U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION TYPE CERTIFICATE DATA SHEET P28BO	TCDS NUMBER: P28BO REVISION: 1 MT PROPELLER COMPANY MODEL: MTV-11-( ) DATE: APRIL 24, 2008

Propellers of models described herein confirming with this data sheet (which is part of this Type Certificate No. P28BO) and other approved data on file with the Federal Aviation Administration, meet the minimum standards for use in certified 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 approved manufacturer's manual and other approved instructions.

TYPE CERTIFICATE HOLDER — MT-Propeller Entwicklung GmbH
Flugplatzstrasse 1
D-94348 Atting
Germany

TYPE — Hydraulic constant speed (See Notes 3 & 4)

ENGINE SHAFT — See Note 1 of this TCDS

HUB MATERIAL — Aluminum alloy

BLADE MATERIAL — Laminated wood composite structure, epoxy-fiber glass cover, with leading edge and erosion protection

HUBS: — See Note 1 of this TCDS

NUMBER OF BLADES — 2 (two)

DESIGN SERIES — MTV-11-C, -D, -F

HUB-TYPE MTV-11 See Note 1	BLADES See Notes 2 & 6	MAXIMUM CONTINUOUS		<TAKE OFF>		NOMINAL DIAMETER Max		Min		BLADE TWIST *)		APPROXI-MATE WEIGHT	
		HP(kW)	RPM	HP(kW)	RPM	inch	(cm)	inch	(cm)	Min	Max	lbs.	(kg)
	-17	161 (120)	2700	161 (120)	2700	74.8	190	60	152	5 5	50 50	35	(16)
	-24	161 (120)	2700	161 (120)	2700	74.8	190	60	152	5 5	50 50	35	(16)
	-30	161 (120)	2700	161 (120)	2700	74.8	190	60	152	5 5	50 50	35	(16)
	-32	161 (120)	2700	161 (120)	2700	74.8	190	60	152	5 5	50 50	35	(16)
	-36	161 (120)	2700	161 (120)	2700	74.8	190	60	152	5 5	50 50	35	(16)
	-39	161 (120)	2700	161 (120)	2700	74.8	190	60	152	5 5	50 50	35	(16)
	-40	161 (120)	2700	161 (120)	2700	74.8	190	60	152	5 5	50 50	35	(16)
	-53	161 (120)	2700	161 (120)	2700	74.8	190	60	152	5 5	50 50	35	(16)
	-56	161 (120)	2700	161 (120)	2700	74.8	190	60	152	5 5	50 50	35	(16)
	-57	161 (120)	2700	161 (120)	2700	74.8	190	60	152	5 5	50 50	35	(16)
	-59	161 (120)	2700	161 (120)	2700	74.8	190	60	152	5 5	50 50	35	(16)

*) The limits of the blade twist are defined between .20 and 1.00 blade radius

HUB-TYPE MTV-18 See Note 1	BLADES See Notes 2 & 6	MAXIMUM CONTINUOUS		<TAKE OFF>		NOMINAL DIAMETER Max		Min		BLADE TWIST *)		APPROXI-MATE WEIGHT	
		HP(kW)	RPM	HP(kW)	RPM	inch	(cm)	inch	(cm)	Min	Max	lbs.	(kg)
	-100	161 (120)	2700	161 (120)	2700	74.8	190	60	152	5 5	50 50	35	(16)
	-101	161 (120)	2700	161 (120)	2700	74.8	190	60	152	5 5	50 50	35	(16)
	-105	161 (120)	2700	161 (120)	2700	74.8	190	60	152	5 5	50 50	35	(16)
	-113	161 (120)	2700	161 (120)	2700	74.8	190	60	152	5 5	50 50	35	(16)
	-114	161 (120)	2700	161 (120)	2700	74.8	190	60	152	5 5	50 50	35	(16)
	-115	161 (120)	2700	161 (120)	2700	74.8	190	60	152	5 5	50 50	35	(16)
	-117	161 (120)	2700	161 (120)	2700	74.8	190	60	152	5 5	50 50	35	(16)
	-118	161 (120)	2700	161 (120)	2700	74.8	190	60	152	5 5	50 50	35	(16)
	-119	161 (120)	2700	161 (120)	2700	74.8	190	60	152	5 5	50 50	35	(16)
	-301	161 (120)	2700	161 (120)	2700	74.8	190	60	152	5 5	50 50	35	(16)

*) The limits of the blade twist are defined between .20 and 1.00 blade radius

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 35-7, inclusive.

European Aviation Safety Agency (EASA) type certificated this propeller under type certificate EASA P.007. The FAA validated this product under U.S. Type Certificate Number P25NE. 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.

