

**DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION**

P58GL
Revision 12
McCauley
B3D32C(4--)
B3D34C(4--)
B3D36C(4--)
C3D36C(4--)
April 21, 2011

TYPE CERTIFICATE DATA SHEET NO. P58GL

Propellers of models described herein conforming with this data sheet, which is part of Type Certificate No. P58GL and other approved data on file with the Federal Aviation Administration, meet the minimum standards for use in certificated aircraft in accordance with the 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 manuals and other approved instructions.

Type Certificate Holder: McCauley Propeller Systems
7731 E. Pawnee
Wichita, KS 67207

Type Constant speed, hydraulic (see Note 3)
Engine Shaft S.A.E. No. 2 flange modified (six 1/2" mounting bolts)
Hub Material Aluminum Alloy
Blade Material Aluminum Alloy
No. of Blades Three
Hubs Eligible B3D34C405, B3D32C407, B3D32C412, B3D34C413, B3D32C414,
C3D36C415, B3D36C416, B3D32C417, B3D32C419, B3D36C424,
B3D36C427, B3D36C428, B3D36C429, B3D36C431, B3D36C432,
B3D36C433, B3D36C442

Blades Eligible (See NOTE 2)	Maximum <u>Continuous</u>		<u>Take-Off</u>		Diameter Limits (See NOTE 2)	Approx. Max. Weight Complete (Max. Dia.)
	HP	RPM	HP	RPM		
<u>Hub Model B3D34C405</u>						
90DF[X]-4 to 90DF[X]-16	285	2700	285	2700	86" - 74" (-4 to -16)	71.5 Lbs.
<u>Hub Model B3D32C407</u>						
82ND[X]-2 to 82ND[X]-8	260	2600	260	2600	80" - 74" (-2 to -8)	66.5 Lbs.

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Blades Eligible (See NOTE 2)	Maximum <u>Continuous</u>		<u>Take-Off</u>		Diameter Limits (See NOTE 2)	Approx. Max. Weight Complete (Max. Dia.)
	HP	RPM	HP	RPM		
<u>Hub Model B3D32C412</u>						
82ND[X]-2 to 82ND[X]-8	260	2700	260	2700	80" - 74" (-2 to -8)	65 Lbs.
<u>Hub Model B3D34C413</u>						
90DF[X]-0 to 90DF[X]-10	260	2600	260	2600	90" - 80" (-0 to -10)	76 Lbs.
<u>Hub Model B3D32C414</u>						
82ND[X]-2 to 82ND[X]-10	260	2700	260	2700	80" - 74" (-2 to -10)	73 Lbs.
<u>Hub Models C3D36C415 and B3D36C416</u>						
82NG[X]-2 to 82NG[X]-10	260	2700	260	2700	80" - 72" (-2 to -10)	73 Lbs.
<u>Hub Model B3D32C417</u>						
82NR[X]-2 to 82NR[X]-9	270	2575	270	2575	80" - 73" (-2 to -9)	66.5 Lbs.
<u>Hub Model B3D32C419</u>						
82NH[X]-0 to 82NH[X]-9	285	2700	285	2700	82" - 73" (-0 to -9)	66.5 Lbs.
<u>Hub Model B3D36C424</u>						
74S[X]-0 to 74S[X]-6	260	2700	260	2700	74" - 68" (-0 to -6)	69.0 Lbs.
<u>Hub Model B3D36C427</u>						
82NG[X]-2 to 82NG[X]-10	300	2700	300	2700	80" - 72" (-2 to -10)	73.0 Lbs.
<u>Hub Model B3D36C428 and B3D36C429</u>						
82NP[X]-0 to 82NP[X]-10	260	2700	260	2700	82" - 72" (-0 to -10)	* 69.0 Lbs. ** 73.0 Lbs.
* C428						
** C429						

Blades Eligible (See NOTE 2)	Maximum <u>Continuous</u> HP RPM	<u>Take-Off</u> HP RPM	Diameter Limits (See NOTE 2)	Approx. Max. Weight Complete (Max. Dia.)
<u>Hub Model B3D36C431</u>				
80VS[X]-0 to 80VS[X]-8	325 2700	325 2850	80" - 72" (-0 to -8)	76.0 Lbs.
<u>Hub Model B3D36C432</u>				
80VS[X]-0 to 80VS[X]-8	325 2700	325 2850	80" - 72" (-0 to -8)	76.0 Lbs.
<u>Hub Model B3D36C433</u>				
80VS[X]-0 to 80VS[X]-8	325 2700	325 2850	80" - 72" (-0 to -8)	73.0 Lbs.
<u>Hub Model B3D36C442</u>				
80VS[X]-0 to 80VS[X]-8	325 2700	325 2850	80" - 72" (-0 to -8)	76.0 Lbs.

