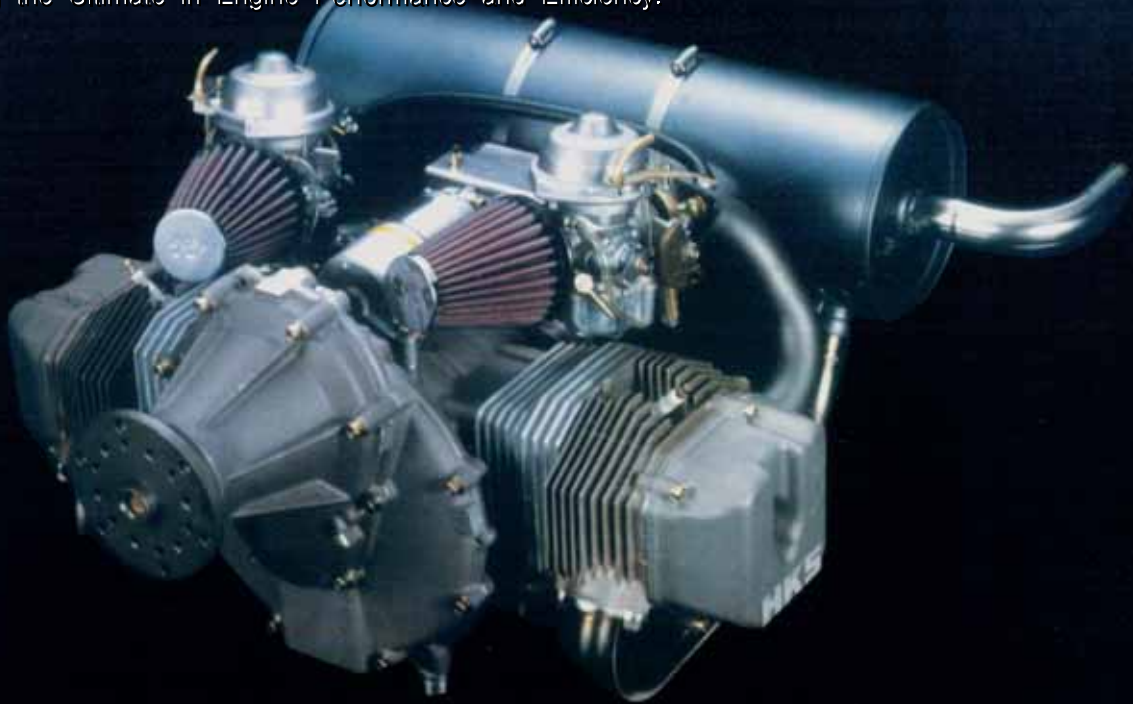
HKS

**800HR
TBO!**

4-stroke power

700E

Pursuing the Ultimate in Engine Performance and Efficiency.



HKS 700E WITH OPTION PARTS

Description

Air-cooled, four-stroke. 2 cylinders, horizontally opposed.

Dry sump forced lubrication.

Oil cooled cylinder heads.

Nickel ceramic composite coated cylinders.

One central camshaft-pushrods-OHV, hydraulic lifters.

Dual CDI, Electric starter, Generator

**800HR
TBO!**

HKS AVIATION
HKS AVIATION CO.,LTD.

MADE IN JAPAN

HKS 700E 4-stroke power

Specifications :

Configuration : 2 Cylinders 4-Stroke Engine
with Horizontally Opposed Cylinders
4 Valves per Cylinder

Bore × Stroke : 85 mm × 60 mm

Displacement : 680 c.c.

Compression Ratio : 11.3:1

Power Output : 56hp(41kw) at 5800rpm (continuous)
60hp(44kw) at 6200rpm (3min./Take off)

Torque Max. : 7 kgm at 5000rpm

Max RPM : 6200 RPM

Cylinders : Nickel Ceramic Composite Coated
Cylinders

Pistons : PVD Coated Piston Rings

Valve Gap : Automatic Adjustment by Hydraulic
Lifters

Camshaft : One Central Camshaft-Pushrods-OHV

Direction Of Rotation : Counter Clockwise

(Looking from pilot seat, tractor configuration)

Cooling : Air-Cooled Cylinders
Oil-Cooled Cylinder Heads

Lubrication : Dry Sump Forced Lubrication by Trochoid Pump,
Camshaft Driven (Pressure pump & scavenge pumps equipped)

Ignition System : Dual CDI (Capacitive Discharge Ignition)

Generator Output : AC-12Volts 210Watts

Regulator/Rectifier : Three Phase Regulator

Starter : Electric Only

Spark plugs : DENSO IK24C11

Electrode spacing : 1.1 mm

Fuel Consumption : Approx. 9 Liters/hour at 4750rpm

Reduction Gear : Integrated With Torsional Shock Absorption

TBO : 800 hours (Expect higher TBO with fleet experience)

Standard Version includes : Carburetors with clamps, Fuel Pump
Air Filter, Gear Box, Electrical Equipment

Weights : Engine: 49.1 kg 108 lbs.

