

NEXT GENERATION TRAINER

Superior power safety margins, excellent flight handling qualities and controllability paired with a robust, durable design characterize this helicopter as a full-spectrum training aircraft. From “Ab” initio through advanced training, low direct operating costs (DOCs) make this single engine class aircraft the right aircraft to train the next generation of helicopter pilots.

AgustaWestland
TH-119
Made exclusively in the USA



*Lower Cost
Better Training*

TH-119

SAFETY FEATURES

- High power available maximizes safety margins
- High resistance cocoon-type airframe
- High visibility cockpit
- Dual independent hydraulic system
- Dual independent SAS (Stability Augmentation System)
- Advanced skid-type shock absorbing landing gear

BENEFITS TO BASIC HELICOPTER TRAINING

- Upgrading training aircraft from the current analog to digital creates positive habit transfer to follow on aircraft
- Easy to update/upgrade cockpit
- Fully compatible with night vision devices
- TH-119 enables a single aircraft configuration for all phases of training, from Ab initio through advanced
- Single model training fleet flexibility (VFR/IFR)
- Greater range and faster airspeeds allow for more efficient training cycles and training events without the need to refuel
- TH-119 can carry additional students in low altitude training flights with excess power margin

BENEFITS TO PRIMARY TRAINING

- TH-119 high power margin provides a forgiving environment for new pilot introduction to rotary wing flight
- Aircraft provides touchdown autorotation capability up to max gross weight
- Removable and replaceable skid shoes

BENEFITS TO INSTRUMENT TRAINING

- TH-119 offers a faster cruise speed and extended range
- Less en-route time, and more time for approaches
- Stable, and forgiving IFR platform with 3-Axis AFCS
- Glass cockpit makes for easier and faster transition to more advanced helicopters



A unique feature of the TH-119 is the centrally located observer seat. The observer seat provides an unobstructed view of the cockpit providing additional learning and training opportunities for student pilots.

TECHNICAL DATA

AVIONICS

- AC System (2 inverters)
- AFCS 3-axis duplex system
- Flight Director
- Independently powered Electronic Standby Instrument display
- ICS pilot, co-pilot and cabin
- Radio altimeter
- Marker beacon
- ELT
- Digital Integrated Flight Deck including:
 - Four (4) 6" x 8" (10.4" diagonal) display units providing Primary Flight Display (PFD) and Multi-Function (MFD) information
 - 3D Synthetic Vision System with Highway In The Sky (HITS) navigation
 - Helicopter Terrain Avoidance Warning System (HTAWS) with terrain and obstacle database
 - Moving map
 - Dual VHF/AM communication, VOR/ILS navigation, GPS/WAAS navigation, Aural Warning Generator (AWG)
 - Mode S transponder with ADS-B out
 - Flight data logging
 - FIS-B NEXRAD and textual weather
 - TACAN

ADDITIONAL EQUIPMENT

- Air conditioning
- Engine inlet barrier filter
- Dual controls
- Reinforced windshield
- Removable skid shoes
- Optional cargo hook and hoist

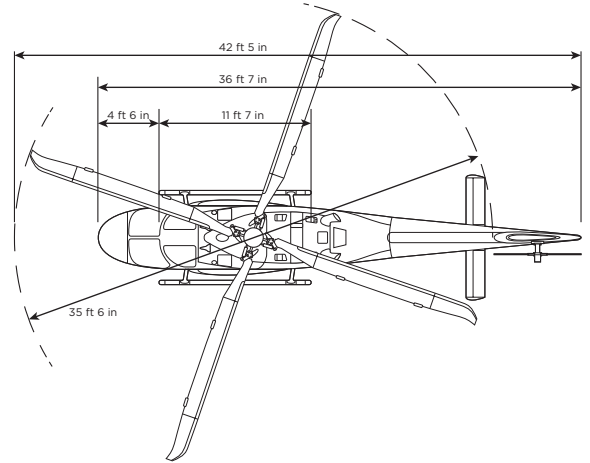
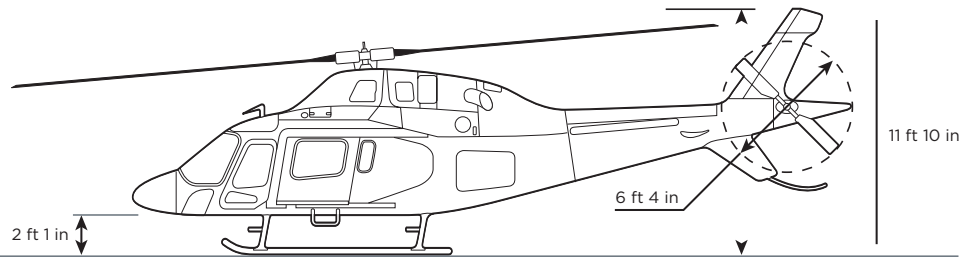
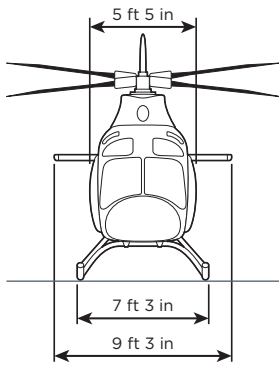
REDUCED OPERATING COST

- Simplified maintenance with extended inspection intervals
- Limited number of components subject to overhaul and retirement life

GUARANTEED COST PROGRAMS

- For both airframe and engine to meet customer operational requirements in all kinds of application





WEIGHT

Max gross weight (int. loads) 6,283 lb
 Basic empty weight 3,527 lb

ENGINE RATINGS (PT6B-37A)

Take off (5 min) 1 x 1,002 shp
 Max continuous 1 x 872 shp

TRANSMISSION RATINGS

AEO Take Off Power (5 min) 917 shp
 AEO Max Continuous Power 900 shp

FUEL CAPACITY

3-CELL fuel system 160 USgal
 4-CELL fuel system 188 USgal
 5-CELL fuel system 230 USgal

SEATING

Pilot 1 or 2
 Passengers 1 to 4*

* In training configuration (6/7 in std configuration)

PERFORMANCE (ISA, MGW)

VNE (SL) 152 kts
 Cruise speed (SL - MCP) 131 kts
 Rate of Climb (SL - TOP) 1,800 ft/min
 Hovering IGE 11,000 ft
 Hovering OGE 7,300 ft
 Service ceiling 15,000 ft
 Maximum range * 515 nm
 Maximum endurance * 5hrs 20 min

* With 1,516 lbs useable fuel - no reserve - @ 5,000 ft



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