Tiger HAD

Reconnaissance

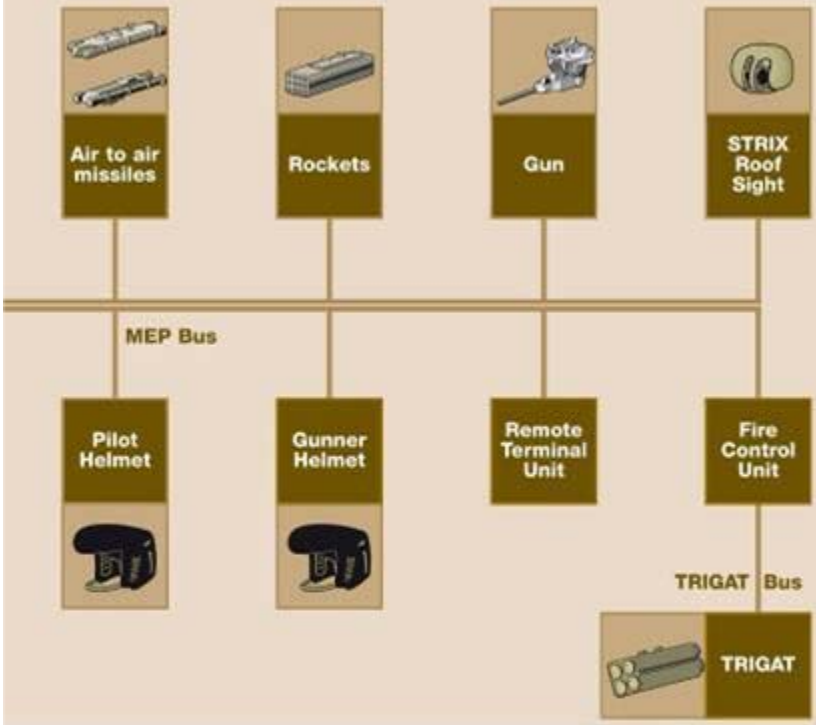
Escort

Fire Support

Tank Destruction

eurocopter
an EADS Company

helicopters you can count on



LRU exchange in NBC conditions (ARINC 600)

Typical Configurations

Armed Reconnaissance/Escort

44 rockets of 68 mm + 4 air to air Misral

6 km range Mistral
Off-axis target acquisition

Antitank (TRIGAT)

