

Hubs Eligible	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		
D3A36C430	74S[X]-0 to -10	260	2800	260	2800	74"-64" (-0 to -10)	70.0 Lbs.
3A36C434	80VE[X]-0 to -8	325	2700	325	2850	80"-72" (-0 to -8)	72.0 Lbs.
D3A36C435	80VE[X]-0 to -8	325	2700	325	2850	80"-72" (-0 to -8)	72.0 Lbs.
D3A36C436	74S[X]-0 to -10	260	2800	260	2800	74"-64" (-0 to -10)	65.5 Lbs.
D3A34C443	78CY[X]-0 to -4	325	2700	325	2850	78"-74" (-0 to -4)	69.7 Lbs.
D3A34C444	78ML[X]-0 to -4	325	2700	325	2850	78"-74" (-0 to -4)	72.0 Lbs.
D3A36C445	80MR[X]-0 to -4	325	2700	325	2850	80"-76" (-0 to -4)	73.6 Lbs.
D3A34C447	78ML[X]-0 to -4	325	2700	325	2850	78"-74" (-0 to -4)	73.6 Lbs.

Certification Basis NOTE: "FAR Part XX" herein is reference to Code of Federal Regulations, Title 14, part XX, section all.

Propeller	Blade	Certification Basis	Method of Approval	Approval Date
D3A34C401 (takeoff rating of 310HP/2700RPM & max cont rating of 285HP/2600RPM at 86"-74" diameter range)	90DF[X]	FAR Part 21 (amended thru 21-43) and FAR Part 35 (amended to 35-2)	Delegation Option Authorization (DOA-GL2)	June 2, 1976
D3A34C401 (takeoff & max cont rating of 325HP/2700RPM at 90"-74" diameter range)	90DF[X]	FAR Part 21 (amended thru 21-65) and FAR Part 35 (amended to 35-5)	DOA-GL2	August 15, 1990
D3A34C401 (takeoff rating of 325HP/2850RPM & max cont rating of 325HP/2700RPM at 90"-74" diameter range)	90DF[X]	FAR Part 21 (amended thru 21-71) and FAR Part 35 (amended thru 35-6)	DOA-GL2	April 19, 1995
D3A34C402 (takeoff rating of 310HP/2700RPM & max cont rating of 285HP/2600RPM at 86"-74" diameter range)	90DF[X]	FAR Part 21 (amended thru 21-43) and FAR Part 35 (amended to 35-2)	DOA-GL2	June 2, 1976
D3A34C402 (takeoff & max cont rating of 325HP/2700RPM at 90"-74" diameter range)	90DF[X]	FAR Part 21 (amended thru 21-65) and FAR Part 35 (amended to 35-5)	DOA-GL2	August 15, 1990
D3A34C402 (takeoff rating of 325HP/2850 RPM & max cont rating of 325HP/2700RPM at 90"-74" diameter range)	90DF[X]	FAR Part 21 (amended thru 21-71) and FAR Part 35 (amended thru 35-6)	DOA-GL2	April 19, 1995
D3A34C403 (takeoff rating of 300HP/2850RPM and maximum continuous rating of 285HP/2700RPM in 80"- 74" diameter range)	80VA	FAR Part 21 (amended thru 21-43) and FAR Part 35 (amended thru 35-3)	DOA-GL2	June 2, 1977
D3A34C404 (takeoff rating of 300HP/2850RPM and maximum continuous rating of 285HP/2700RPM in 80"- 74" diameter range)	80VA	FAR Part 21 (amended thru 21-43) and FAR Part 35 (amended thru 35-3)	DOA-GL2	June 2, 1977
3A32C406 (takeoff and maximum continuous rating of 300HP/2700RPM in 80" to 74" diameter range)	82NDB	FAR Part 21 (amended thru 21-50) and FAR Part 35 (amended thru 35-4)	DOA-GL2	April 14, 1981

