

U.S. DEPARTMENT OF TRANSPORTATION  FEDERAL AVIATION ADMINISTRATION  TYPE CERTIFICATE DATA SHEET P12BO	TCDS NUMBER: P12BO REVISION: 1  HOFFMANN MODEL: HO-V 343  March 12, 2007
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Propellers of models described herein conforming with this data sheet (which is part of Type Certificate No. P12BO) and other approved data on file with the Federal Aviation Administration, meet the minimum standards for use in certificated aircraft in accordance with pertinent aircraft data sheets and applicable portions of the Federal Aviation Regulations provided they are installed, operated, and maintained as prescribed by the approved manufacturer's and other approved instructions.

Type Certificate Holder                    Hoffmann GmbH & Co.KG  
 Kuepferlingstr. 9  
 D-83022 Rosenheim  
 Federal Republic of Germany

Type    Constant speed; hydraulic

Engine shaft                                Mounting flange 4.75" diameter boltcircle, 6 bolts  
 1/2" - 20 UNF, center bore 2.248" - 2.250" dia

Hub material                                Aluminum alloy

Blade material:                            Laminated wood composite structure, epoxy-fiber glass cover  
 with metal tipping

Number of blades                        Three

Hub Model Eligible                      HO-V 343

Certification Basis                        The U.S. certification basis determined under Section 21.29 of the FAR and  
 Bilateral Airworthiness Agreement between the United States and the Federal  
 Republic of Germany is FAR 35, effective February 1, 1965, Amendments 35-1 to  
 35-6, inclusive. Joint Airworthiness Requirements JAR-P Propellers, Change 7  
 inclusive.

Luftfahrt-Bundesamt (LBA) originally type certificated this propeller under its type  
 certificate Number 32.130 / 090. The FAA validated this product under U.S. Type  
 Certificate Number P12BO. Effective September 28, 2003, the European Aviation  
 Safety Agency (EASA) began oversight of this product on behalf of the Federal  
 Republic of Germany.

TC (Import) No:                            LBA-Data Sheet No. 32.130 / 090, August 20, 1993

TC Application Date:                    October 27, 1993

TC Issued:                                 March 26, 1997

PAGE	1	2	3	4
REV.	1	1	1	1

Import Requirements

To be considered eligible for installation on U.S. registered aircraft, each propeller to be exported to the United States shall be accompanied by a Certificate of Airworthiness for export endorsed by the LBA on behalf of the European Community which contains the following language:

(1) This propeller conforms to its United States type design (Type Certificate Number P12BO) and is in a condition for safe operation.

(2) This propeller has been subjected by the manufacturer to a final operational check and is in a proper state of airworthiness. Reference FAR Section 21.500 which provides for the airworthiness acceptance of aircraft engines or propellers manufactured outside the U.S. for which a U.S. type certificate has been issued. Additional guidance is contained in FAA Advisory Circular 21-23, Airworthiness Certification of Civil Aircraft, Engines, Propellers and Related Products, imported into the United States.

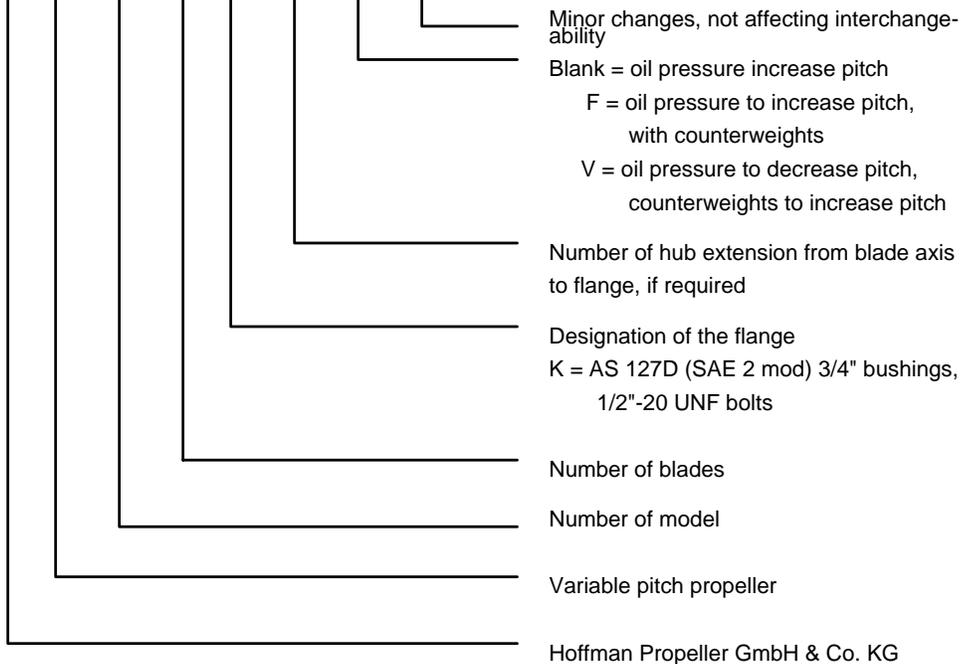
Hub (Model) HO-V 343	Propeller blade (See Notes 2 & 6)	Maximum Continuous HP		<Takeoff> HP		Nominal Diameter inches [cm]	Blade twist limits in deg.*		Approximate weight lbs/[kg]**
		[KW]	[rpm]	[KW]	[rpm]		min.	max.	
K	180 FP	180	2700	180	2700	70.8-5.9 in.	0	50	38.6
K	180 FP	134	2700	134	2700	180 - 15	0	50	18

