



— A Maharatna CPSE —

हिन्दुस्तान एरोनॉटिक्स लिमिटेड
HINDUSTAN AERONAUTICS LIMITED



DHRUV NG

Next Generation | Multi-Mission | Multi-Role

DGCA Type
Certified

Longer Life,
Lower Costs

Enhanced
Manoeuvrability

Outstanding
Ride Quality

Advanced
Engines

All-Weather
Operations



Maximum Speed
291 kmph



Passengers
Up to 14



MTOW
5500 kg



Cabin volume
7.33 Cu m



Crew
2 Pilots



Cargo Capacity
1500 kg



Range
650 km



Service Ceiling
6500 m

DHRUV NG

The HAL Dhruv NG is a versatile multi-role, multi-mission helicopter engineered for superior agility, extended operational range, and mission flexibility. Combining advanced avionics, adaptable payload capabilities, enhanced safety systems, and exceptional comfort, it delivers outstanding efficiency and reliability across diverse operational environments.

The salient features are as follows:

- ◆ FAR 29 Certified
- ◆ TSOed Glass Cockpit
- ◆ Advanced Avionics, Navigation and Communication Systems
- ◆ Extensive use of Composites in Structure
- ◆ Advanced Composite Rotor Blades
- ◆ Shakti 1H1C Engines with dual channel FADEC
- ◆ 4 Axis AFCS
- ◆ Hingeless Main Rotor System
- ◆ Bearingless Tail Rotor System
- ◆ Crashworthy Crew and Passenger Seats



1. Main Rotor Blades
2. Crashworthy Crew Seats
3. Main Rotor Hub
4. Main Gearbox & Integrated Dynamic System
5. Engines
6. Tail Boom
7. Bearing-less Tail Rotor
8. Tail Rotor Gearbox
9. Empennage
10. Baggage Compartment

WIDE RANGE OF OPERATING CONDITIONS

- ◆ Certified for day and night, VFR and IFR operations
- ◆ Operates across extreme temperatures ranging from -40°C to $+55^{\circ}\text{C}$
- ◆ Takeoff and landing from unequipped helipads
- ◆ Hangar-free storage of the helicopter

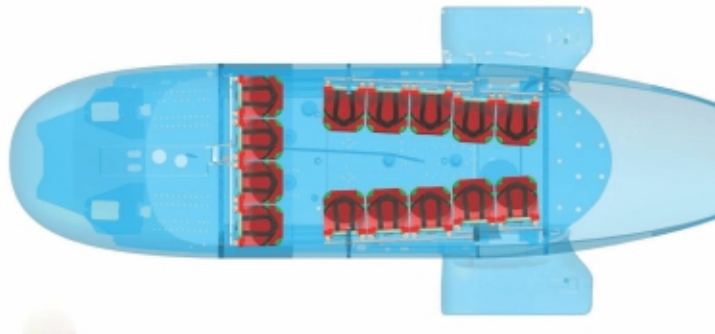
Roles of Dhruv NG

- ◆ Passenger Transport
- ◆ VIP Transport
- ◆ Offshore Operations
- ◆ MEDEVAC
- ◆ Search and Rescue
- ◆ Cargo Transport

PASSENGER

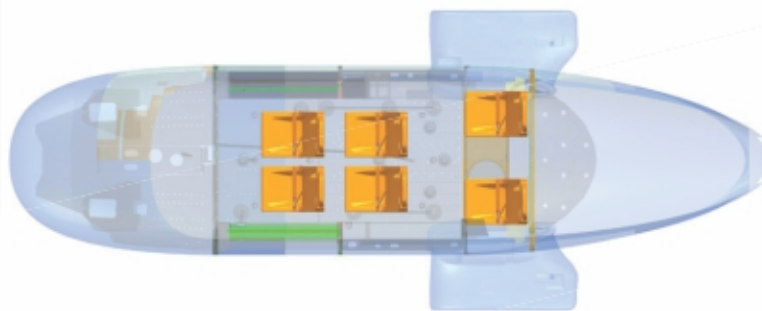
The helicopter can accommodate upto 14 crashworthy passenger seats. All seats are fitted with 4-point safety harness belts. Air Conditioning ensures comfort inside the passenger cabin.

