

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

P47GL
Revision 9
McCauley
3A32C(4--)
D3A32C(4--)
3A34C(4--)
D3A34C(4--)
3A36C(4--)
D3A36C(4--)
December 17, 2001

TYPE CERTIFICATE DATA SHEET NO. P47GL

Propellers of models described herein conforming with this data sheet, which is part of Type Certificate No. P47GL 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 Cessna Aircraft Company 3535 McCauley Drive Vandalia, Ohio 45377-5053
Type	Constant speed, hydraulic
Engine Shaft	Special flange 4 in. B.C.
Hub Material	Aluminum Alloy
Blade Material	Aluminum Alloy
No. of Blades	Three
Hubs Eligible	D3A34C401, D3A34C402, D3A34C403, D3A34C404, 3A32C406, D3A32C408, D3A32C409, D3A36C410, D3A32C411, 3A32C418, D3A34C420, 3A34C422, 3A34C423, D3A32C425, D3A32C426, D3A36C430, 3A36C434, D3A36C435, D3A36C436

Blades Eligible (See NOTE 2)	Maximum Continuous		Take-Off		Diameter Limits (See NOTE 2)	Approx. Max. Weight Complete (For Ref. Only)
	HP	RPM	HP	RPM		
<u>Hub Models D3A34C401 and D3A34C402</u>						
90DF[X]-0 to 90DF[X]-16	325	2700	325	2850	90"-74" (-0 to -16)	67.5Lbs. *71.8Lbs.
<u>Hub Models D3A34C403 and D3A34C404</u>						
80V[X]-0 to 80V[X]-6	285	2700	300	2850	80"-74" (-0 to -6)	64.5 Lbs. **69.0 Lbs.
<u>Hub Models 3A32C406, D3A32C409, and D3A32C411</u>						
82ND[X]-2 to 82ND[X]-8	300	2700	300	2700	80"-74" (-2 to -8)	63.0 Lbs.

* Higher weight applies to D3A34C402 and 3A34C422
** Higher weight applies to D3A34C404

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Blades Eligible (See NOTE 2)	Maximum Continuous		Take-Off		Diameter Limits (See NOTE 2)	Approx. Max. Weight Complete (For Ref. Only)
	HP	RPM	HP	RPM		
<u>Hub Model D3A36C410</u>						
80VM[X]-0 to 80VM[X]-6	325	2700	325	2700	80"-74" (-0 to -6)	72.0 Lbs.
<u>Hub Model 3A32C418</u>						
82NR[X]-2 to 80NR[X]-12	280	2500	280	2500	80"-70" (-2 to -12)	67.0 Lbs.
<u>Hub Models D3A34C420, 3A34C422, and 3A34C423</u>						
90DF[X]-0 to 90DF[X]-16	325	2700	325	2700	90"-74" (-0 to -16)	67.5 Lbs. *71.8 Lbs.
<u>Hub Models D3A32C408, D3A32C425, and D3A32C426</u>						
82ND[X]-2 to 82ND[X]-8	285	2700	300	2850	80"-74" (-2 to -8)	66.0 Lbs.
<u>Hub Model 3A36C434 and D3A36C435</u>						
80VE[X]-0 to 80VE[X]-8	325	2700	325	2850	80"-72" (-0 to -8)	72.0 Lbs.
<u>Hub Model D3A36C430 and D3A36C436</u>						
74S[X]-0 to 74S[X]-10	260	2800	260	2800	74"-64" (-0 to -10)	65.5 Lbs. ***70.0 Lbs.

*** Higher weight applies to D3A36C430

Certification Basis Type Certificate No. P47GL issued June 2, 1976, under Delegation Option Authorization Provisions of Part 21, Subpart J, of the 14 Code of Federal Regulations (CFR). Date of application for Type Certificate, June 2, 1976.

Models D3A34C403, D3A34C404 and D3A32C408 type certificated under Delegation Option Authorization Provisions of 14 CFR Part 21 & 35 including Amendments 35-1 thru 35-4 (May 2, 1977) thereto.

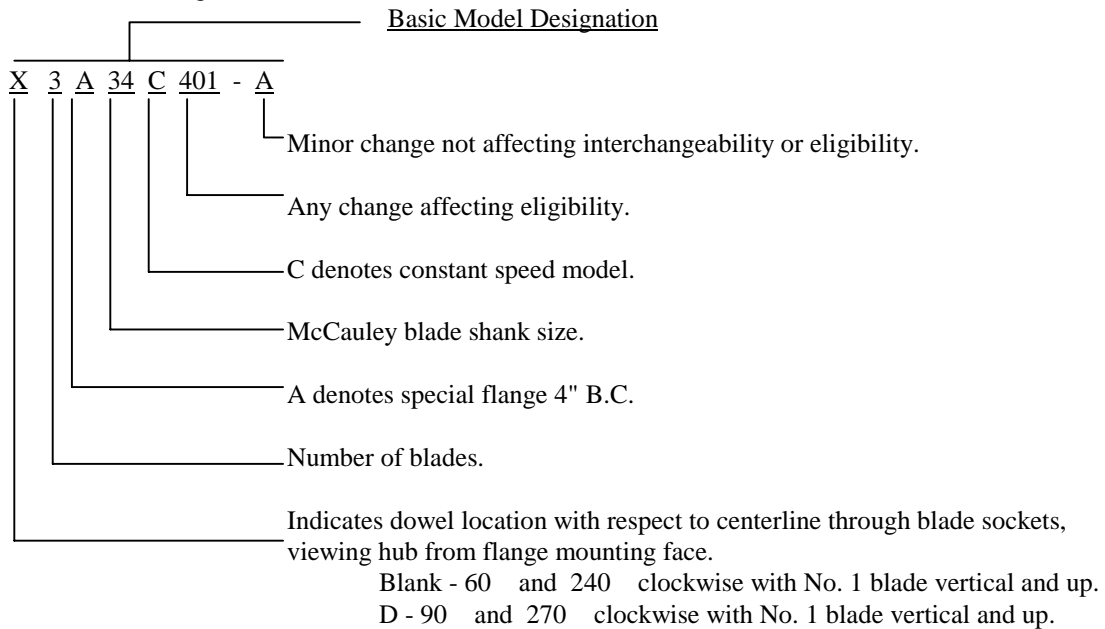
Models 3A32C406, D3A32C409, D3A36C410, D3A32C411 and D3A34C420 type certificated under Delegation Option Authorization Provisions of 14 CFR Part 21 & 35 including Amendments 35-1 thru 35-5 (October 14, 1980) thereto.

