



**TYPE CERTIFICATE DATA SHEET Nº EH-2012T04-00**

Type Certificate Holder:

**BINDER MOTORENBAU GmbH**  
Alter Frickenhäuser WEG 15  
97645 Ostheim v.d. Rhön  
**GERMANY**

EH-2012T04-00

Sheet 01

BINDER

BM-G1

29 February 2012

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Propellers of models described herein conforming with this data sheet, which is part of Type Certificate No. 2012T04, meet the minimum standards for use in certificated aircraft in accordance with pertinent aircraft data sheets and applicable portions of the Brazilian Aeronautical Regulations provided they are installed, operated, and maintained as prescribed by the approved manufacturer's manuals and other instructions.

<b>TYPE</b>	Fixed Pitch
<b>ENGINE SHAFT</b>	Hub drilling according to the drawing BM-P001
<b>HUB MATERIAL</b>	Plywood (Diameter 120mm, Width 28mm)
<b>BLADE MATERIAL</b>	Composite Material
<b>NUMBER OF BLADES</b>	2 (Two)
<b>HUB ELIGIBLE</b>	Not Applicable (one-piece propeller)

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Blade Eligible	Max. Continuous Power hp (rpm)	Take off power hp (rpm)	Maximum Diameter m (in)	Blade Pitch (75% radius station)		Approx. Max. Weight Kg (lb)
				Min. m (in)	Max. m (in)	
BM-G1	74.8 (2 400)	74.8 (2 400)	1.6 (62.7) 1.4 (55.1)	0.9 (35.4)	1.3 (51.2)	3.0 (6.6)

**CERTIFICATION BASIS** Brazilian Type Certificate N° 2012T04 based on the Brazilian Requirements for Aeronautical Certification RBHA 22, which endorses the Certification Standard - CS22, Subpart J, Initial Issue.

<b>TYPE CERTIFICATION</b>	<u>Model</u> BM-G1	<u>Application</u> 14 October 2011	<u>Issued TC</u> 29 February 2012
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**PRODUCTION BASIS** Not Applicable.

**IMPORT REQUIREMENTS** Each propeller imported separately and/or spare parts must be accompanied by an Airworthiness Certificate for Export and/or an Airworthiness Approval Tag, respectively, issued by EASA, attesting that the particular propeller and/or parts were submitted to the governmental quality control before delivery and are in conformity with the ANAC approved type design.

**NOTES**

**NOTE 1** The complete propeller designation system:

Propeller Model Designation - BM - ( i ) - ( ii ) - ( iii ) - ( iv ) - ( v ) - ( vi ) - ( vii ), where:

BM	Binder Motorenbau GmbH
( i )	Material:
	G ( ) - Glass Fiber, ( ) - variant designation number
	C ( ) - Carbon Fiber, ( ) - variant designation number
( ii )	Propeller diameter in mm
( iii )	Sense of rotation (flight direction):
	R - Right
	L - Left
( iv )	Blade pitch at 75% radius
( v )	Loadclass
( vi )	Small deviations of hub

**NOTE 2** Pitch control:  
Not applicable. Fixed pitch propeller.

**NOTE 3** Feathering and Reversing:  
Not applicable. Fixed pitch propeller.

**NOTE 4** Left-hand model:  
Left-hand model is certified for the same operational conditions and diameters as for the right-hand model.

**NOTE 5** Interchangeable blades:  
Not applicable. One-piece propeller.

**NOTE 6** Accessories:  
a) No propeller governor. Fixed Pitch.  
b) No propeller de-icing.  
c) No propeller spinner.

**NOTE 7** Shrank Fairings.  
Aerodynamic cover of the blade root: Not Applicable.

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**NOTE 8** Special Limits:

Suitability of the propeller for a given aircraft/engine-combination must be demonstrated within the scope of the type certification of the aircraft.

**NOTE 9** Operation and Service Instructions:

a) Life limit: 400 hours.

b) Time Between Overhauls (TBOs): 200 hours.

c) Instructions for continued airworthiness: Operation- and Maintenance manual for fixed pitch propeller in Glas or Carbon reinforced Plastic type BM, last revision.

**NOTE 10** Special Notes:

a) The propeller installation must be approved as part of the aircraft Type Certificate to demonstrate compliance with the applicable aircraft airworthiness standards.

b) BM propeller variant G1 is certified for use in powered sailplanes only.



**HÉLIO TARQUÍNIO JÚNIOR**

**Gerente Geral de Certificação de Produtos Aeronáuticos  
(Manager, Aeronautical Products Certification Branch)**

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