Passenger Version interior Layout



CORPORATE (VIP)

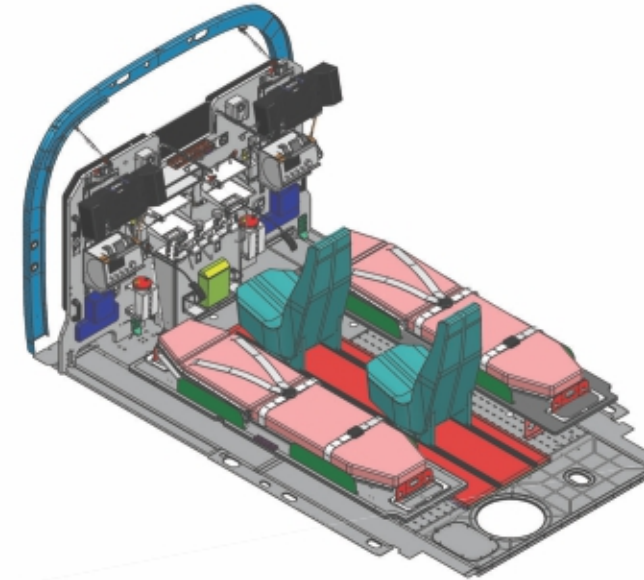
The helicopter in a corporate configuration has high-quality interior furnishing, crash-worthy luxury seats, multi-level vibration and sound insulation, head-up displays to ensure safety, and comfort in all weather conditions with 6 VIP seats.



MEDEVAC

Dhruv NG in MEDEVAC configuration allows the transportation of 1-2 injured patients accompanied by two medical attendants to provide emergency medical assistance on board.

The helicopter is equipped with the state-of-the-art medical module with oxygen support providing safe transportation and life support.



CARGO MOVEMENT

Capable of transporting Internal Cargo in the spacious 7.33 Cu m cabin.
External Cargo slung-load up to 1500kg.



OFFSHORE OPERATIONS

- Can accommodate upto 11 passenger seats.
- Compliance to offshore operational standard.
- Equipped with Emergency Floatation Gear and Life-saving equipment like Life Rafts, Life Jackets, Automatic Deployable ELT.



SEARCH AND RESCUE

Integrated with Electrically Operated Rescue Hoist having load carrying capacity of 250 kg.



OPTIONAL EQUIPMENT

Dhruv NG capabilities can be expanded with the following systems as per mission requirements.

- ◆ Emergency Floatation Gear
- ◆ Reversible Life Rafts and Life Jackets with PLB
- ◆ Night Vision Goggles
- ◆ Oxygen System
- ◆ Stretchers
- ◆ Rescue Hoist
- ◆ Search Light
- ◆ Automatic Identification System
- ◆ TCAS

SPECIFICATION SUMMARY

WEIGHTS

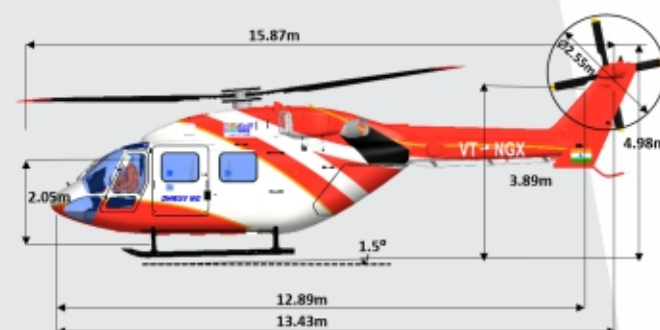
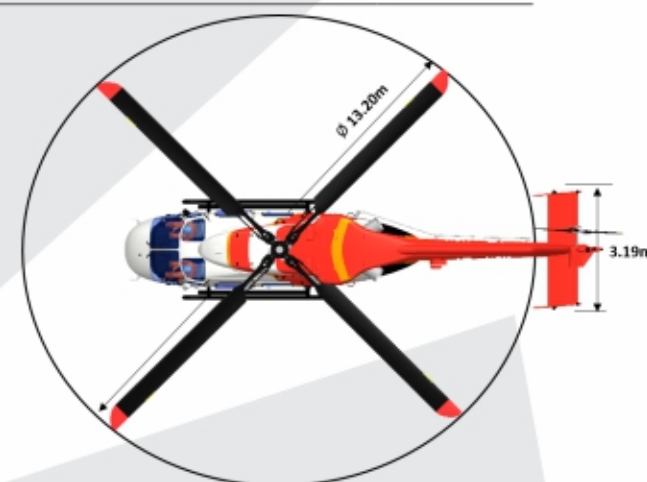
Max Take-off Weight	5500 kg
Useful Load	2180 kg
Under Slung Load	1500 kg

ENGINE RATINGS

2 X Shakti 1H1 C	
Max Takeoff power	1032 kW
Output Shaft power	779 kW

PERFORMANCE PARAMETERS (@ ISA, 4500 kg)

Never Exceed Speed	291 kmph
Max Cruise Speed	250 kmph
Max Rate of Climb	740 m/min
Service Ceiling	6500 m
Max Range	650 km
Endurance	3hr 45 min
IGE Hover ceiling	6000 m
OGH Hover ceiling	5600 m



360° Customer Support



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