



Beech 33, 35, 36 Bonanza and Debonair With IO-520-B, -BA, -BB engine



Basic Kit:

Part Number: C3F00120STP

1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-6R

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA785CE

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com

Fax: (937) 778-4215
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BEECH BONANZA/DEBONAIR w. IO-520 ENGINE

Applicable Models: 35-C33A, E33A, E33C, F33A, F33C, S35, V35, V35A, V35B, 36, A36 (with IO-520 only)

Specifications: 80 inch diameter 3-bladed, aluminum hub propeller
2400 hour / 6 year TBO
80 pounds (prop & spinner)
diameter reduction allowable to 78 inches

Replaces: McCauley C23 - 84 inch dia. 2-bladed prop
66 pounds (prop & spinner)
Oil fill requirement per AD 89-26-08
Diameter reduction allowable to 82 inches
1200 hours / 5 year TBO

McCauley C76 - 80 inch dia. 3-bladed prop
70 pounds (prop & spinner)
Diameter reduction allowable to 78.5 inches
1200 hours / 5 year TBO

McCauley C406, C409 - 80 inch dia. 3-bladed prop
68 pounds (prop & spinner)
Diameter reduction allowable to 78.5 inches
2000 hours / 5 years TBO

Hartzell A3VF - 80 inch dia. 3-bladed steel hub prop
94 pounds (prop & spinner)
400 hour inspection per AD 68-13-2
Clamp inspection/replacement per AD 85-14-10
Blade retention system inspection AD 97-18-02
Diameter reduction allowable to 78.25 inches

Advantages:

- vs. McCauley 2-bladed model
 - Lower noise
 - Better take-off and climb performance
 - Improved appearance
 - Less blade erosion
 - Longer TBO
 - Current design (Mc threaded design obsolete)
- vs. McCauley 3-bladed models
 - Greater diameter reduction allowable
 - Longer TBO
 - Current design (Mc threaded obsolete)
 - Lower price than current design C406
- vs. Hartzell 3-bladed steel model
 - Lighter weight
 - Current design, less costly to maintain
 - Eliminates all repetitive inspections



Beech 33, 35, 36 Bonanza and Debonair
With IO-520-B, -BA, -BB & IO-550-B engine
(STC'd on original engines only)



Basic Kit:

Part Number: C3F00007STP
1 3-Bladed Propeller: PHC-C3YF-1RF/F8068
1 Polished Spinner: A-2295-1P
1 STC Document Set: SA10135SC

Kit with Electric De-ice (28 volt system only):

Part Number: C3F02000STP
1 3-Bladed Propeller: PHC-C3YF-1RF/F8068K
1 Polished Spinner: A-2295-2P
1 Electric De-ice kit (prop): 102544-1
1 Electric De-ice kit (airframe): 102544-2 (replacing Hartzell)
1 Electric De-ice kit (airframe): 102544-3 (replacing McCauley)
1 STC Document Set: SA02556CH-D

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BEECH BONANZA/DEBONAIR w. IO-520 or IO-550 ENGINE (standard engines only)

Applicable Models: 35-C33A, E33A, E33C, F33A, F33C, S35, V35, V35A, V35B, 36, A36, G36

***De-ice note: 28-volt 3-blade to 3-blade electric system only; aircraft must previously have been equipped with de-ice**

Specifications: 82 inch diameter 3-bladed, aluminum hub, **scimitar** blade propeller
2400 hour / 6 year TBO
80 pounds (prop & spinner)
diameter reduction allowable to 78 inches

Replaces: McCauley C23 - 84 inch dia. 2-bladed prop
66 pounds (prop & spinner)
Oil fill requirement per AD 89-26-08
Diameter reduction allowable to 82 inches
1200 hours / 5 year TBO

McCauley C76 - 80 inch dia. 3-bladed prop
70 pounds (prop & spinner)
Diameter reduction allowable to 78.5 inches
1200 hours / 5 year TBO

McCauley C406 or C409 - 80 inch dia. 3-bladed prop
68 pounds (prop & spinner)
Diameter reduction allowable to 78.5 inches
2000 hours / 5 years TBO

Hartzell A3VF - 80 inch dia. 3-bladed steel hub prop
94 pounds (prop & spinner)
400 hour inspection per AD 68-13-2
Clamp inspection/replacement per AD 85-14-10
Blade retention system inspection AD 97-18-02
Diameter reduction allowable to 78.25 inches

Advantages:

- vs. McCauley 2-bladed model
 - Lower noise
 - Better take-off and climb performance
 - Improved appearance
 - Less blade erosion
 - Longer TBO
 - Current design (Mc threaded design obsolete)
- vs. McCauley 3-bladed models
 - Greater diameter reduction allowable
 - Longer TBO
 - Current design (Mc threaded obsolete)
 - Lower price than current design C406
- vs. Hartzell 3-bladed (steel hub)
 - Lighter weight
 - Current design, less costly to maintain
 - Eliminates all repetitive inspections
- vs. Hartzell 3-bladed (8468 blade)
 - Improved take off and climb performance
 - Improved aesthetics



Beech 33, 35 Bonanza and Debonair With IO-470-C, -J, -K, -N engine



Basic Kit:

Part Number: L2F00015STP
1 2-Bladed Propeller: BHC-L2YF-1BF/F8468AR
1 Polished Spinner: A-2295-P
1 STC Document Set: SA818CE

Kit with Continental Oil Plug: (May be required for some IO-470-C, -N w/Beech Props)

Part Number: L2F00015STP*1
1 2-Bladed Propeller: BHC-L2YF-1BF/F8468AR
1 Polished Spinner: A-2295-P
1 Continental Oil Plug: 633189
1 STC Document Set: SA818CE

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BEECH BONANZA/DEBONAIR w. IO-470 ENGINE

Applicable Models: 35-33, 35-A33, 35-B33, 35-C33, E33, F33, G33, J35, K35, M35, N35, P35
*** Note:** A governor change may be required in some cases.
*** Note:** On earlier model aircraft with the IO-470-C engine an oil transfer tube or an oil plug may be required. The oil transfer tube is NO LONGER AVAILABLE.

Specifications: 84 inch diameter 2-bladed, aluminum hub propeller
 2400 hour / 6 year TBO
 58 pounds (prop & spinner)
 diameter reduction allowable to 82.5 inches

Replaces: Beech 273 / 278 - 82 inch dia. 2-bladed prop
 69 - 73 pounds (prop & spinner)
 Diameter reduction allowable to 81.5 inches
 Some have no diameter reduction allowable

Flottorp F12A - 82-84 inch dia. 2-bladed prop
 70 pounds (prop & spinner)
 84 inch reduceable to 82 inch diameter
 82 inch reduceable to 81.5, some no reduction allowed

McCauley C23 - 84 inch dia. 2-bladed prop
 66 pounds (prop & spinner)
 Oil fill requirement per AD 89-26-08
 Diameter reduction allowable to 82 inches
 1200 hours / 5 year TBO

McCauley C76 - 80 inch dia. 3-bladed prop
 70 pounds (prop & spinner)
 Diameter reduction allowable to 78.5 inches
 1200 hours / 5 year TBO

Hartzell BHC-92ZF - 84 inch dia. 2-bladed steel hub prop
 70 pounds (prop & spinner)
 Diameter reduction allowable to 82 inches
 2000 hour / 5 year TBO

Hartzell A3VF - 80 inch dia. 3-bladed steel hub prop
 94 pounds (prop & spinner)
 400 hour inspection per AD 68-13-2
 Clamp inspection/replacement per AD 85-14-10
 Blade retention system inspection AD 97-18-02
 Diameter reduction allowable to 78.25 inches

Advantages: Longer TBO
 Lower cost
 Current design (Bch, Fltp, Mc threaded, Hz steel obsolete)



Beech 33, 35 Bonanza and Debonair With IO-470-C, -J, -K, -N engine



Basic Kit:

Part Number: L3F00020STP

1 3-Bladed Propeller: PHC-L3YF-1RF/F8468A-6R

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA818CE

Kit with Continental Oil Plug: (May be required for some IO-470-C, -N w/Beech Props)

Part Number: L3F00020STP*1

1 3-Bladed Propeller: PHC-L3YF-1RF/F8468A-6R

1 Polished Spinner: A-2295-1P

1 Continental Oil Plug: 633189

1 STC Document Set: SA818CE

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BEECH BONANZA/DEBONAIR w. IO-470 ENGINE

Applicable Models: 35-33, 35-A33, 35-B33, 35-C33, E33, F33, G33, J35, K35, M35, N35, P35

***Note:** a governor change may be required in some cases.

***Note:** On earlier model aircraft with the IO-470-C engine an oil plug transfer tube or an oil plug may be required. The oil transfer tube is NO LONGER AVAILABLE.