8 antitank TRIGAT + 4 air to air Mistral

Fire and Forget TRIGAT

Target designation
with no disclosing
laser or radar signal

Fire Support

4 rockets pods of 68 mm or 70 mm

Versatile rocket weapon system
managing 68 mm and 70 mm rockets

Ferry

2 external fuel + 4 air to air Mistral

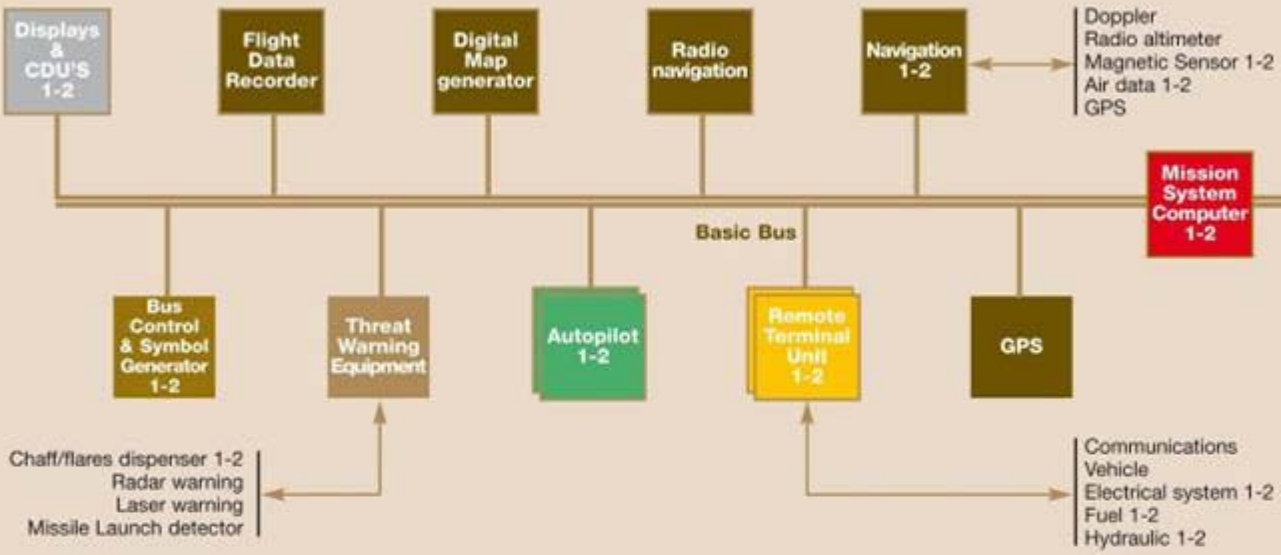
1200 km range

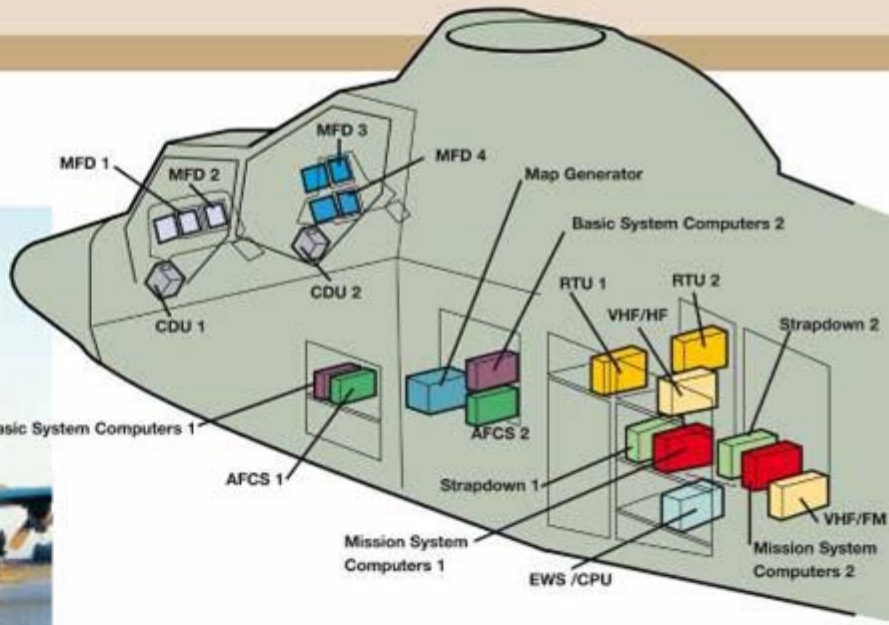
Antitank (Hellfire)