\*) The limits of the blade twist are defined to be between 0.2 through 1.0 blade radius.

\*\*\*) Includes spinner weight.

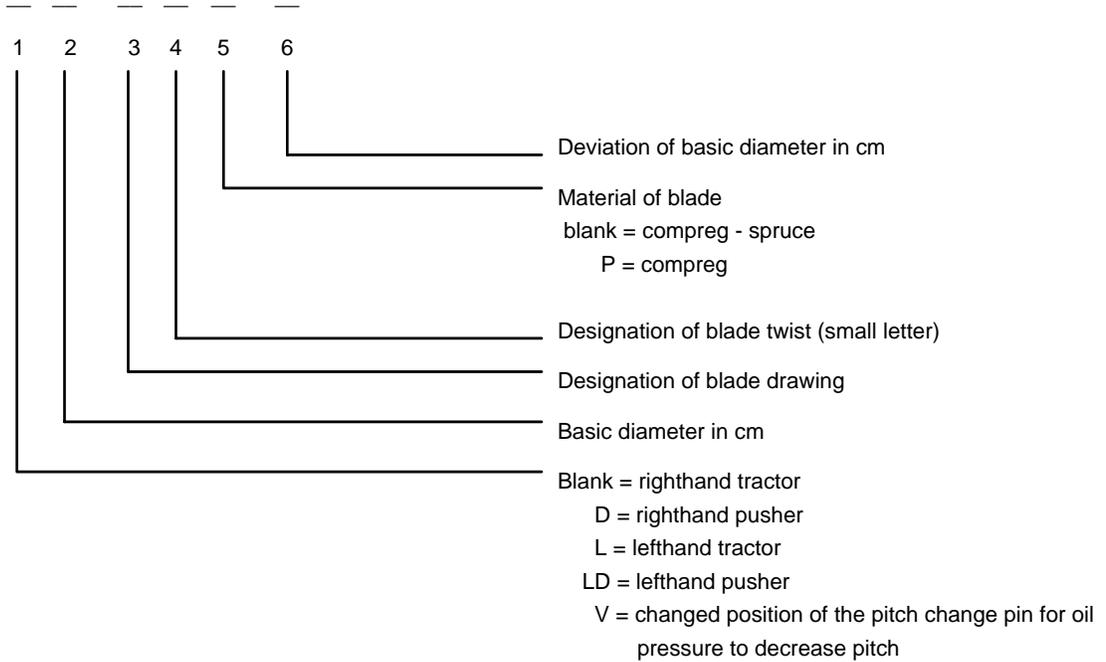
NOTE 1: HUB MODEL DESIGNATION:

HO V 34 3 K ( ) - ( ) - ( )  
 — — — — — — — —  
 1 2 3 4 5 6 7 8



NOTE 2: BLADE MODEL DESIGNATION:

( ) 180 FP ( ) - ( ) ± ( )



NOTE 3: Pitch Control. Pitch control enabled with the following governors:  
Hoffmann approved Woodward model X210-XXX or X210-XXXX w. 2.5 lb.

NOTE 4: (a) Feathering. Not applicable  
(b) Reversing. Not applicable

NOTE 5: Left-hand Models. The left-hand version of an approved model propeller is eligible at the same rating and diameter as listed for the right-hand model. See notes 1 and 2.

NOTE 6: Interchangeability. Not applicable

NOTE 7: Accessories.  
(a) Propeller spinner  
Eligible with Hoffmann type certificated spinners, Wt. 4.0 lb.

NOTE 8: Shank Fairings. Not applicable

NOTE 9: Deleted

NOTE 10: Special Notes. The word "eligible" as used herein does not signify full installation approval. Compliance with the applicable engine and aircraft FAR requirements is necessary before full approval for use on aircraft can be given.

NOTE 11: Service Information. Each of the documents listed below must state that it is approved by the European Aviation Safety Agency (EASA) or – for approvals made before September 28, 2003 – by the LBA. Any such documents are accepted by the FAA and are considered FAA approved.

- Service bulletins,
- Structural repair manuals,
- Vendor manuals,
- Aircraft flight manuals, and
- Overhaul and maintenance manuals.

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