Specifications: 80 inch diameter 3-bladed, aluminum hub propeller
2400 hour / 6 year TBO
80 pounds (prop & spinner)
diameter reduction allowable to 78 inches

Replaces: Beech 273 / 278 - 82 inch dia. 2-bladed prop
69 - 73 pounds (prop & spinner)
82 inch reduceable to 81.5 ins., some no reduction allowed

Flottorp F12A - 82-84 inch dia. 2-bladed prop
70 pounds (prop & spinner)
84 inch reduceable to 82 inch diameter
82 inch reduceable to 81.5 ins., some no reduction allowed

McCauley C23 - 84 inch dia. 2-bladed prop
66 pounds (prop & spinner)
Oil fill requirement per AD 89-26-08
Diameter reduction allowable to 82 inches
1200 hours / 5 year TBO

McCauley C76 - 80 inch dia. 3-bladed prop
70 pounds (prop & spinner)
Diameter reduction allowable to 78.5 inches
1200 hours / 5 year TBO

Hartzell BHC-92ZF - 84 inch dia. 2-bladed steel hub prop
70 pounds (prop & spinner)
Diameter reduction allowable to 82 inches
2000 hour / 5 year TBO

Hartzell A3VF - 80 inch dia. 3-bladed steel hub prop
94 pounds (prop & spinner)
400 hour inspection per AD 68-13-2
Clamp inspection/replacement per AD 85-14-10
Blade retention system inspection AD 97-18-02
Diameter reduction allowable to 78.25 inches

Advantages:

- vs. 2-bladed models
 - Lower noise
 - Better take-off and climb performance
 - Improved appearance
 - Less blade erosion
- vs. all models
 - Longer TBO
 - Current design (Bch, Fltp, Mc threaded, Hz steel obsolete)



Beech 33, 35, 36 Bonanza and Debonair With IO-520-B, -BA, -BB engine



Basic Kit:

Part Number: C2F00065STP

1 2-Bladed Propeller: BHC-C2YF-1BF/F8468AR

1 Polished Spinner: A-2295-P

1 STC Document Set: SA785CE

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BEECH BONANZA w. IO-520 ENGINE

Applicable Models: 35-C33A, E33A, E33C, F33A, F33C, S35, V35, V35A, V35B, 36, A36

Specifications: 84 inch diameter 2-bladed, aluminum hub propeller
2400 hour / 6 year TBO
51 pounds (prop)
diameter reduction allowable to 82 inches

Replaces: McCauley C23 - 84 inch dia. 2-bladed prop
66 pounds (prop & spinner)
Oil fill requirement per AD 89-26-08
Diameter reduction allowable to 82 inches
1200 hours / 5 year TBO

McCauley C76 - 80 inch dia. 3-bladed prop
70 pounds (prop & spinner)
Diameter reduction allowable to 78.5 inches
1200 hours / 5 year TBO

Hartzell A3VF - 80 inch dia. 3-bladed steel hub prop
94 pounds (prop & spinner)
400 hour inspection per AD 68-13-2
Clamp inspection/replacement per AD 85-14-10
Blade retention system inspection AD 97-18-02
Diameter reduction allowable to 78.25 inches

Advantages: Longer TBO
Lower cost
Current design (Mc threaded, Hz steel obsolete)



Beech 55 Barons With IO-470-L engine



Basic Kit:

Part Number: C2F00160STP
2 2-Bladed Propellers: BHC-C2YF-2CHUF/FC8465-6
2 Polished Spinners: C-2285-6P
1 STC Document Set: SA795CE

Kit with Alcohol Anti-ice:

Part Number: C2F00170STP
2 2-Bladed Propellers: BHC-C2YF-2CHUF/FC8465B-6
2 Polished Spinners: C-2285-6P
2 Alcohol Anti-ice kit: A-2374-1
1 STC Document Set: SA795CE

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BEECH BARON w. IO-470 ENGINES

Applicable Models: 95-55, 95-A55, 95-B55, 95-B55A, 95-B55B

Specifications: 78 inch diameter 2-bladed, aluminum hub propellers
2400 hour / 6 year TBO
71 pounds each (prop & spinner combined)
diameter reduction allowable to 76.5 inches

Replaces: McCauley C55 - 78 inch dia. 2-bladed propellers
64 pounds (prop & spinner combined)
Diameter reduction allowable to 76 inches
1200-1500 hour / 5 year TBO

McCauley C39 - 78 inch dia. 2-bladed propellers
76 pounds (prop & spinner combined)
Diameter reduction allowable to 76 inches
1200 hours / 5 year TBO

