



— A Maharatna CPSE —

हिन्दुस्तान एरोनॉटिक्स लिमिटेड
HINDUSTAN AERONAUTICS LIMITED



H-228

Multi-Role Utility Aircraft

DGCA Type
Certified

Short Take
off & Landing

High
Endurance

Quick
Convertibility

Economical

High Fuel
capacity

Low
Maintenance
Cost



Maximum cruise Speed
370 kmph



Passengers
Up to 19



MTOW
6200 kg



Cabin Length
7.08 m



Crew
2 Pilots



Take off distance
792 m



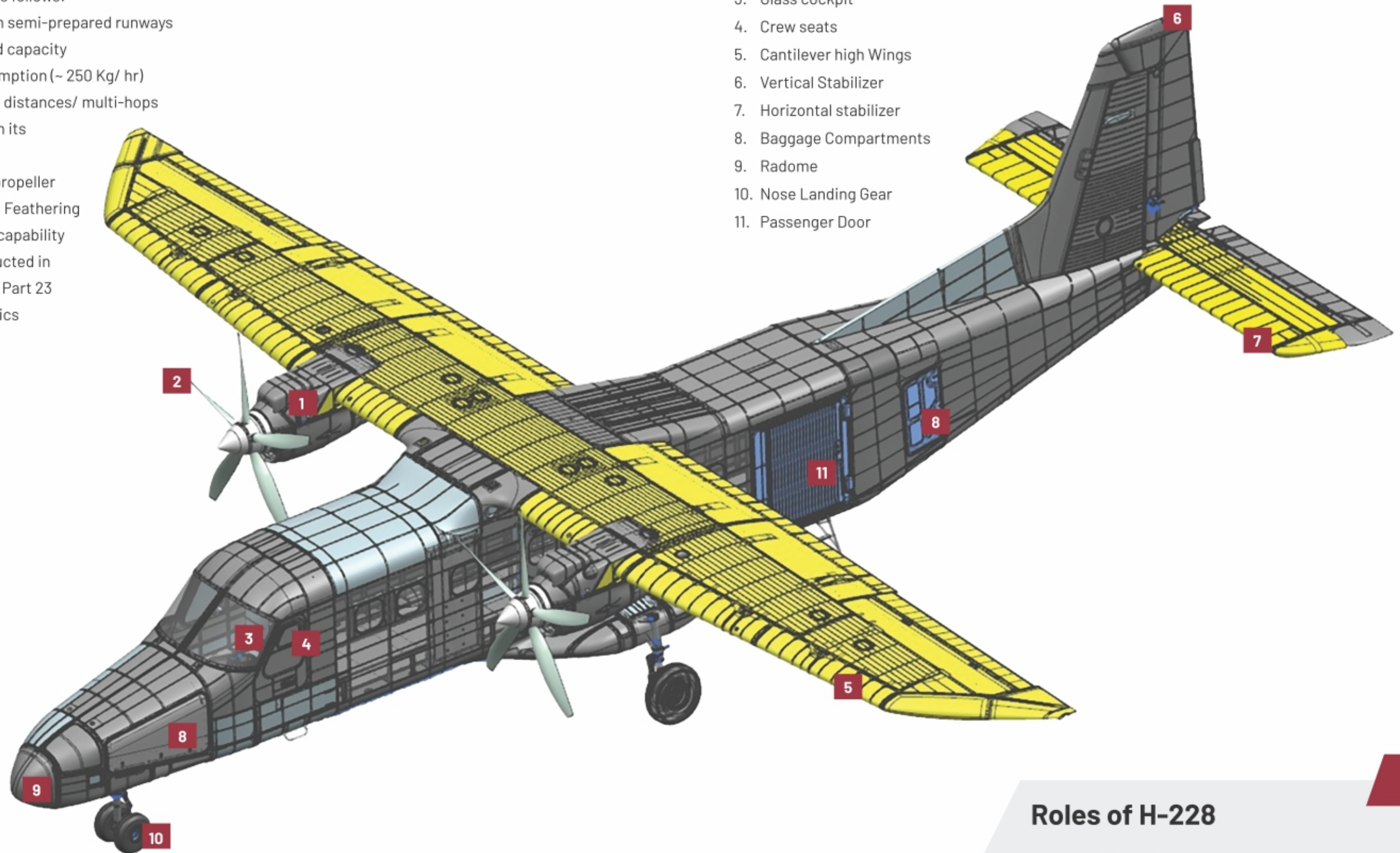
Landing distance
576 m

H-228

The H-228 is a versatile twin turboprop aircraft featuring high wing configuration, spacious cabin, wide side loading doors. Well suited for passenger, transport, cargo and air ambulance roles.