P28BO

TC APPLICATION DATE:

May 23, 2006

TC ISSUED

November 1, 2006, revised April 24, 2008

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 or certifying statement endorsed by the exporting cognizant civil airworthiness authority which contains the following language:

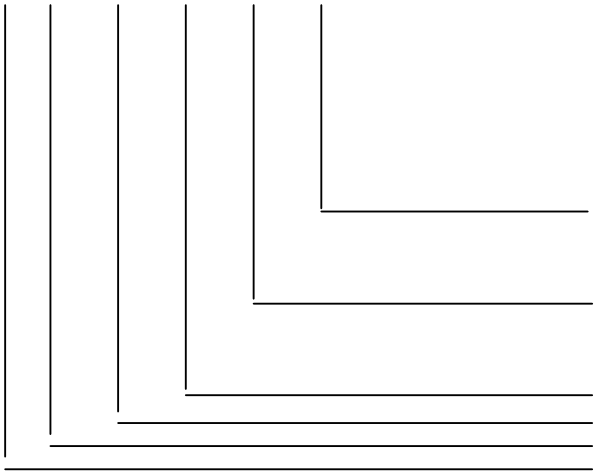
(1) This propeller conforms to its United States type design (Type Certificate Number P28BO) and is in a condition for safe operation.

(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 engines or propellers manufactured outside the U.S. for which a U.S. type certificate has been issued. Additional guidance is contained in FAA Circular 21-23, Airworthiness Certification of Civil Aircraft, Engines, Propellers, and Related Products, Imported into the United States.

NOTES

NOTE 1: HUB MODEL DESIGNATION:

MT V - 11 - B - ( ) ( )

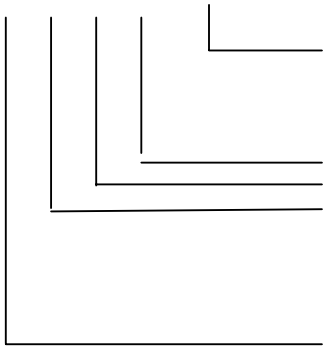


- Small letter: modifications which do not affect interchangeability
  Capital letter: modifications which restrict or exclude interchangeability
- Blank = No or small counterweights for oil pressure to increase pitch
  C: Counterweights for oil pressure to decrease pitch
- Flange Type *
- Number of basic model
- Variable pitch propeller
- MT-Propeller Entwicklung GmbH

* Flange
C = AS-127-D, SAE No. 2 mod., 7/16” mounting bolts
D = ARP 502
F = AS-127-D, SAE No. 2 mod., 3/8” mounting bolts

NOTE 2: BLADE MODEL DESIGNATION:

( ) ( ) 183 - 59 ( )



- Small letter: modifications which do not affect interchangeability of blade sets
  Capital letter: modifications which restrict or exclude interchangeability of blade sets
- Number of blade design, contains construction and aerodynamic data
- Propeller diameter in cm
- Sense of rotation (viewed in flight direction)
  - Blank: right-hand tractor
  - RD: right-hand pusher
  - L: left-hand tractor
  - LD: left-hand pusher
- Position of pitch change pin
  Blank: Position for pitch change forces to decrease pitch
  C: Position for pitch change forces to increase pitch

NOTES CONTINUED

NOTE 3: Pitch Control: Pitch control is accomplished by a standard governor or by the MT-Propeller Hydraulic Propeller Governor Installation P-4( )( )-( ) or P-8( )( )-( ).
Applicable standard governors are published in the FAA-approved list MT-Propeller Service Bulletin No. 14( ). Time Between Overhauls (TBO) for P-4( )( )-( ) or P-8( )( )-( ) governor is published in the MT-Propeller Service Bulletin No. 1( ).

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

NOTE 5: Right & left hand Models: A version of the approved model with opposite hand rotation is approved at the same rating and diameter limitations

NOTE 6: Interchangeability: Not applicable

NOTE 7: Accessories: (a) Propeller Spinners: According to FAA-approved list published in MT-Propeller Service Bulletin No. 13
(b) Propeller Governors: According to FAA-approved list published in MT-Propeller Service Bulletin No. 14
(c) Deicing Systems: According to FAA-approved list published in MT-Propeller Service Bulletin No. 15.

NOTE 8: Shank fairings: Not applicable

NOTE 9: Special limits: Not applicable

NOTE 10: Special notes: (a) Aircraft installations must be approved as part of the aircraft type certificate and demonstrate compliance with the applicable aircraft airworthiness requirements.
(b) All MTV-11 propellers must be operated within the limits of MT-Propeller Operation and Installation Manual No. ATA 61-01-24 (E-124) for hydraulic constant speed propellers, and adhere to the TBO-limits shown in Service Bulletin No. 1( ).
(c) Propeller Maintenance, or overhaul, and airworthiness limitations shall be accomplished in accordance with MT-Propeller Overhaul Manual No. ATA 61-12-20 (E-220) for hydraulic constant speed propellers, latest revision.

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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