Models D3A34C401 and D3A34C402 type certificated under Delegation Option Authorization Provisions of 14 CFR Part 21 & 35 including Amendments 35-1 and 35-6 (August 18, 1990) thereto.

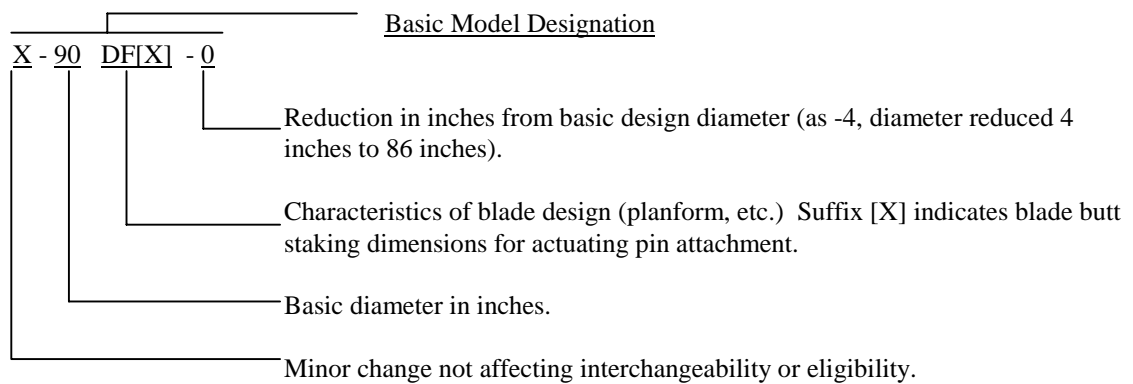
Models 3A32C418, 3A34C422, 3A34C423, D3A32C425, D3A32C426, D3A36C430, 3A36C434, D3A36C435 and D3A36C436 type certificated under Delegation Option Authorization Provisions of 14 CFR Part 21 & 35 including Amendments 35-1 thru 35-6 (August 18, 1990) thereto.

Production Basis Production Certificate No. 3

NOTE 1. Hub Model Designation



NOTE 2. Blade Model Designation.



NOTE 3. Pitch Control. With McCauley governor Model C290D[X]/T[X] Wt. 2.8 lbs.

NOTE 4. Not applicable.

NOTE 5. Not applicable.

NOTE 6. Not applicable.

NOTE 7. Accessories.

(a) Propeller deicing

- (1) Model 90DF[X] blades with Safeway 6199 Deicer installed per Cessna Installation Drawing 1201072 or 1201188.
- (2) Model 82NR[X] blades installed per McCauley Installation Drawing E-40623

(b) Spinners

- (1) Model D3A34C402/90DF[X] with plain or electric deicer spinner: Reference 1250419-10/-15 Dome, 1250414-6/-8 Bulkhead, and 1250419-9/-14 Installation.
- (2) Model 3A34C422/90DF[X] with McCauley spinner installation D-6204-[X].
- (3) Model 3A34C423/90DF[X] with McCauley spinner installation D-3584 or D5541.
- (4) Model 3A32C418/82NR[X] with McCauley spinner installation D-7192.
- (5) Model D3A36C430/74S[X] with McCauley spinner installation D-7365.
- (6) Model 3A36C434/80VE[X] with McCauley spinner installations D-3600 or D-7062.
- (7) Model D3A36C435/80VE[X] with McCauley spinner installation D-7510 or D-7515.
- (8) Model D3A36C436/74S[X] with McCauley spinner installation D-7526.

NOTE 8. Not applicable.

NOTE 9.

Table of Propeller-Engine Combinations
Approved Vibrationwise for Use on Normal Category Single-Engine Tractor Aircraft

The maximum and minimum propeller diameters that can be used from a vibration standpoint are shown below. No reduction below the minimum diameter listed is permissible since this figure includes the diameter reduction allowable for repair purposes.

Hub Model	Blade Model	Engine Model	Crankshaft Damper Configuration	Max. Dia. (Inches)	Min. Dia. (Inches)	Placards
D3A34C401 D3A34C402	90DFA	Continental TSI0-520 series (up to 310 hp & 2700 propeller rpm rating at takeoff and 285 hp & 2600 propeller rpm max. continuous).	Two 6th order, One 5th order, and One 4th order	80	78	Avoid continuous operation between 1850 and 2150 propeller rpm for power settings above 24" manifold pressure.
D3A34C401 D3A34C402	90DFA	Continental TSI0-520 series (up to 310 hp & 2700 propeller rpm rating at takeoff and 285 hp & 2600 propeller rpm at max. continuous).	Two 6th order, One 5th order, and One 4th order	78	76	Avoid continuous operation between 1850 and 2200 propeller rpm for power settings above 24" manifold pressure.

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

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