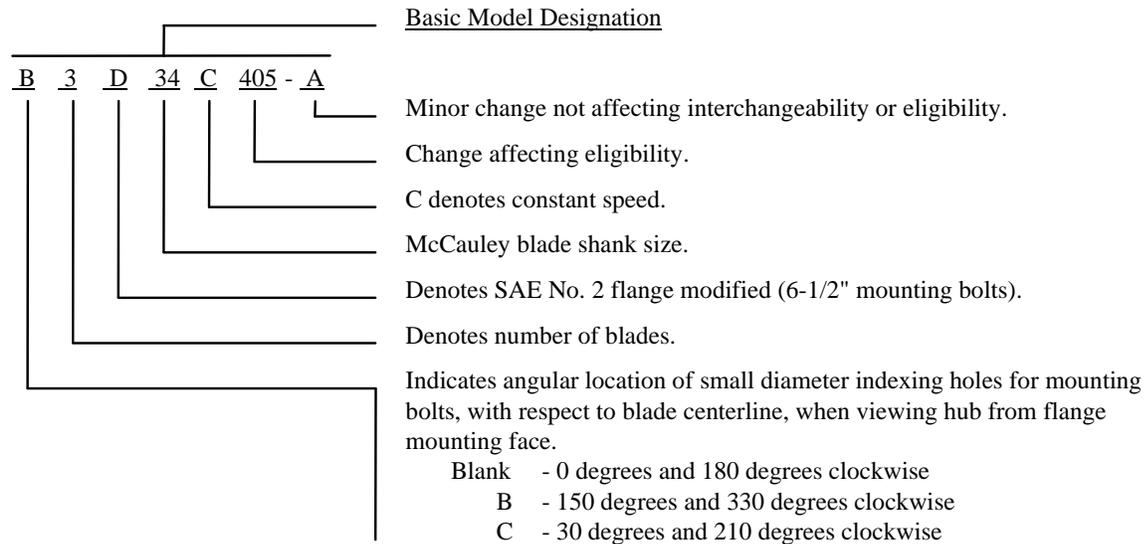
Certification Basis:

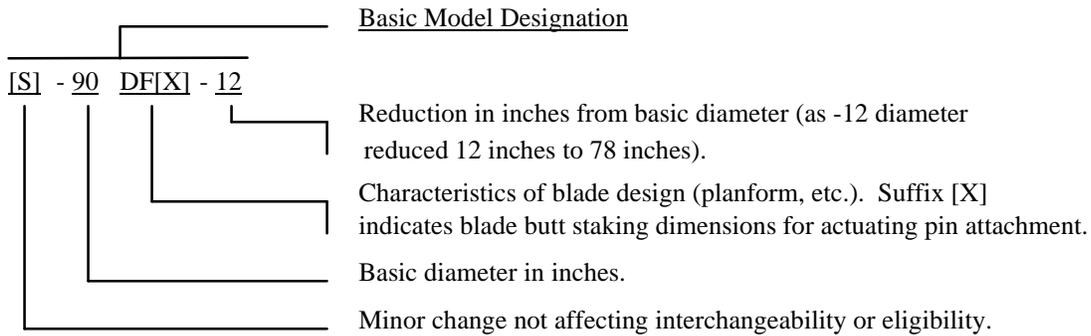
<u>Propeller</u>	<u>Certification Basis</u>	<u>Method of Approval</u>	<u>Application Date</u>	<u>Approval Date</u>
B3D34C405	14 CFR Part 35, Amdt 35-1 to 35-4 (May 2, 1977)	DOA under 14 CFR Part 21, Subpart J	November 17, 1978	January 10, 1979
B3D32C407	14 CFR Part 35, Amdt 35-1 to 35-4 (May 2, 1977)	DOA under 14 CFR Part 21, Subpart J	July 31, 1980	July 31, 1980
B3D32C412	14 CFR Part 35, Amdt 35-1 to 35-5 (October 14, 1980)	DOA under 14 CFR Part 21, Subpart J	May 3, 1985	May 3, 1985
B3D34C413	14 CFR Part 35, Amdt 35-1 to 35-5 (October 14, 1980)	DOA under 14 CFR Part 21, Subpart J	December 20, 1984	December 20, 1984
B3D32C414	14 CFR Part 35, Amdt 35-1 to 35-5 (October 14, 1980)	DOA under 14 CFR Part 21, Subpart J	June 30, 1988	June 30, 1988
C3D36C415	14 CFR Part 35, Amdt 35-1 to 35-5 (October 14, 1980)	DOA under 14 CFR Part 21, Subpart J	September 30, 1986	September 30, 1986
B3D36C416	14 CFR Part 35, Amdt 35-1 to 35-5 (October 14, 1980)	DOA under 14 CFR Part 21, Subpart J	June 30, 1988	June 30, 1998
B3D32C417	14 CFR Part 35, Amdt 35-1 to 35-5 (October 14, 1980)	DOA under 14 CFR Part 21, Subpart J	December 13, 1988	December 13, 1988
B3D32C419	14 CFR Part 35, Amdt 35-1 to 35-5 (October 14, 1980)	DOA under 14 CFR Part 21, Subpart J	June 12, 1989	June 12, 1989

