

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

R0012DE
BHI H60 Helicopters, LLC
BHI H60
(UH-60A)

April 28, 2015

TYPE CERTIFICATE DATA SHEET R0012DE

This data sheet, which is a part of Type Certificate No. R0012DE prescribes conditions and limitations under which the product for which the type certificate was issued meets the airworthiness requirements of the 14 Code of Federal Aviation Regulations (14 CFR).

TYPE CERTIFICATE (TC) HOLDER: BHI H60 Helicopters, LLC
375 CR 352, Building 3060
Rifle, CO 81650

MODEL NUMBER: BHI H60 (UH-60A - Restricted Category Rotorcraft) Approved April 20, 2015.

ENGINES: (2) General Electric T700-GE-700 Original
(2) General Electric T700-GE-701C Alternate
(2) General Electric T700-GE-701D Alternate

FUEL: Aviation Kerosene JP-4, JP-5, JP-8, Jet A, Jet A-1 or Jet B.

ENGINE LIMITS: (T700-GE-700)

	SHAFT HP	POWER TURBINE RPM	GAS GEN RPM	POWER TURBINE INLET (TGT)
Military Power (30 min.)	1,561	20,900	44,700	850° C
Normal Cont. Cruise	1,318	20,900	44,700	775° C

ENGINE LIMITS: (T700-GE-701C)

	SHAFT HP	POWER TURBINE RPM/%	GAS GEN RPM/%	POWER TURBINE INLET (TGT)
Contingency Rated Power (CRP) (2 1/2 min. OEI)	1,940	20,900/100	44,700/102	903° C
Maximum Rating (10 Min. dual)	1,890	20,900/100	44,700/102	878° C
Intermediate Rated Power (IRP) (30 min dual)	1,800	20,900/100	44,700/102	851° C
Maximum Continuous Power (MCP)	1,662	20,900/100	44,700/102	810° C

ENGINE LIMITS: (T700-GE-701D)

	SHAFT HP	POWER TURBINE RPM/%	GAS GEN RPM/%	POWER TURBINE INLET (TGT)
Contingency Rated Power (CRP) (2 1/2 min. OEI)	1,940	20,900/100	44,700/102	903° C
Maximum Rating (10 Min. dual)	1,890	20,900/100	44,700/102	878° C
Intermediate Rated Power (IRP) (30 min dual)	1,800	20,900/100	44,700/102	851° C
Maximum Continuous Power (MCP)	1,662	20,900/100	44,700/102	810° C

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TRANSMISSION LIMITS:
(UH-60A)

TORQUE:
110% Single Engine (No time limit)
100% Dual Engine (No time limit)

ROTOR LIMITS:

Max. 258 RPM
Min. 232 RPM

AIRSPEED LIMITS:
H60
temperature.

V_{ne} Power on: 193 knots IAS, (221 MPH). See document BHI-210 "BHI H60 Helicopters, LLC" Operator's Manual for the Restricted Category Aircraft Model BHI Helicopter for variations of V_{ne} with gross weight, pressure altitude, and

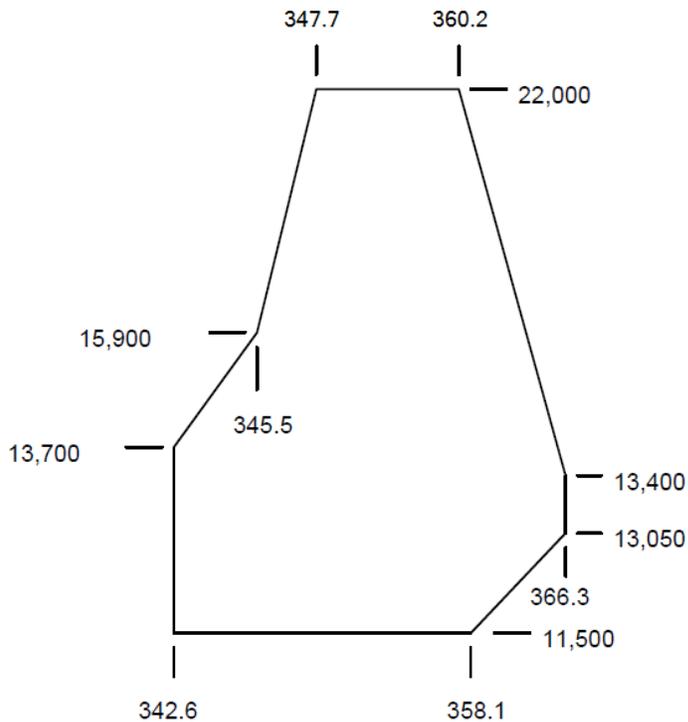
Refer to document no. BHI-210, "BHI H60 Helicopters, LLC" Operator's Manual for the Restricted Category Aircraft Model BHI H60 (Sikorsky UH-60A BLACKHAWK Helicopter), Rev. IR, Dated January 26, 2015 or later FAA approved revisions for additional limitation data.