The salient features are as follows:

- ◆ Capable of flying from semi-prepared runways
- ◆ High Fuel and Payload capacity
- ◆ Economic fuel consumption (~ 250 Kg/ hr)
- ◆ Capable of flying long distances/ multi-hops
- ◆ High cruising speed in its class (370 Km/h)
- ◆ 5 Bladed composite propeller with Constant Speed, Feathering and Reversible Pitch capability
- ◆ Designed and constructed in accordance with FAR Part 23
- ◆ State of the art Avionics



1. Two TPE331-10GP engine
2. Two 5 bladed composite propeller
3. Glass cockpit
4. Crew seats
5. Cantilever high Wings
6. Vertical Stabilizer
7. Horizontal stabilizer
8. Baggage Compartments
9. Radome
10. Nose Landing Gear
11. Passenger Door

WIDE RANGE OF OPERATING CONDITIONS

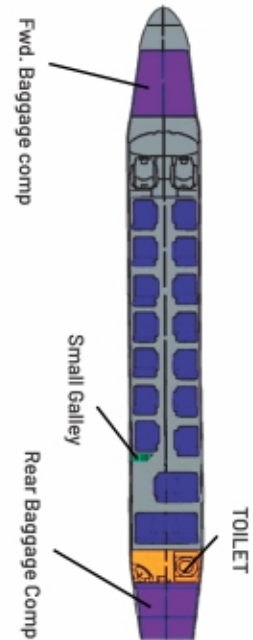
- ◆ Short take off (762 m) & landing (576 m) capability
- ◆ High wing design for good visibility & rough field operations
- ◆ Quick convertibility to other roles
- ◆ Operations from Semi-prepared Short Runways (LCN 9)

Roles of H-228

- ◆ Passenger
- ◆ Corporate (VIP)
- ◆ Air Ambulance
- ◆ Cargo Movement

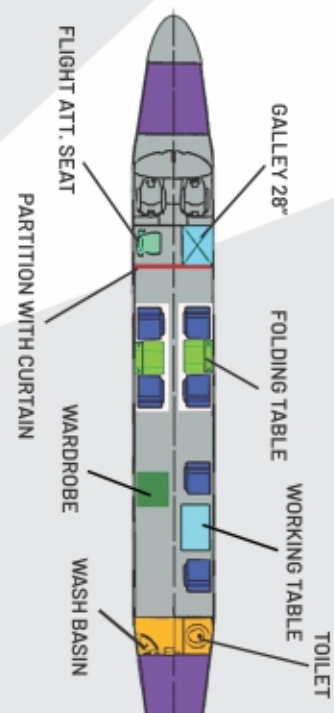
PASSENGER

The H-228 is configured for regional connectivity with seating capacity for up to 17/19 passengers, featuring a comfortable air-conditioned cabin with enhanced soundproofing, a galley with hot jug facilities, and a flushing toilet.



CORPORATE (VIP)

The H-228 VIP configuration offers best-in-class safety and reliability, complemented by deluxe seating, a working table, and galley with hot jug facilities for enhanced passenger comfort.



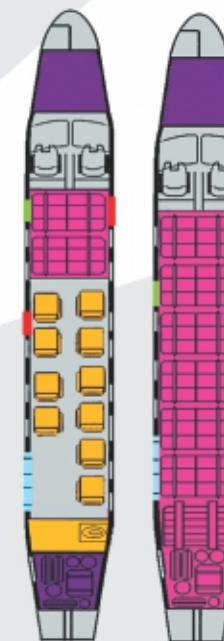
AIR AMBULANCE

The H-228 air ambulance configuration offers provision for stretchers with portable oxygen support, Mobile Intensive Care Unit, additional seating for paramedical staff. Additional facilities like ventilator, blood transfusion etc can be fitted.



CARGO MOVEMENT

The aircraft features a rectangular fuselage with wide roller doors, enabling efficient cargo handling and optimum space utilization, making it well suited for logistics and cargo operations.



