PLATFORM DATASHEET · CHAKRA · 100 / 150 KG

Chakra heavy-lift helicopter programmes

STATUS · IN DEVELOPMENT

Biggen AEROSPACE
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Two helicopter UAVs under research in the 350 kg and 500 kg gross-weight classes, for 100 kg and 150 kg payloads at altitude.



Helicopter UAV climbing, seen from below against grey cloud

MISSION ROLES

- Defence logistics at high altitude: rations, equipment, stores
- Emergency medical supply to remote terrain
- Commercial cargo where roads fail

PAYLOAD OPTIONS

Medical supply container [IN DEVELOPMENT]
Temperature-managed box for vaccines and medicines

Cargo sling and hard-points [IN DEVELOPMENT]
External loads for stores and equipment

SPECIFICATION

CHAKRA 100 KG PAYLOAD CLASS (TARGETS)	
Engine	Internal combustion or turbine
Gross weight	360 kg
Payload	100 kg
Endurance	up to 120 min
Cruise speed	150 km/h
Range	200 km
Autonomy	Fully autonomous waypoint navigation, auto take-off and auto landing
CHAKRA 150 KG PAYLOAD CLASS (TARGETS)	
Gross weight	500 kg
Payload	up to 160 kg
Endurance	up to 180 min
Cruise speed	150 km/h
Range	up to 800 km
Max operational altitude	5,000 m
Autonomy	Fully autonomous waypoint navigation, auto take-off and auto landing

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