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INCHES AFT OF DATUM

DATUM:

341.2 inches forward of the main rotor centroid.

MAXIMUM WEIGHT:

22,000 lbs.

MINIMUM CREW:

2 (pilot, copilot)

NUMBER OF SEATS: 2 at Sta. 227.1; 1 at Sta. 262.0; 3 at Sta. 282.0; 3 at Sta. 320.7; 4 at Sta. 339.8; 4 at Sta. 387.2.

FUEL CAPACITY: 361.5 gallons; 2 tanks (LH & RH interchangeable).
359.7 gallons; 2 tanks (LH & RH interchangeable) (with fuel boost pumps installed).

OIL CAPACITY: 7 quarts each engine.

OTHER LIMITS: Refer to approved document no. BHI-210, "BHI H60 Helicopters, LLC Operator's Manual for the Restricted Category Aircraft Model BHI H60 Helicopter", Rev. IR, Dated January 26, 2015 or later FAA approved revision. Flight hours are counted from takeoff to landing.

SERIAL NO. APPROVED: U.S. military surplus Sikorsky UH-60A Blackhawk helicopters as identified in BHI H60 Helicopters, LLC Serial Number Approved Report Number BHI-204, Rev. IR dated April 20, 2015, or later FAA approved revision.

CERTIFICATION BASIS: Part 21 § 21.25(a)(2) effective February 1, 1965, including Amendments 21-1 through 21-42 for the special purposes listed in FAR 21.25 (b)(1)(2)(7).
§ 21.25(b) (1) Agriculture Operations
§ 21.25(b) (2) Forest & Wildlife Conservation
§ 21.25(b) (7) External Loads

Note: In accordance with § 36.1(a) (4), compliance with the noise requirements was not shown. Therefore, aircraft certificated under this type certificate are only eligible for aerial dispensing of liquids and forest conservation material excepted by § 36.1(a) (4) and defined under § 137.3 and 133.1(b).

Any alteration to the aircraft for Special Purposes not identified above require further FAA approval and in addition, may require noise and/or flight testing.

General Note: Any subsequent modifications to the helicopters type certified under this Type Certificate are to have the certification basis for that modification established under 14 CFR part 21 § 21.101 published June 7, 2000 which became effective June 10, 2003. Otherwise non-significant modifications are to meet the requirements of 14 CFR 29 airworthiness standards, transport category, Amendment 1, effective August 12, 1965 and 14 CFR part 29 § 29.1529, Instructions for Continued Airworthiness, Amendment 20, effective September 11, 1980.

DATE OF APPLICATION: December 4, 2014

PRODUCTION BASIS: None. No helicopters may be produced under this approval. Each helicopter must pass a conformity inspection in accordance with this TCDS, plus any additional special instructions attached to the Request for conformity, FAA 8120-10. In addition, a check by the Type Certificate holder or its agent, of the flight characteristics in accordance with applicable portions of the Maintenance Test Flight manual BHI-208, Dated September 25, 2009 or later approved revision for model BHI H60 (UH-60A) helicopters.

EQUIPMENT: The basic required equipment necessary for the particular special purpose operation must be installed for certification.

NOTE 1: A current weight and balance report including a list of equipment included in the certified empty weight, and loading instructions when necessary, must be provided for each helicopter at the time of original airworthiness certification.

NOTE 2: The following placards must be prominently displayed in the cockpit in full view of the pilots:

Placard No. 1

THIS HELICOPTER MUST BE OPERATED IN COMPLIANCE WITH THE OPERATING LIMITATIONS SPECIFIED IN THE APPROVED HELICOPTER OPERATIONS MANUAL.