8 Hellfire + 4 air to air Mistral or Stinger

8 km range laser guided Hellfire

General Design





Battlefield Management

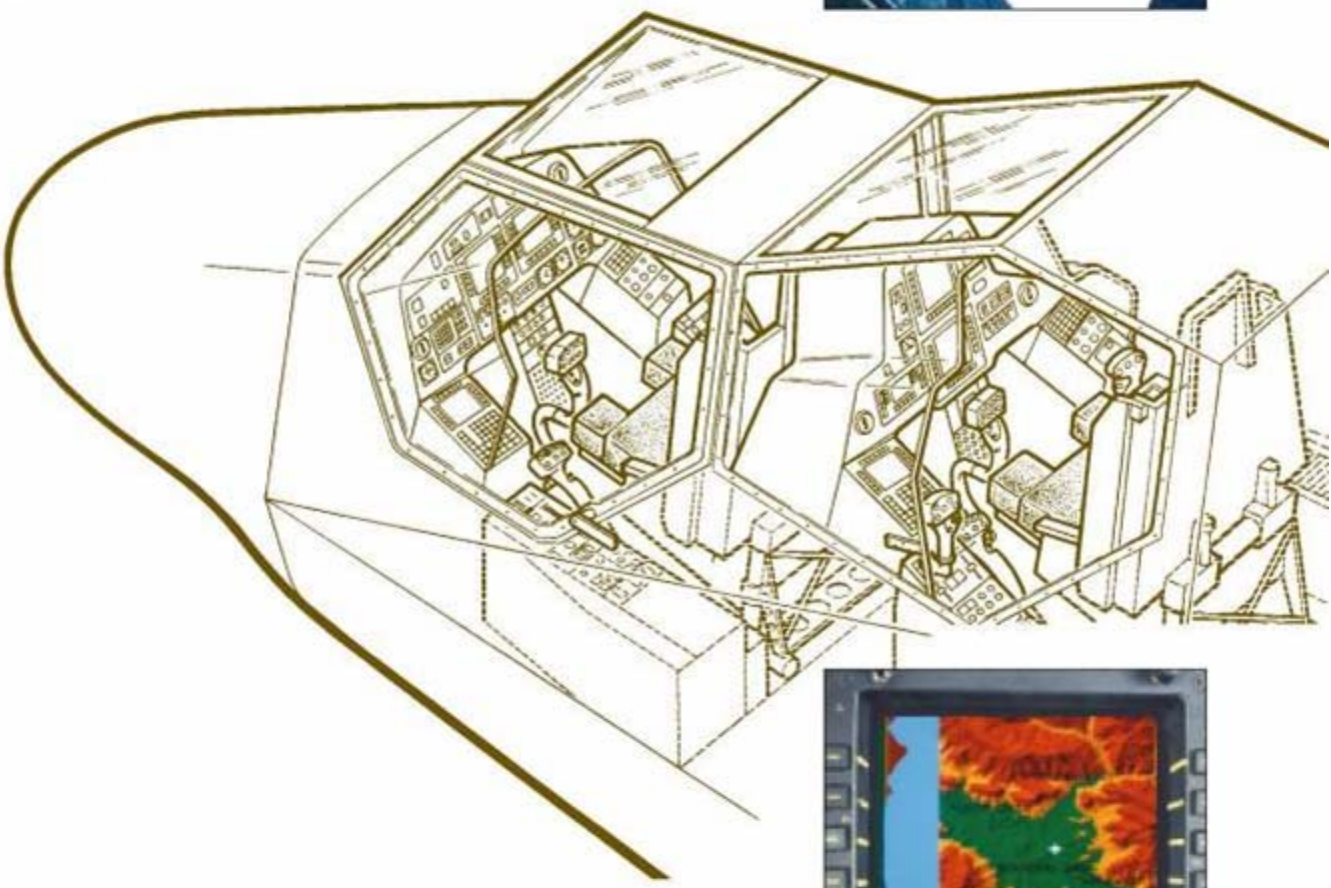
Day and night operations in adverse weather conditions

Target detection, acquisition, designation and tracking by

- IRCCD 2nd generation thermal imager
- TV camera
- Laser range finder/designator

Full piloting capability and wide field of view from both seats

Armoured crashworthy seats

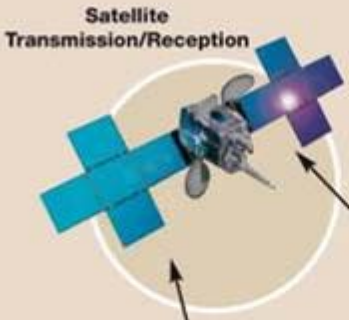


Raster map with tactical overlays

- Topographical maps
- IFR charts
- Mission overlays
- Presentation of target photos
- Recording and display of IR/TV sensor images of Gunner sight
- Target hand-over
- Radio data link management
- Handling of mission data

