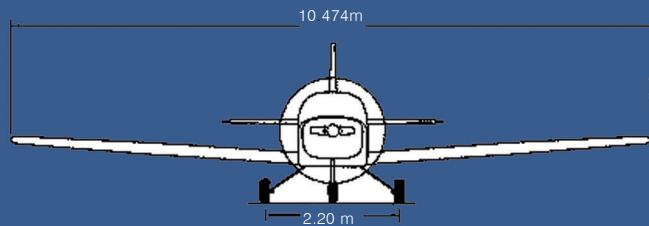
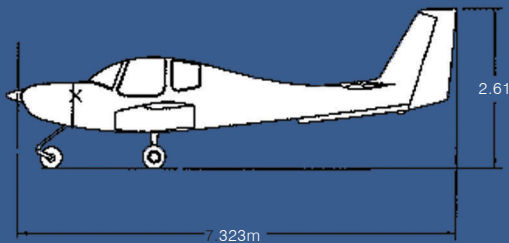
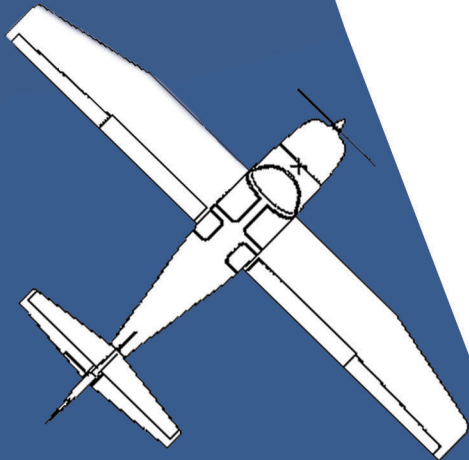




HANSA

NAL, Bangalore

HANSA-3



Features

- All composite aircraft Certified by DGCA under FAR 23 via JAR-VLA
- Suitable for ab-initio flying training, sport and hobby flying
- Provided with a lightning protection scheme
- Suitable for VFR and night flight operations

Status

- Total number of hours logged by HANSA – 3500 hours
- One prototype and fourteen production standard aircraft have been built
- Presently flying in 6 flying clubs across India

Geometry

| | |
|----------------|--|
| Overall length | : 7.6 m (25 ft) |
| Overall height | : 2.61 m (8.5 ft) |
| Wing span | : 10.47 m (34.35 ft) |
| Wing area | : 12.47 m ² (41 ft ²) |
| Cabin width | : 1.07 m (3.5 ft) |

Weight

| | |
|---|------------------|
| Empty weight (night operations with lightning protection) | 550 kg (1212 lb) |
| All-up-weight | 750 kg (1653 lb) |
| Useful load (including fuel) | 200 kg (441 lb) |
| Usable fuel capacity | 85 ltr |

Electrical system

12 V, 18 Ah maintenance free battery
14 V, 40 A external generator

Power plant

Rotax 914F3 (Turbocharged engine with a 100 bhp max. continuous @ 5500 rpm and 115 bhp @ 5800 rpm)

Propeller

Two blade constant speed Hoffmann propeller of 173 cm (68 inch)

Performance

| | |
|------------------------------|--------------------------|
| Take-off distance | : 413 m (1355 ft) |
| Landing distance | : 540 m (1770 ft) |
| Max. rate of climb | : 198 m/min (650 ft/min) |
| Max. cruise speed | : 178 km/hr (96 KIAS) |
| Stall speed (with flaps 20°) | : 87 km/hr (47 KIAS) |
| Endurance | : 4 hr |

Instruments / Avionics

Airspeed indicator, altimeter, vertical speed indicator, artificial horizon, directional gyro, turn coordinator, outside air temperature, magnetic compass, volt/ammeter and indicators for RPM, manifold pressure, oil pressure, oil temperature and cylinder head temperature, Bendix king KX-125 NAV/COM, intercom, emergency locator transmitter (ELT) (GPS Optional for VFR and night flight operations).



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