GARRET TPE-331-10GP ENGINE

- ♦ Optimum hot & high performance
- ♦ Optimum hot section life & durability
- ♦ Reduction in corrosion
- ♦ Reduction in hourly operating cost



5 BLADE COMPOSITE PROPELLER

- ♦ Less Weight than metallic propeller
- ♦ Reduced external & internal noise level
- ♦ Faster engine Start
- ♦ Less lubrication requirement & faster Installation
- ♦ Better vibration dampening characteristics



CONTEMPORARY AVIONICS

- ♦ State of the art EFIS (Glass Cockpit)
- ♦ State of the art Digital Auto Pilot
- ♦ State of the art Avionics Systems
 - Dual VHF Combined NAV/COM
 - Dual ADAHRS (AHRS & ADC)
 - Digital Interphone
 - SELCAL
 - Two SSCVFDR, ELT
 - Dual SBAS GPS
 - HF COM System
 - ADF, DME
 - Radio Altimeter
 - 3-channel DME
 - Weather Radar RDR 2100
 - TCAS with dual Mode-S/ADS-B Out



TYPICAL PERFORMANCE

DISTANCE (NM/KM)	BLOCK FUEL (KG.)	BLOCK TIME (HRS:MIN)
150/280	255	0:50
250/465	375	1:30
350/650	460	2:00
450/835	580	2:40

ISA + 27° C, MTOW, Cruise at 10,000 ft Max. Range condition, Take-off and Landing at SL.

BAGGAGE COMPARTMENTS

FRONT

Internal Volume	0.89 m ³
Loading Capacity	90 kg

REAR

Internal Volume	2.60 m ³
Loading Capacity	210 kg



SPECIFICATION SUMMARY

WEIGHTS

Max Take-off Weight	6200 kg
Max Zero Fuel Weight	5590 kg
Max Landing Weight	6100 kg
Max Ramp Weight	6230 kg

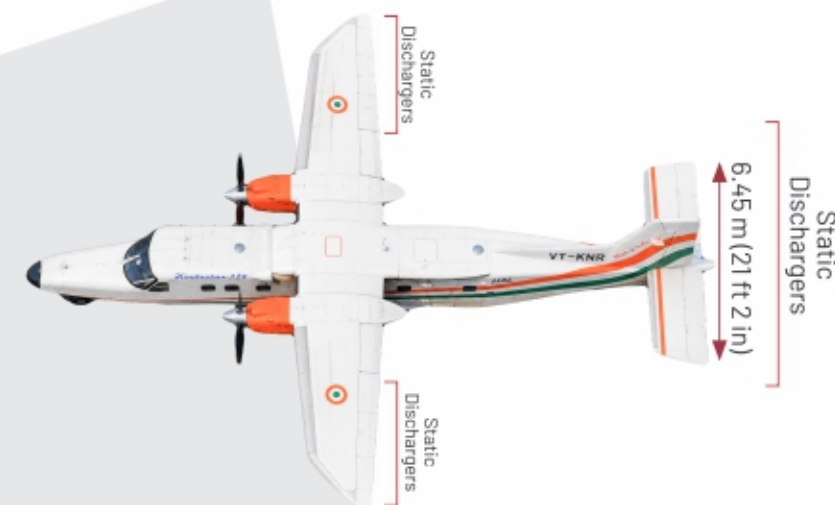
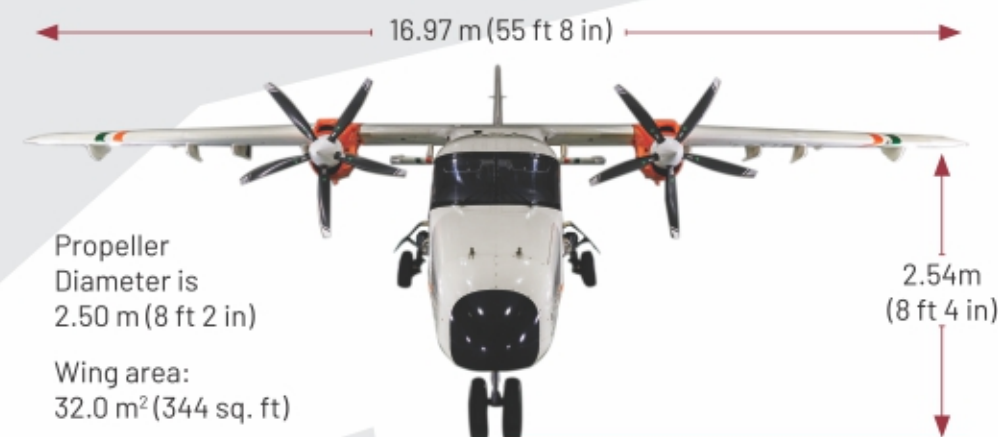
ENGINE RATINGS

2 x Honeywell TPE-331-10GP Engines

Takeoff power	2 x 715 SHP
Fuel Consumption (Max range speed)	245kg/hr

PERFORMANCE PARAMETERS (ISA +13° C)

Take Off distance	792 m
Accelerate Stop distance	829 m
Landing distance	530 m
Rate of Climb	8.03 m/s
Max Operating altitude	4572 m
Max Cruise speed	370 km/h
Max Range speed	333 km/h





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