Pilot's cockpit

Gunner's cockpit



2
VHF/UHF
Saturn

Up Link & Down Link

2
VHF/UHF
PR4G

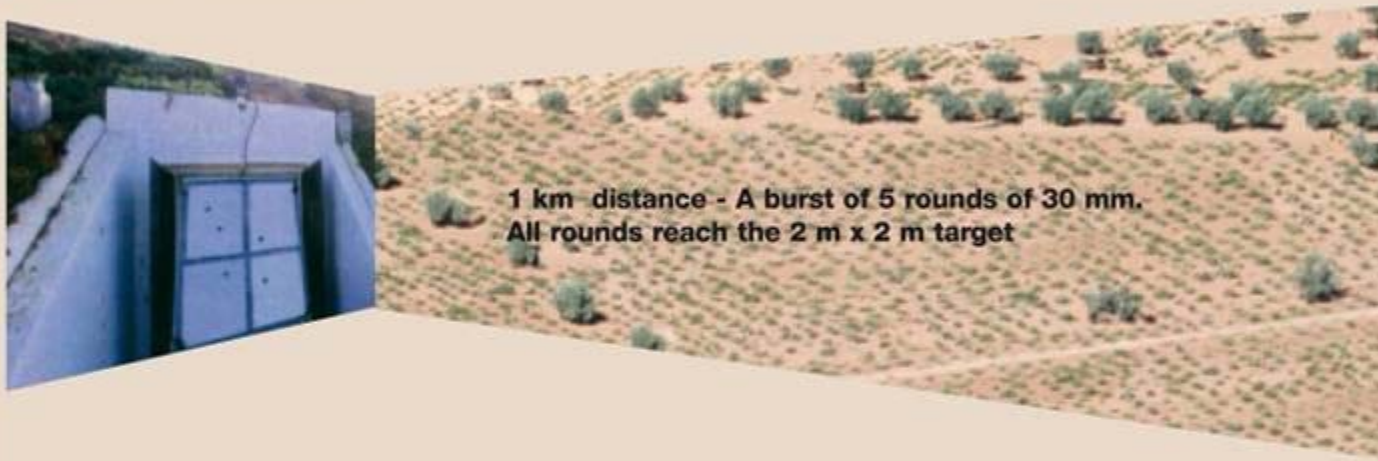
Ground station

Data Insertion Device

1 HF 9000
Long distance

A quantum leap in gun accuracy

The 30 mm gun system on Tiger opens a new frontier for operational missions demanding new benchmarks of gun performance.



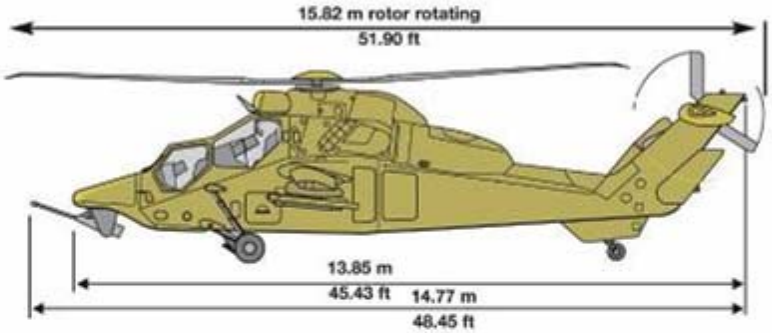
At 1 km, Tiger appears with the visual cross section of a 2 cm-thick pen seen from 10 meters. The gun becomes a highly accurate and cheap weapon used for combat and for training. Tiger has been qualified to destroy a highly dynamic target such as a maneuvring helicopter by firing just 5 rounds from 1 Km.

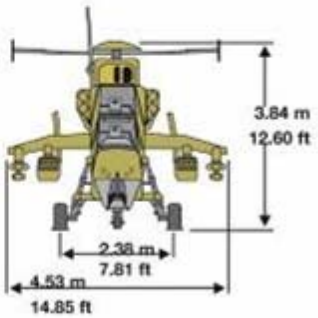
An advanced technology on production with no competition... Well ahead of past designs based on on metal structures

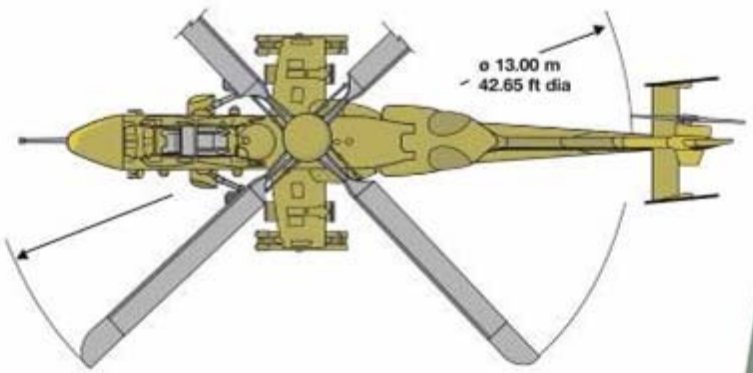
77% of Tiger's structural weight are components of carbon, aramid, or glassfiber.

