Subject: Propeller Designation System

Propellers Affected: All MT- Fixed Pitch Propellers and MT - Variable Pitch Propellers and Blades

Condition: This Information provides a summary of the actual Propeller designation system of MT-Propellers

1. Starrpropeller / Fixed Pitch Propeller

   MT 150 L 90 - 1 A ()
   1 2 3 4 5 6 7

1: Manufacturer MT-Propeller Entwicklung GmbH
2: Diameter in cm
3: Sense of Rotation:
   R = Right Hand Tractor
   RD = Right Hand Pusher
   L = Left Hand Tractor
   LD = Left Hand Pusher

4: Pitch in cm at 0,75 blade radius
5: Load limit class
6: Hub Drilling for Installation according to Manufacturer's List
7: Minor Deviations from item 6

   Serial-Number: 00 XXX
   1 2
   1 = Year of manufacture
   2 = Consecutive Number

Clearance MPI
Date: March 21, 2010

Edition
Date: March 21, 2010
Load Limit Class Fixed Pitch Propellers:

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2. Verstellpropeller /Variable Pitch Propellers

2.1 Entire Model Designation

The entire propeller designation consists of hub and blade designations.

Example: MTV-27-1-E-C-F-R(P) / CFR 200-15b

H U B

B L A D E

Clearance MPL

Date: March 21, 2010

Edition

Date: March 21, 2010
2.2 Model Designation of Hub:

MT V - 27 - 1 - E - C - () - () - () - ()

1: MT-Propeller (Manufacturer)
2: Variable Pitch Propeller
3: Consecutive Number of Basic Type
4: Consecutive Number of Series (1 = applicable for MTV-5, MTV-16, MTV-25, MTV-27)
5: Code for Propeller Flange
   A = Motorglider engines bolt 7/16" - 20 UNF, circle dia 80 mm
   B = SAE No. 2 mod. bolts 1/2"- 20 UNF
   C = SAE No. 2 mod. bolts 7/16"- 20 UNF
   D = ARP 502
   E = ARP 880
   F = SAE No. 1 bolts 3/8" - 24 UNF
   G = Special Flange for LOM; circle dia 120 mm
   H = BCD 5.125 inches, twelve 9/16"-18 UNF bolts, 2 index pins
   I = Special flange for CargoLifter; 9/16" UNF bolts
   J = Special Flange for BD-5, circle dia 76.2 mm.
   K = Special Flange for M14 engine; 9/16" - 18 UNF
   L = Special flange for spline shaft;
   M = Special flange for Grob G103; bolt circle 115 mm
   N = BCD 5.125 inches, twelve 9/16"-18 UNF bolts, 2 index pin
   P = Special flange for Rotax 912/914; ½"-20 UNF
   R = Special flange for Austro Diesels; ½"-20 UNF

6: Letter Designation Counterweights:
   C = Counterweights mounted for pitch change moments towards high pitch/feathering

7: F = Feathering System installed

8: R = Reversing System installed

9: (A) = Reverse System Allison 250 B17-( )
   (F) = Reverse System Pratt and Whitney PT6A-( )
   (G) = Reverse System Garrett TPE-331-( )
   (W) = Reverse System Walter M 601-Series

10: Capital Letter: Modifications, restricting or excluding interchangeability
    Small Letter: Modifications not affecting interchangeability
2.3 MODEL DESIGNATION OF BLADE:

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1: Position of Actuation Pin:
- C = pitch change pin for pitching moment towards high pitch
- CF = pitch change pin for feathering, pitching moment towards high pitch
- CR = pitch change pin for reversing, pitching moment towards high pitch
- CFR = pitch change pin for feathering, reversing, pitching moments towards high pitch

2: Sense of Rotation:
- blank = right hand tractor
- RD = right hand pusher
- L = left hand tractor
- LD = left hand pusher

3: Diameter in cm

4: Consecutive Number of Basic Type (including Aerodynamic Design)

5: Capital letter: Modifications, restricting or excluding interchangeability of blade sets.
   Small letter: Modifications not affecting interchangeability of blade sets.

2.4 ADDITIONAL INFORMATION HUB AND BLADE DESIGNATION OF PROPELLER

The serial number of the hub is the serial number of the complete propeller assembly.

Model designation and serial number of the hub have been stamped into the hub body.

The complete propeller designation (hub and blade), the serial number of the hub, data sheet number as well as date of manufacture or latest overhaul are indicated on the nameplate being bonded onto blade 1.
2.5 CODE OF SERIAL NUMBER OF HUB

Example: 10 0017

Consecutive Number
Year of Manufacture

Note:
Any propeller documentation has been listed and kept under the serial number of the hub.

2.6 CODE OF SERIAL NUMBER OF BLADE

Example C B - 157

Consecutive number
Month of Manufacture (A = January, B = February etc.)
Year of Manufacture (A = 1983, B = 1984, etc, AB = 2010)

The serial number of the blade has been stamped into the corresponding blade ferrule (top view blade root).