

FEATURES AND SPECIFICATIONS

# AIRVAN<sup>8</sup>



**Mahindra**  
Rise.



LARGE PAYLOAD

1,300 lb  
FULL-FUEL PAYLOAD

LOW OPERATING COST

\$0.15  
COST-PER-SEAT MILE  
(\$0.17 TURBOCHARGED)

# The definition of versatility.

With an option list of more than 60 customizable items, including quick-release seat, cargo net and workstation mounting points, you can rapidly change cabin configuration to meet the requirements of any mission.

**Skydiving:** Comfortably fit up to eight parachutists. In-flight door operation.

**Passenger Transport:** Seven forward-facing passenger seats.

**Freight:** Floor height ideal for loading cargo. Optional cargo pod available.

**Special Missions:** Economical, long-loiter special missions platform.

**Recreational:** Fit the whole family and all of your adventure gear.

**Humanitarian Aid:** STOL capabilities for rugged, short bush strips.



## Airvan 8

Designed and manufactured for rugged terrains and short, semi-prepared airstrips, the Airvan 8 was created with simplicity and economics in mind. It is easy to load, fly and maintain. Innovative design details set the Airvan 8 apart from its competitors, and make the operation of the aircraft safer and less complicated.

Available with either a normally aspirated or turbocharged Lycoming engine, the Airvan 8 has unbeatable economic performance. With a cost-per-seat mile of only \$0.15 (or \$0.17 with the turbocharged engine),\* the Airvan 8 leads the industry in value – beating the operating costs of comparable six-seaters. And with its full-fuel payload of more than 1,300 pounds (590 kg), the Airvan 8 blows the carrying capacity of competitors out of the water.

\*Calculated with a fuel price of \$5.75 USD per U.S. gallon.

### Rugged Build

Developed to handle rugged terrain, the Airvan 8 is ideal for operators in remote areas. The Airvan 8's high lift wing, rugged all spring-steel undercarriage, high flotation tires and excellent propeller ground clearance equip the Airvan 8 to operate from short, semi-prepared strips with ease.

### 41.5" Sliding Door

The Airvan 8's easy-to-operate sliding door allows clear access to the cabin with the flaps up or down. The floor height is perfect for hassle-free loading and unloading from a pickup truck or SUV. Certified for in-flight operation, the sliding door allows the Airvan 8 to be used in a number of operational roles, such as skydiving, aerial photography, supply dropping, and many military and law enforcement tasks.

### Panoramic Windows

The twelve windows in the Airvan 8 provide the pilot and passengers with outstanding visibility. Each passenger seat has an accompanying window. In the cockpit, panoramic large windows enhance the pilot's visibility.



### Low-Cost Maintenance

The Airvan 8 is manufactured to keep maintenance costs at a minimum. Traditional high-maintenance and high-wearing parts, such as oleo-struts and flap tracks, have been eliminated and replaced with simpler and smarter solutions. Avionics systems are built into modular installations with easy access, to make field service a simple affair. All sheet metal, both internal and external, is thoroughly primed and corrosion-proofed.



## Specifications

### DIMENSIONS

Length	29 ft 4.3 in (8,949 mm)
Wingspan	40 ft 8.6 in (12,412 mm)
Height	12 ft 9 in (3,885 mm)
Wing Area	208 ft <sup>2</sup> (18.75 m <sup>2</sup> )
Wing Loading	19.2 lb/ft <sup>2</sup> (96.75 kg/m <sup>2</sup> )
Cabin Height	44.9 in (1,140 mm)
Cabin Length (Firewall to Aft Cargo Bin)	182.6 in (4,640 mm)
Cabin Width	50 in (1,270 mm)
Main Cargo Area Floor Area	54 ft <sup>2</sup> (5 m <sup>2</sup> )
Main Cargo Area Internal Volume	164 ft <sup>3</sup> (4.43 m <sup>3</sup> )
Cabin Door	41.5 in (1,054 mm)

### BAGGAGE CAPACITY

Cabin Shelf	18 ft <sup>3</sup> (0.53 m <sup>3</sup> )
Aft Locker	13 ft <sup>3</sup> (0.35 m <sup>3</sup> )
Cargo Pod	18 ft <sup>3</sup> (0.53 m <sup>3</sup> )
Seats	8 (2 crew, 6 passenger)

### NORMALLY ASPIRATED

### TURBOCHARGED

ENGINE	Lycoming IO-540-K1A5, 300 hp	Lycoming TIO-540-AH1A, 320 hp
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PROPELLER	Hartzell 2-Blade*	Hartzell 3-Blade
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### DESIGN WEIGHTS AND CAPACITIES

Maximum Takeoff Weight	4,000 lb (1,905 kg)	4,200 lbs (1,905 kg)
Typical Empty Weight	2,275 lb (1,031 kg)	2,374 lbs (1,076 kg)
Maximum Useful Load	1,725 lb (783 kg)	1,826 lbs (828 kg)
Optional Cargo Pod Capacity	440 lb (200 kg)	
Fuel Capacity	87.7 US Gal (332 ltr) Usable	

## Performance

### TAKEOFF

### NORMALLY ASPIRATED

### TURBOCHARGED

Ground Roll (Sea Level, ISA, MTOW)	1,378 ft (420 m)	800 ft (244 m)
Over 50 ft Obstacle	2,066 ft (630 m)	1,600 ft (488 m)
Climb Rate	731 fpm (3.7 m/s)	904 fpm (4.6 m/s)

### CRUISING

Typical Cruise Speed	130 ktas (240 kph)	135 ktas (250 kph)
Fuel Burn at Typical Cruise	15 gph (57 litres/hr)	18 gph (68 litres/hr)
Range at Typical Cruise	546 nm (1,011 km)	567 nm (1,050 km)
Maximum Endurance	8.5 hrs @ 40% power	8.2 hrs @ 40% power
Certified Ceiling	14,500 ft (4,420 m)	20,000 ft (6,096 m)

### LANDING

Ground Roll	492 ft (150 m)	483 ft (147 m)
Over 50 ft Obstacle	1,213 ft (370 m)	1,621 ft (494 m)

### V-SPEEDS

Vr	61 kias	61 kias
Vx	69 kias	69 kias
Vy	81 kias	81 kias
Va	121 kias	121 kias
Vso	57 kias	57 kias
Vs1	64 kias	64 kias

\*Additional options available.

Mahindra reserves the right to make changes to specifications and pricing at any time, without prior notice.