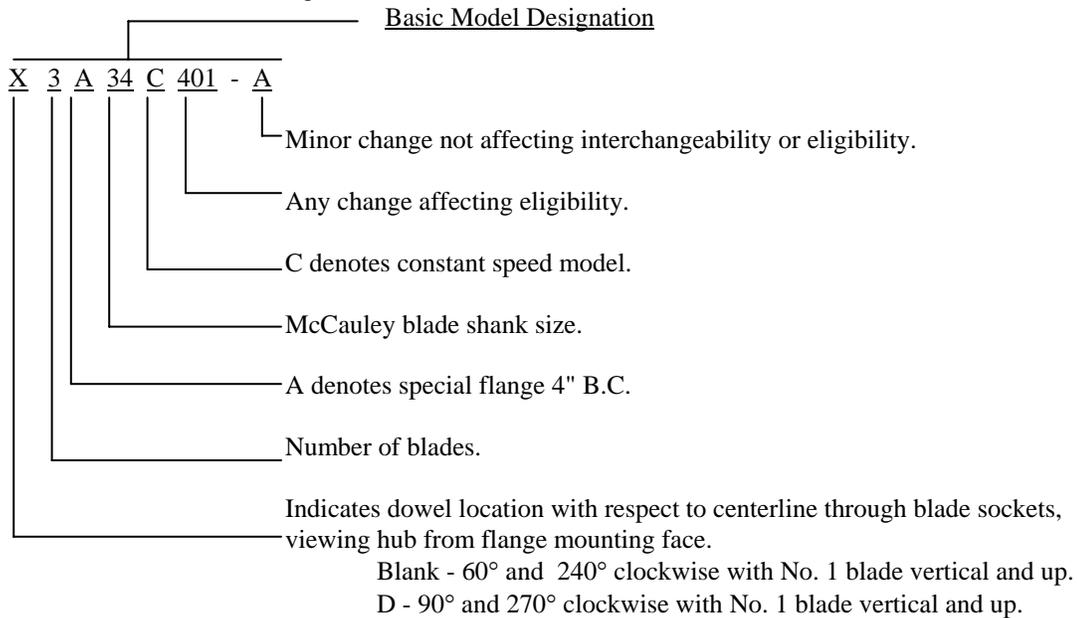
D3A32C408 (takeoff rating of 300HP/2850RPM and maximum continuous rating of 285HP/2700RPM in 80" to 74" diameter range)	82NDA	FAR Part 21 (amended thru 21-48) and FAR Part 35 (amended thru 35-3)	DOA-GL2	July 21, 1980
D3A32C409 (takeoff and maximum continuous rating of 300HP/2700 RPM in 80" to 74" diameter range)	82NDB	FAR Part 21 (amended thru 21-56) and FAR Part 35 (amended thru 35-4)	DOA-GL2	April 11, 1983
D3A36C410 (takeoff and maximum continuous rating of 325HP/2700RPM in 80" to 74" diameter range)	80VMB	FAR Part 21 (amended thru 21-54) and FAR Part 35 (amended thru 35-4)	DOA-GL2	July 6, 1984
D3A32C411 (takeoff and maximum continuous rating of 300HP/2700RPM in 80" to 74" diameter range)	82NDA	FAR Part 21 (amended thru 21-56) and FAR Part 35 (amended thru 35-4)	DOA-GL2	June 10, 1985
3A32C418 (takeoff and maximum continuous rating of 280HP/2500RPM in 80" to 70" diameter range)	82NR[X]	FAR Part 21 (amended thru 21-70) and FAR Part 35 (amended thru 35-5)	DOA-GL2	May 5, 1994
D3A34C420 (takeoff and maximum continuous rating of 325HP/2700RPM in 90" to 74" diameter range)	90DFA	FAR Part 21 (amended thru 21-59) and FAR Part 35 (amended thru 35-4)	DOA-GL2	October 24, 1989
3A34C422 (takeoff and maximum continuous rating of 325HP/2700RPM in 90" to 74" diameter range)	90DFA	FAR Part 21 (amended thru 21-67) and FAR Part 35 (amended thru 35-5)	DOA-GL2	August 2, 1991
3A34C423 (takeoff and maximum continuous rating of 325HP/2700RPM in 90" to 74" diameter range)	90DFA	FAR Part 21 (amended thru 21-67) and FAR Part 35 (amended thru 35-5)	DOA-GL2	September 12, 1991
D3A32C425 (takeoff rating of 300HP/2850RPM and maximum continuous rating of 285HP/2700RPM in 80" to 74" diameter range)	82ND[X]	FAR Part 21 (amended thru 21-67) and FAR Part 35 (amended thru 35-5)	DOA-GL2	May 3, 1993
D3A32C426 (takeoff rating of 300HP/2850RPM and maximum continuous rating of 285HP/2700RPM in 80" to 74" diameter range)	82ND[X]	FAR Part 21 (amended thru 21-67) and FAR Part 35 (amended thru 35-5)	DOA-GL2	May 3, 1993
D3A36C430 (takeoff & max cont rating of 260HP/2700RPM at 74"-68" diameter range)	74S[X]	FAR Part 21 (amended thru 21-72) and FAR Part 35 (amended thru 35-5)	DOA-GL2	May 23, 1997
D3A36C430 (takeoff & max cont rating of 260HP/2800RPM at 74"-64" diameter range)	74S[X]	FAR Part 21 (amended thru 21-74) and FAR Part 35 (amended thru 35-5)	DOA-GL2	March 10, 1998
3A36C434 (takeoff rating of 325HP/2850RPM and maximum continuous rating of 325HP/2700RPM in 80" to 72" diameter range)	80VEA	FAR Part 21 (amended thru 21-72) and FAR Part 35 (amended thru 35-5)	DOA-GL2	May 29, 1997
D3A36C435 (takeoff rating of 325HP/2850RPM and maximum continuous rating of 325HP/2700RPM in 80" to 72" diameter range)	80VE[X]	FAR Part 21 (amended thru 21-72) and FAR Part 35 (amended thru 35-5)	DOA-GL2	September 2, 1997
3A36C435 (takeoff rating of 325HP/2850RPM and	80VE[X]	FAR Part 21 (amended thru 21-72) and FAR Part 35 (amended thru 35-5)	DOA-GL2	June 27, 1997