(Dry, With all Electrical Equipment,
Electric Starter, Carburetors and Gearbox)

Exhaust System: 3.2 kg 7 lbs.

Oil Tank & Cooler: 2.7 kg 6 lbs.

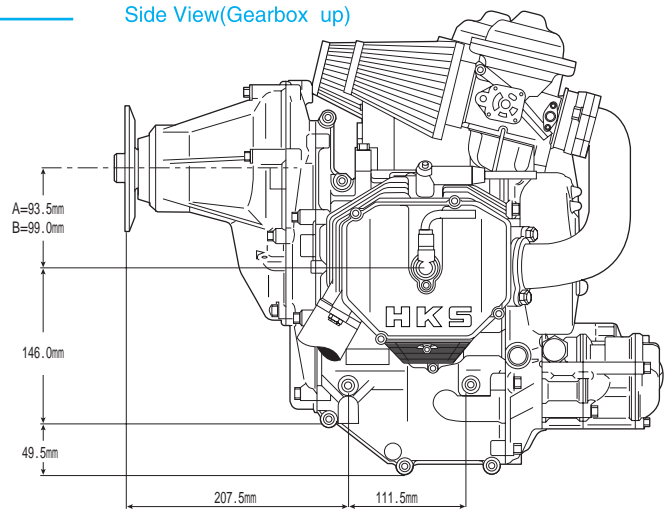
Totals: 55.0 kg 121 lbs.

Optional features :

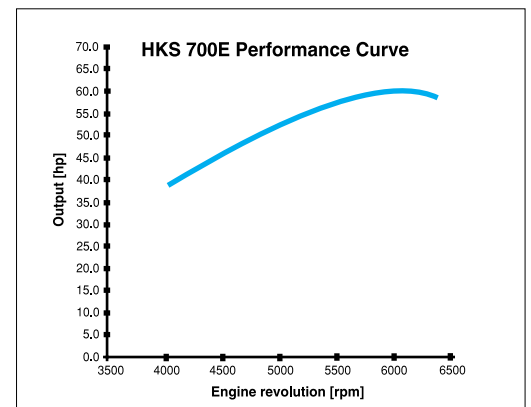
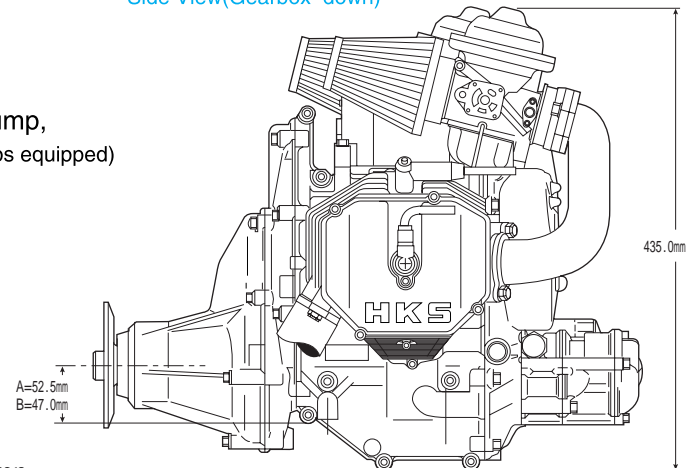
Reduction Box : "A" box with ratio: 2.58

"B" box with ratio: 3.47

Side View(Gearbox up)



Side View(Gearbox down)



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MADE IN JAPAN

HKS AVIATION AUTHORISED DISTRIBUTOR

WARNING! This is a non-certified aircraft engine, the possibility of engine failure exists at all times. Do not operate this engine over densely populated areas. Do not operate this engine over terrain where a safe, power off landing cannot be performed. The operating and maintenance instructions supplied with this engine must be followed at all times. Flying any aircraft involves the risk of injury or death, building and maintaining your own aircraft requires great personal responsibility.