<u>Propeller</u>	<u>Certification Basis</u>	<u>Method of Approval</u>	<u>Application Date</u>	<u>Approval Date</u>
B3D36C424	14 CFR Part 35, Amdt 35-1 to 35-6 (August 18, 1990)	DOA under 14 CFR Part 21, Subpart J	October 13, 1992	October 13, 1992
B3D36C427	14 CFR Part 35, Amdt 35-1 to 35-6 (August 18, 1990)	DOA under 14 CFR Part 21, Subpart J	September 13, 1995	September 13, 1995
B3D36C428	14 CFR Part 35, Amdt 35-1 to 35-6 (August 18, 1990)	DOA under 14 CFR Part 21, Subpart J	November 10, 1995	November 10, 1995
B3D36C429	14 CFR Part 35, Amdt 35-1 to 35-6 (August 18, 1990)	DOA under 14 CFR Part 21, Subpart J	November 10, 1995	November 10, 1995
B3D36C431	14 CFR Part 35, Amdt 35-1 to 35-6 (August 18, 1990)	DOA under 14 CFR Part 21, Subpart J	February 21, 1997	February 21, 1997
B3D36C432	14 CFR Part 35, Amdt 35-1 to 35-6 (August 18, 1990)	DOA under 14 CFR Part 21, Subpart J	May 16, 1997	May 16, 1997
B3D36C433	14 CFR Part 35, Amdt 35-1 to 35-6 (August 18, 1990)	DOA under 14 CFR Part 21, Subpart J	January 29, 1997	January 29, 1997
B3D36C442	14 CFR Part 35, Amdt 35-1 to 35-6 (August 18, 1990)	DOA under 14 CFR Part 21, Subpart J	September 19, 2000	September 19, 2000

Production Basis Production Certificate No. 3

NOTE 1. Hub Model Designation.



NOTE 2. Blade Model Designation.NOTE 3. Pitch Control.

With the following governors:

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|----------------------------------|--------------------|
| (1) McCauley Model C290DX/TX | Weight 2.8 pounds. |
| (2) Edo Aire Model 34-828-XXX-XX | Weight 2.5 pounds. |
| (3) McCauley Model DC290DX/TX | Weight 2.8 pounds. |

NOTE 4. Not applicable.

NOTE 5. Not applicable.

NOTE 6. Not applicable.

NOTE 7. Accessories.

a. Propeller Spinner

- (1) Model B3D32C412/82ND[X] with McCauley spinner, reference drawing D-6012.
- (2) Model B3D32C414/82ND[X] with McCauley spinner, reference drawing D-6240.
- (3) Model C3D36C415/82NG[X] with McCauley spinner, reference drawing D-6323, D-6323-1, D-5992, D-5992-1, D-6504, or D-6614.
- (4) Model B3D36C416/82NG[X] with McCauley spinner, reference drawing D-6240.
- (5) Model B3D32C417/82NR[X] with McCauley spinner, reference drawings D-6204 or D-6204-1.
- (6) Model B3D32C419/82NH[X] with McCauley spinner, reference drawing E-6349.
- (7) Model B3D36C424/74S[X] with McCauley spinner, reference drawings D-6012 or D-6012-1, D-6504, or D-6614.
- (8) Model B3D36C427/82NG[X] with McCauley spinner, reference drawings D-6012 or D-6012-1.
- (9) Model B3D36C428/82NP[X] with McCauley spinner, reference drawing D-6614.
- (10) Model B3D36C429/82NP[X] with McCauley spinner, reference drawing D-7290.
- (11) Model B3D36C431/80VS[X] with McCauley spinner, reference drawing E-7296.
- (12) Model B3D36C433/80VS[X] with McCauley spinner, reference drawing E-7350.

(13) Model B3D36C442/80VS[X] with McCauley spinner, reference drawing E-7296.

NOTE 8. Not applicable.

NOTE 9. Not applicable.

NOTE 10. Special Notes. Aircraft installation must be approved as part of the aircraft type certificate upon compliance with the applicable aircraft airworthiness requirements.

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