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 - 3800 hours
- One prototype and fourteen production standard aircraft have been built
- Presently flying in 6 flying clubs across India

Geometry
- Overall length 7.60 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/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)