

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

HR-35
Revision 3
VERTOL
H21A
Revised January 24, 2005

TYPE CERTIFICATE DATA SHEET NO. HR-35

This data sheet which is a part of type certificate No. HR-35 prescribes conditions and limitations under which the product for which the type certificate was issued meets the airworthiness requirements of the Civil Air Regulations.

Type Certificate Holder: **This Type Certificate (TC) has been designated as ABANDONED** (See Note 5)

Type Certificate Holder Record: Heli-Crane Corporation
Van Nuys Airport
7646 Hayvenhurst Avenue
Van Nuys, California

I - Model H21A (Restricted Category), approved July 21, 1961

Engine	Wright R-1820-103
Fuel	115/145 or 100/130 minimum grade aviation gasoline
Engine limits	Maximum r.p.m. 2600 Maximum manifold pressure 50 in. Hg.
Rotor limits and engine operating speeds	Power Off (Rotor Tach) Power On (Engine Tach.) Maximum 260 r.p.m. Maximum 2500 r.p.m. Minimum 235 r.p.m. Minimum 2300 r.p.m.
Airspeed limits	Vne (Never exceed) 110 knots. (See NOTE 2 for required placards)
C.G. range	31 in. fwd. to 6.5 in. aft
Datum	Point midway between rotors
Maximum weight	14,500 lb.
Minimum crew	1 (Pilot)
Fuel capacity	Main fuel tank and three auxiliary tanks 600 gal. (3600 lb)
Oil capacity	21.5 gal.
Other operating limitations	USAF T.O. 1H-21-1 and Heli-Crane Corporation FAA Approved Flight Manual Supplement Revision dated November 18, 1963.
Serial Nos. eligible	All USAF serial Nos
Certification basis	CAR 8 effective October 11, 1950. Type Certificate No. HR-35 issued July 21, 1961, for the purposes of: (1) Dumping fire retardants. (2) Aerial placement of power and telephone poles, air conditioning units, wet concrete and other similar items conducted in furtherance of operator's or lessee's own business only. Date of application for Type Certificate April 4, 1961.

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Production basis	None. No helicopter may be produced under this approval.
Equipment:	The basic required equipment as prescribed in the applicable airworthiness regulations (see certification basis) must be installed in the helicopter for certification. In addition, equipment necessary for the particular special purpose must be installed.

NOTE 1. Current weight and balance report including list of equipment included in certificated empty weight, and loading instructions when necessary, must be in each helicopter at time of original airworthiness certification and at all times thereafter.

NOTE 2. The following placard must be prominently displayed in the cockpit in full view of the pilot:

"Airspeed Limits"

Never exceed speed, Vne 110 KIAS
With external stores in place 65 KIAS
Maximum dumping speed 40 KIAS
With empty bag hanging free 40 KIAS

NOTE 3. Prior to civil airworthiness certification, the following must be accomplished:

- (a) Modification in accordance with Heli-Crane Dwg. No. H.C.C. -001 or other FAA-approved special purpose modification.
- (b) The provisions of AD 51-12-1, AD 58-20-4, AD 60-7-8, AD 60-23-5, AD 64-19-6 and AD 64-27-4.
- (c) The provisions of USAF T.O. 1H-21-526, -531, -541, -582, -587, -588, -589, -592, -593, -593B, -600A, -601, -602, -604, -610, -614B, -616, -618, -620, -621, -622 and -623.

NOTE 4. This model helicopter must be serviced and maintained in compliance with T.O. 1H-21-6 including Heli-Crane Special Inspections on Pages 4-2 and 4-7; and AD 51-12-1, AD 60-23-5 and AD 64-27-4.

NOTE 5. **This Type Certificate (TC) has been designated "ABANDONED".** A “Notice of Intent To Designate as Abandoned Certain Type Certificates Issued in the Restricted Category,” was published by the Federal Aviation Administration (FAA) in the Federal Register on August 8, 2003 (68 FR 47379). That Notice listed this TC. The FAA received no comments on the published Notice. The FAA has been unable to contact this TC holder. Hence, the FAA has determined that this TC holder is not complying with its Continued Operational Safety (COS) responsibilities. Therefore, no additional aircraft will be added to this TC and no additional original airworthiness certificates will be issued based on this TC. The effectiveness of this TC is limited to those aircraft that received original airworthiness certification prior to the incorporation of this note (Date of Incorporation, January 24, 2005). Subsequently, if the TC holder is located and assumes their COS responsibilities, the restriction(s) imposed by this note may be lifted.

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