Placard No. 2

THIS ROTORCRAFT MUST BE OPERATED IN ACCORDANCE WITH THE RESTRICTED CATEGORY OPERATING LIMITATIONS OF 14 CFR PART 91.313.

Placard No. 3

EXTERNAL LOADS OPERATIONS: V_{ne} WILL BE DETERMINED FOR EACH PROPOSED EXTERNAL LOAD APPLICATION.

NOTE 3: The builder's data plate required by part 45 § 45.13 must be installed in accordance with BHI H60 Helicopters, LLC Drawing BHI-001, Rev. A dated March 18, 2015, or later FAA approved revisions.

NOTE 4: The helicopter(s) must be serviced, maintained, inspected, repaired and overhauled in accordance with the requirements specified in BHI H60 Helicopters, LLC document no. BHI-202 "Instructions for Continued Airworthiness" Rev. IR dated January 14, 2015 or later FAA accepted revision, or inspected in accordance with other FAA accepted inspection programs. The service life limited parts overhaul and retirement intervals for these helicopters is specified in BHI H60 Helicopters, LLC document no. BHI-202 "Instructions for Continued Airworthiness" Rev. IR dated January 14, 2015. A FAA approved/accepted copy must accompany each helicopter on delivery.

NOTE 5: This helicopter must be operated in accordance with the Operator Manual comprised of the following:

(1) BHI H60 Helicopters, LLC approved document no. BHI-210 "BHI H60 Helicopters, LLC Operator's Manual for the Restricted Category Aircraft Model BHI H60 Helicopter", Rev. IR, Dated January 26, 2015 or later FAA approved revisions.

NOTE 6: Prior to obtaining an original Airworthiness Certificate:

- A. Each helicopter must pass a conformity inspection in accordance with BHI H60 Helicopters, LLC document no. BHI-201 "Engineering Configuration", Rev. IR dated February 11, 2015 or later FAA approved revision. The Engineering Configuration Report identifies the U.S. Army airframe changes, and special purpose modifications accomplished on that particular helicopter.
- B. Each helicopter must pass an inspection for any possible hidden damage and the Military records reviewed for acceptability of any repairs or alterations.
- C. The maintenance, overhaul, and modification records of each helicopter must be reviewed for military changes that may affect the airworthiness of the helicopter. Modifications and changes of equipment that affect the safety or performance of the helicopter must be approved by the Federal Aviation administration.
- D. After the required inspections, the aircraft must be found to be in a good state of preservation, repair, and in a condition for safe operation.

- NOTE 7: A Restricted Category helicopter may not be operated in a foreign country without the express written approval of that country.
- NOTE 8: This helicopter has not been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation.
- NOTE 9: Military to Civil or Military to Military engine changes are allowed provided the replacement engine is conformed to BHI H60 Helicopters, LLC document no. BHI-202 "Instructions for Continued Airworthiness" Rev. IR, dated January 14, 2015 or later approved FAA revision. The military or civil replacement engine must have proper military or civil records and have the applicable FAA Airworthiness Inspection accomplished and is in an airworthy condition.
- NOTE 10: The Safety of Flight Compliance Report for the helicopter contained in BHI H60 Helicopters, LLC, document no. BHI-205 "Airworthiness & Military Safety Messages", Rev. IR, dated January 12, 2015, or later FAA Approved revision, must be complied with prior to original airworthiness certification.
- NOTE 11: Alternative and emergency fuels are listed in document no. BHI-210 "BHI H60 Helicopters, LLC Operator Manual for the Restricted Category Aircraft Model BHI H60 "Sikorsky UH-60A, UH-60L, EH-60A BLACKHAWK" Helicopter", Rev. IR, Dated January 26, 2015 or later FAA approved revision.
- NOTE 12: Any alteration to the type design of this aircraft may require Instructions for Continued Airworthiness. These instructions must be submitted and accepted by the Administrator, prior to approval for return to service.
- NOTE 13: The certification life limits for the helicopter, its engine and appliances were based on satisfactory service history as designed and operated by the military. Therefore, to operate and maintain the aircraft to the original acceptance criteria, and maintain it's safe for intended use requirement, cycle counting and operational time tracking is required on certain critical components. Ref. BHI H60 Helicopters, LLC document no. BHI-202, H60 (Sikorsky UH-60A Blackhawk) Helicopter "Instructions for Continued Airworthiness" Rev. IR, dated January 14, 2015, or later FAA approved revisions.

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