FEATURES AND SPECIFICATIONS

AIRVAN 10

Mahindra
Rise.

LARGE PAYLOAD

1,400 lb

FULL-FUEL PAYLOAD

ROLLS-ROYCE POWER

450hp

250 B-17 ENGINE

Airvan 10

The Airvan 10 by Mahindra is an innovative blend of proven legacy and new technology.

Developed to be an entirely new FAR 23-certified aircraft, the Airvan 10 retains the Airvan 8's aerodynamic design and shares many of its production parts, minimizing developmental and production costs.

Upon certification, the Airvan 10 will have the lowest acquisition and operating costs in its class. Combine that with a full-fuel payload of nearly 1,400 pounds (635 kg), capacity for ten and a certification to the latest safety standards, and you have a perfect ten.

Economical, reliable, rugged and safe, the Airvan 10 is a compelling workhorse for any business' bottom line.

Rugged Build

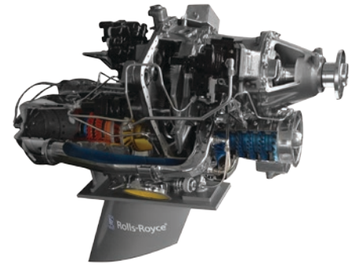
The Airvan 10, much like its piston-powered predecessor the Airvan 8, has been built to handle rugged terrains and short, semi-prepared airstrips. The Airvan 10 is ideal for operators in remote areas. From transporting cargo to isolated communities to making short passenger hauls to island resorts, the Airvan 10 delivers.

50" Sliding Door

The Airvan 10's easy-to-operate sliding door allows clear access to the cabin, and at 50" (1.27 m) wide, entire pallets can be loaded into the aircraft. The door will be designed for in-flight operation, making the Airvan 10 ideal for missions such as skydiving, aerial photography, supply dropping, and many military and law enforcement tasks.

Safety Standards

The Airvan 10 is designed to meet Amendment 62 of the FAR 23 regulations. No other aircraft in its class measures up to the stringent safety, design and airworthiness requirements to which the Airvan 10 will be certified. The crash-worthiness ratings on the airframe, seats, fuel systems and firewall are superior to its competition.



Rolls-Royce Power

The Airvan 10 is powered by the Rolls-Royce 250 B-17 engine, producing 450 shaft horsepower. With an estimated 24 gph (92 ltr/hr) fuel burn, the cost-per-seat mile is unparalleled, making the Airvan 10 the most economical 10-seat turboprop in its class.

The definition of versatility.

The Airvan 10 is a highly versatile platform for countless operations. Given its low fuel burn, impressive payload capacity, large cabin volume and quick-change configuration capabilities, it's easy to see why the Airvan 10 appeals to so many.

Skydiving: A quick climb rate leads to fast rotation times. Comfortably fits large groups. In-flight sliding door operation approved.

Passenger Transport: Nine forward-facing passenger seats, divided by a center aisle. Each seat has a panoramic window.

Freight: Fit an entire pallet through the 50" door. The floor height is ideal for loading cargo. Optional cargo pod available.

Special Missions: Economical, long-loiter special missions platform with easy handling at low airspeeds.

Recreational: Fit the whole family and all of your adventure gear. Carry it all for less than any competitive product.

Mahindra
Rise.

AIRVAN 10

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Specifications

DIMENSIONS

Length	33 ft 6 in (10.3 m)
Wingspan	40 ft 7 in (12.4 m)
Height	12 ft 9 in (3.8 m)
Cabin Height	45 in (1.1 m)
Cabin Width	50 in (1.3 m)
Cabin Length (no cargo bin)	16 ft 1 in (4.9 m)
Cabin Door	50 in (1.3 m)

BAGGAGE CAPACITY

Main Cargo Area Internal Volume	164 ft^3 (4.43 m^3)
Cabin Shelf	18 ft^3 (0.5 m^3)
Aft Locker	13 ft^3 (0.4 m^3)
Cargo Pod	25 ft^3 (0.7 m^3)
Seats	10 (Pilot + 9)

ENGINE

Turbine Engine	Rolls-Royce Model 250-B17/F2
Horsepower	450 shp
Rated Speed	2,030 rpm
Propeller	Hartzell HC-D3F-7H 3-Blade

DESIGN WEIGHTS AND CAPACITIES

Maximum Takeoff Weight	4,750 lb (2,155 kg)
Maximum Useful Load	2,300 lb (1,043 kg)
Optional Cargo Pod Capacity	600 lb (272 kg)
Fuel Capacity	153 U.S. gal (580 ltr) Jeta-1

Performance

TAKEOFF

Maximum Climb Rate	1,000 fpm (5.8 m/s)
Takeoff distance (to 50 ft)	1,600 ft (488 m)
Ground Roll	1,100 ft (335 m)

CRUISING

Typical Cruise Speed	145 ktas (240 kph)
Range at Typical Cruise	550 nm (w/1hr 1FR reserve) 700 nm (no reserve)
Certified Ceiling	20,000 ft (6,096 m)

V-SPEEDS

Vmo (Max Operating Speed)	157 KIAS
Va (Maneuvering)	130 KIAS

LIMITS

Maneuvering	1.5 to 3.8 g
Max Demonstrated Crosswind	15 kts