maximum continuous rating of 325HP/2700RPM in 80" to 72" diameter range)					
D3A36C436 (takeoff & max cont rating of 260HP/2700RPM in 74"-64" diameter range)	74S[X]	FAR Part 21 (amended thru 21-73) and FAR Part 35 (amended thru 35-5)	DOA-GL2	February 23, 1998	
D3A36C436 (takeoff & max cont rating of 260HP/2800RPM at 74"-64" diameter range)	74S[X]	FAR Part 21 (amended thru 21-73) and FAR Part 35 (amended thru 35-5)	DOA-GL2	March 10, 1998	
D3A34C443 (takeoff rating of 325HP/2850RPM and maximum continuous rating of 325HP/2700RPM in 78" to 74" diameter range)	78CY[X]	FAR Part 21 (amended thru 21-77) and FAR Part 35 (amended thru 35-7)	DOA-GL2	July 16, 2003	
D3A34C444 (takeoff rating of 325HP/2850RPM and maximum continuous rating of 325HP/2700RPM in 78" to 74" diameter range)	78ML[X]	FAR Part 21 (amended thru 21-77) and FAR Part 35 (amended thru 35-7)	DOA-GL2	March 16, 2006	
D3A36C445 (takeoff rating of 325HP/2850RPM and maximum continuous rating of 325HP/2700RPM in 80" to 76" diameter range)	80MR[X]	FAR Part 21 (amended thru 21-77) and FAR Part 35 (amended thru 35-7)	DOA-GL2	July 20, 2005	
D3A34C447 (takeoff rating of 325HP/2850RPM and maximum continuous rating of 325HP/2700RPM in 78" to 74" diameter range)	78ML[X]	FAR Part 21 (amended thru 21-77) and FAR Part 35 (amended thru 35-7)	DOA-GL2	June 1, 2007	