- Weight reduction up to 30%
- Smooth surface
- Corrosion free structures
- High degree of integration
- No crack propagation
- Damage tolerant behavior
- Easy battlefield repair.

Main Features







Cockpit
- Tandem, pilot in front
- Air conditioned

Airframe
- Monolitic carbon and nomex/carbon composites

Main rotor head
- Hingeless flapping and lead-lag movements
- Excellent dynamics characteristics

Vibration suppressor
- SARIB type (passive system)

Engines
- 2 MTR 390 step 1.5 1322 shp, SL, ISA
- Full authority digital engine control

APU function
- LH engine declutching

Training
- On board training device
- 3 videos + 1 audio recorded

Survivability
- Low radar signature
- Low infrared emission
- Outstanding aircraft agility

Crashworthiness
- 90% of MIL-STD-1290

Avionics
- Redundant MIL 1553 data bus
- Glass cockpit (4 displays)
- Map Display with battlefield management system
- Satellite, HF and VHF/FM data transfer
- Radar, laser, missile launch warning and chaff/flares dispenser

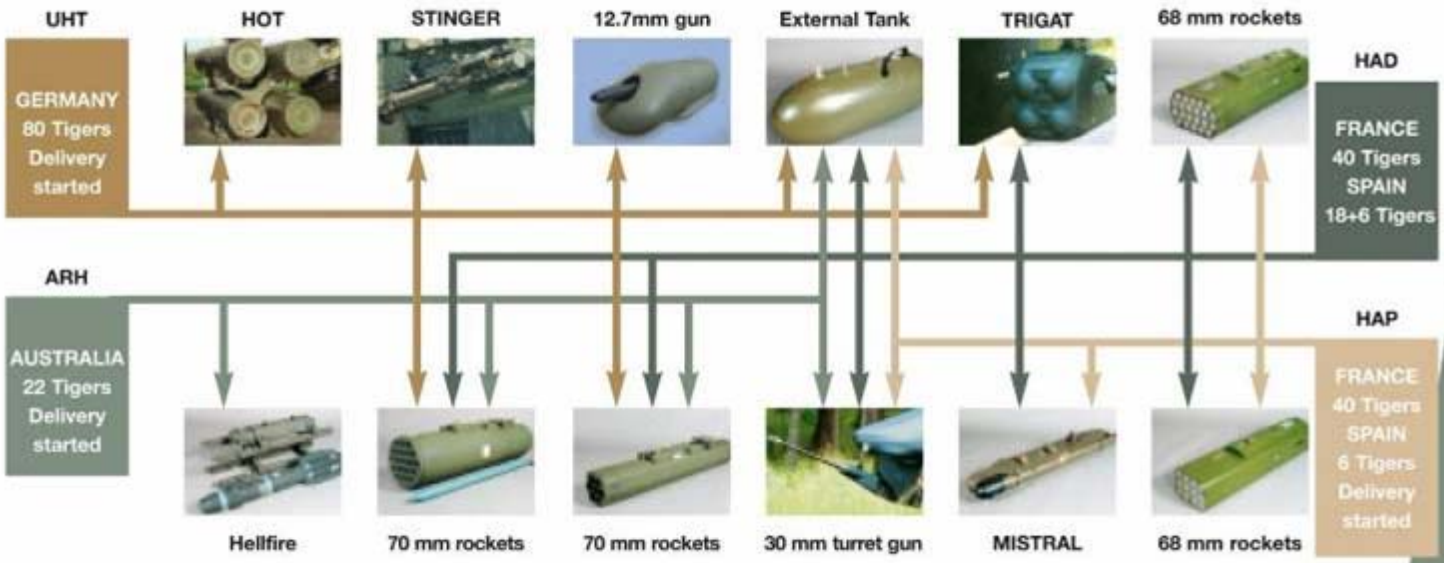
Armament
- Independant MIL 1553 mission bus
- Turret gun, 68/70 mm rockets, TRIGAT or Hellfire, Mistral or Stinger

Typical Performance by hot day, in altitude (3000 ft; 35°C)

