Hansa-NG

Comfort, Performance & Economy

India's First All Composite Ab-initio Trainer

CSIR-NAL

Coming Soon

Hansa - Next Generation : The Next Level of Performance

Just in time Prepeg
light weight & higher production rate

Provision for Baggage

Bubble Canopy
opening towards front

Glass Cockpit
IFR Compliant

MTV-21-A / 175-05 Propeller

Rotax 912 iSc 3 sport engine
option to use both MOGAS and AVGAS

Increased Range & Endurance
500 nm, 6 hrs

Steerable Nose Landing Gear
for better controllability

More Range : 500 nm (926 km)

Longer Endurance : 6 hrs

Advanced : Rotax 912 iSc 3 sport **Engine**

Lower Acquisition & Operating cost

JAR - VLA / CS -VLA Certification

Collaboration with Mesco Aerospace

Hansa-NG : *Better choice for flying clubs*

Hansa - is India's first all-composite light aircraft designed & developed by CSIR-NAL in the CS-VLA category, ideally suited for ab-initio flying training, sport and hobby flying.

Hansa - NG is a two seater, low wing aircraft, low noise emission and option to use both MOGAS and AVGAS allows for more flexible and economical operations meeting IFR certification.

All glass cockpit with cabin comfort and good ergonomics Easy to fly with good handling qualities & low operation and maintenance cost.

Hansa-NG would be affordable and appreciable single engine aircraft.

Hansa - NG Key Data

Geometry		
Overall length	:	7.658 m (25.12 ft)
Overall height	:	2.614 m (8.576 ft)
Wing span	:	10.47 m (34.35 ft)
Wing area	:	12.47 sq m (134.22 sq ft)
Cabin width	:	1.07 m (3.5 ft)

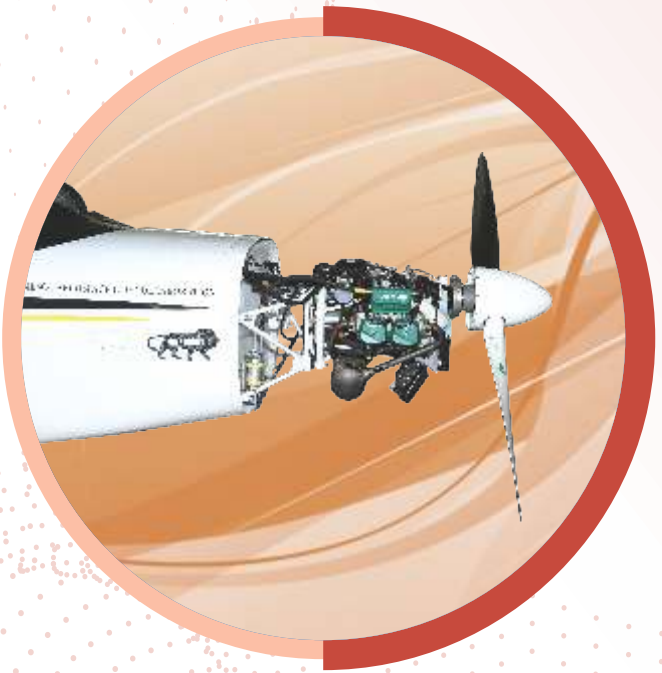
Weight		
Empty weight	:	540 kg (1190.50 lb)
All-up-weight	:	750 kg (1653.46 lb)
Useful load	:	210 kg (463 lb)
Usable fuel	:	95 ltr capacity

Aircraft Data (Performance)		
Take-off distance	:	450 m (1476 ft)
Landing distance	:	600 m (1968 ft)
Max rate of climb	:	198 m/min (650 ft/min)
Max cruise speed	:	200 km/hr (108 KTAS)
Stall speed (flaps 20°)	:	80 km/hr (43 KCAS)
Range (with 45 min reserves)	:	500 nm (926 km)
Endurance	:	6 hrs

Thrust U Can Trust

Hansa-NG is powered with 4-cylinder, 4-stroke liquid/air cooled engine runs on AVGAS 100 LL (ASTM D910) / MOGAS EN 228 Super/ Super Plus or equivalent fuel (INDIAN standard IS 2796:2008).

Advanced Rotax Engine



Advance Features

It has got advanced electronic fuel injection system, which controls the fuel and air mixtures electronically and provides optimum fuel air mixture at every altitude. The engine management system transfers the engine information electronically to the digital display unit "Engine Management Unit (EMU)" in the cockpit.

Why Hansa - NG

Improved Airframe

Better alternate composite materials with cost effective just in-time prepreg manufacturing process

Improved Ingress / Egress

Bubble canopy opening towards front to improve the ingress / egress

Crew Baggage

A separate baggage compartments behind the seats for long range operations

Modern Avionics

Full glass cockpit, Digital Engine monitoring, PFD, NAVCOM / GPS

Improvements in Configuration

Redesigned engine cowl for minimum drag, landing gear wheel fairing and optimized MLG-fuselage interface fairing

Advanced Propulsion

Advanced 100 hp Rotax 912 iSc sport engine with better SFC and runs on both MOGAS / AVGAS

Steerable Nose Wheel (Optional)

Oleo-pneumatic type steerable nose landing gear for better control

Low aquisition & operating cost

Low acquisition & operating cost is the moto of Hansa -NG. It is one of the best in class in terms of acquisition cost , operating cost, fuel efficiency.

All up weight : 750 kg

Max. Speed : 200 km/hr

Endurance : 6 hrs

Take off distance : 450 m

Max. Altitude : 10000 ft

Hansa-NG : Performance with Economy

For More Information Contact

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