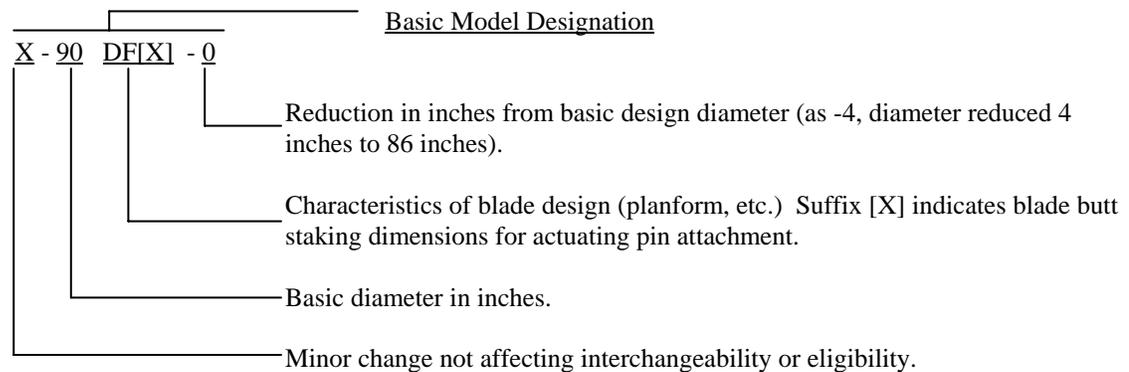
Production Basis

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 82ND[X] blades with McCauley B-40245-[X] Deicer installed per McCauley Installation Drawings D-40242 and D-40726.
- (3) Model 82NR[X] blades installed per McCauley Installation Drawing E-40623.
- (4) Model 78CY[X] blades with McCauley C-40323-[X] Deicer installed per McCauley Assembly Drawing E-7800.
- (5) Model 78ML[X] blades with McCauley B-40245-[X] Deicer installed per McCauley Assembly Drawings E-7800 and E-7837.
- (6) Model 74S[X] blades with McCauley B-40245-[X] Deicer installed per McCauley Assembly

Drawing E-7072.

NOTE 7. Accessories. (cont'd)

(b) Spinners

- (1) Model D3A34C401/90DF[X] with McCauley spinner installation D-3669, D-3867, D-3867-1, D-5027 or D-6594.
- (2) Model D3A34C402/90DF[X] with plain or electric deicer spinner: Reference 1250419-10/-15 Dome, 1250414-6/-8 Bulkhead, and 1250419-9/-14 installation.
- (3) Model 3A32C406/82ND[X] with McCauley spinner installation D-5259, D-5541, D-7168 or D-7168-2.
- (4) Model D3A32C409/82ND[X] with McCauley spinner installation D-5259, D-5541, D-7168 or D-7168-2.
- (5) Model D3A32C411/82ND[X] with McCauley spinner installation D-6594.
- (6) Model 3A32C418/82NR[X] with McCauley spinner installation D-7192.
- (7) Model 3A34C422/90DF[X] with McCauley spinner installation D-6204-[X].
- (8) Model 3A34C423/90DF[X] with McCauley spinner installation D-3584, D-3600 or D5541.
- (9) Model D3A36C430/74S[X] with McCauley spinner installation D-7365-[X].
- (10) Model 3A36C434/80VE[X] with McCauley spinner installations D-3600 or D-7062.
- (11) Model D3A36C435/80VE[X] with McCauley spinner installation D-7510-[X] or D-7515.
- (12) Model D3A36C436/74S[X] with McCauley spinner installation D-7526-[X].
- (13) Model D3A34C443/78CY[X] with McCauley spinner installation D-7779-[X].
- (14) Model D3A34C444/78ML[X] with McCauley spinner installation E-7819.
- (15) Model D3A34C447/78ML[X] with McCauley spinner installation E-7839.

NOTE 8. Not applicable.

NOTE 9.

Table of Propeller-Engine Combinations
Approved Vibration wise 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 at 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.

NOTE 11. The D3A34C443/78CY[X]-0, D3A34C444/78ML[X]-0, and D3A34C447/78ML[X]-0 propellers were added in compliance with 14 CFR 21.101, at 21-77 and after for the Changed Product Rule.

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