HANSA-3

Features
- All composite aircraft Certified by DGCA under FAR 23 via JAR-VIA
- 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 – 3800 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 m² (41 ft²)
- 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 power @ 5500 rpm and 115 bhp @ 5800 rpm)

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

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: 87 km/hr (47 KIAS) (with flaps 20°)
- Endurance: 4 hr

Instruments I 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)