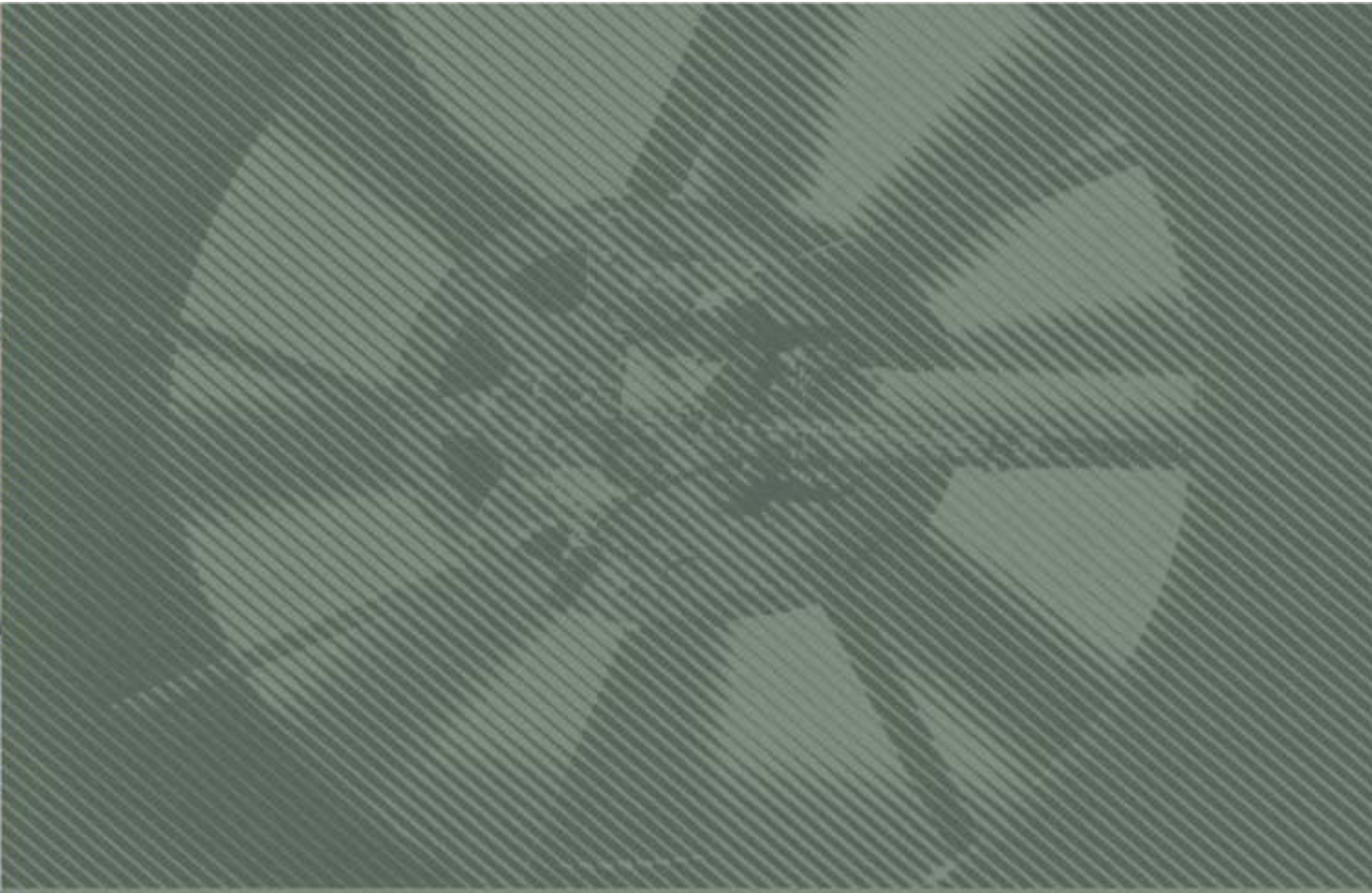
Mission weight:	up to 6.6 t	
Maximun hover weight Out of Ground Effect	6.17 t	
Maximum weight to maintain flight level in OEI* at 75 knots	5.87 to 5.91 t	According to configuration
Level Speed	138 kts to 147 Kts	
Climb AEO at 75 knots	1300 ft/min to 2285 ft/min	
Mission endurance	2 hrs 35 min (standard) 3 hrs 15 min (extended)	

Ferry range from sea level, 25°C with 3000 m cruising altitude: 1200 Km

* one Engine Inoperative



Tiger serves 4 Armies since 2005



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