

## PRODUCT INFORMATION



**HOFFMANN  
PROPELLER**



# HO-V352

**HYDRAULICALLY  
CONTROLLED**

**SAFETY, PERFORMANCE, AFFORDABILITY AND SERVICE**

# HO-V352

## Hydraulically controlled

Developed for small sports aircraft with Rotax engines, our HO-V352 has proven itself in many applications.

The 2-blade propeller is manufactured with a hub made of forged aluminum and blades made of wood composite and GRP or carbon fibre sheathing.

The leading edges of the blades are optionally reinforced with aluminium or PU.

To keep the selected speed constant, an oil pressure regulator acts on the propeller piston to increase the pitch.

If the oil pressure is reduced, the blades automatically move in the "small pitch" direction. In the event of a loss of oil pressure, the propeller remains in the "start position" and the speed can be adjusted using the throttle lever. Similar to a fixed pitch propeller.

Variants of the propeller are available with a mechanically adjustable sail position, whereby the engine must be switched off but may also rotate.

### TECHNICAL DATA

$P_{max}$	90 KW
$n_{max}$	2700 1/min
Number of blades:	2
Diameter max:	71 inch
Pitch change range:	about 75 deg
Weight:	About 22 lbs
Polar moment of inertia:	About 1700 lbs in <sup>2</sup>
Governor:	Woodward 210xxx Serie, McCauley, Hartzell, Jihostroj

For special applications, a system with oil pressure is used to reduce the pitch. In this case, centrifugal weights are employed to increase the pitch. If oil pressure is lost, the propeller blades automatically move to the "high pitch" or "sail position" stop.

Proven applications include:

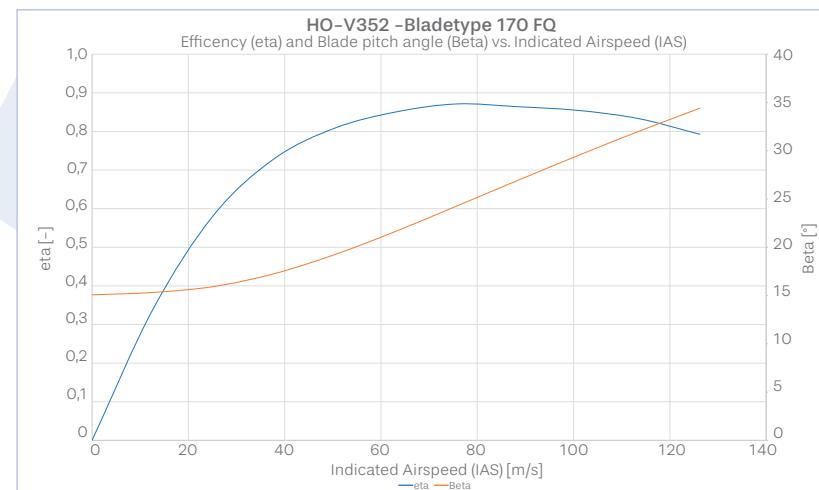
- Katana DA / DV20, HO-V352F / (C) 170 FQ
- Cessna 150 Rotax, HO-V352F / (C) 170 FQ +10
- Grob G109, HO-V352F-S / CS 170 FQ
- Samburo, HO-V352F-S1-S / CS 170 FQ +10

Further applications with Rotax engines 912 A3/F3, 912 S3, 914 F3/S3, 914 UL have already been realized. The data listed are guide values!

The binding values for the propeller can be found in the LBA data sheet 32.130/88.

Further authorizations:

- FAA-TP5BO
- TC-P-8
- DGAC-H-IM 4
- RCAA-EL-04/1996
- ANAC-HL 1501
- AVIA – TG0027



# Hoffmann Propeller

right in front  
of the aircraft



**HOFFMANN  
PROPELLER**

Solutions for General Aviation Hovercraft, Vintage Aircraft, UAV,  
Aerobatic, Wind Tunnel & various other applications

Manufacture, maintenance and service of fixed, adjustable and  
variable pitch propellers made of wood

Sales, Maintenance, and Service for Leading Propeller and Governor  
Manufacturers (such as Hartzell, McCauley, Woodward, and others)

Since 1955 Experience in propeller development and propeller  
overhaul

EASA and FAA approved shop

**HOFFMANN PROPELLER GmbH & Co. KG**  
Küpfertlingstr. 9  
D 83022 Rosenheim  
T +49(0) 8031-1878-0  
Info@hoffmann-prop.com  
www.hoffmann-prop.com



INSTAGRAM



WEBSITE