McCauley C89 - 78 inch dia. 2-bladed propellers
71 pounds (prop & spinner combined)
Diameter reduction allowable to 76 inches
1200 hour / 5 year

Advantages: Longer TBO
Current design (Mc threaded design obsolete)



Beech 55 Barons With IO-470-L engine



Basic Kit:

Part Number: C3F00171STP
2 3-Bladed Propellers: PHC-C3YF-2UF/FC7663-2R
2 Polished Spinners: C-3567-1P
1 STC Document Set: SA795CE

Kit with Alcohol Anti-ice:

Part Number: C3F00181STP
2 3-Bladed Propellers: PHC-C3YF-2UF/FC7663B-2R
2 Polished Spinners: C-3567-1P
2 Alcohol Anti-ice kit: A-2386-1
1 STC Document Set: SA795CE

Aircraft Serial and registration numbers required when ordering
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**BEECH BARON w. IO-470 ENGINES**

Applicable Models: 95-55, 95-A55, 95-B55, 95-B55A, 95-B55B

Specifications: 76 inch diameter 3-bladed, aluminum hub propellers
2400 hour / 6 year TBO
89 pounds each (prop & spinner combined)
diameter reduction allowable to 74.5 inches

Replaces: Hartzell BHC-C2YF-2CHUF/FC8465-6 78 in. dia. 2-bladed props
Diameter reduction allowable to 76.5 inches
2400 hour / 6 year TBO
71 pounds (prop & spinner combined)

McCauley C55 - 78 inch dia. 2-bladed propellers
64 pounds (prop & spinner combined)
Diameter reduction allowable to 76 inches
1200-1500 hour / 5 year TBO

McCauley C39 - 78 inch dia. 2-bladed propellers
76 pounds (prop & spinner combined)
Diameter reduction allowable to 76 inches
1200 hours / 5 year TBO

McCauley C89 - 78 inch dia. 2-bladed propellers
71 pounds (prop & spinner combined)
Diameter reduction allowable to 76 inches
1200 hour / 5 year

Advantages: Lower noise
Better take-off and climb performance
Improved appearance
Less blade erosion
Longer TBO
Current design (Mc threaded design obsolete)



Beech 55 Baron "Scimitar" With IO-470-L engine



Basic Kit:

Part Number: C3F00160STP
2 3-Bladed Propellers: PHC-C3YF-2UF/FC7391D
2 Polished Spinners: C-3567-9P
1 STC Document Set: SA01463WI

Kit with Alcohol Anti-ice:

Part Number: C3F00166STP
2 3-Bladed Propellers: PHC-C3YF-2UF/FC7391DB
2 Polished Spinners: C-3567-9P
2 Alcohol Anti-ice kit: 103313
1 STC Document Set: SA02561CH-D

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**BEECH BARON w. IO-470-L ENGINES**

Applicable Models: 95-55, 95-A55, 95-B55, 95-B55A, 95-B55B

Specifications: 75 inch diameter 3-bladed, "Scimitar" aluminum hub propellers
2400 hour / 6 year TBO
91.8 / 93.5 (including slinger) lb. each (prop & spinner combined)
diameter reduction allowable to 73 inches

Replaces: Hartzell BHC-C2YF-2CHUF/FC8465-6 78 in. dia. 2-bladed props
Diameter reduction allowable to 76.5 inches
2400 hour / 6 year TBO
71 pounds (prop & spinner combined)

Hartzell PHC-C3YF-2UF/FC7663(B,K)-2R 76 in. dia. 3-bladed props
Diameter reduction allowable to 74 inches
2400 hour / 6 year TBO
89 pounds (prop & spinner combined)

McCauley C55 - 78 inch dia. 2-bladed propellers
64 pounds (prop & spinner combined)
Diameter reduction allowable to 76 inches
1200-1500 hour / 5 year TBO

McCauley C39 - 78 inch dia. 2-bladed propellers
76 pounds (prop & spinner combined)
Diameter reduction allowable to 76 inches
1200 hours / 5 year TBO

McCauley C89 - 78 inch dia. 2-bladed propellers
71 pounds (prop & spinner combined)
Diameter reduction allowable to 76 inches
1200 hour / 5 year

Advantages: Lower noise (-1.1 to -5.8 dB(a) depending on orig. installation)
Better take-off and climb performance
Improved appearance
Improved ground clearance
Longer TBO
Current design (Mc threaded design obsolete)



Beech 55 Baron With IO-520-C, -CB engine



Basic Kit:

Part Number: C3F00170STP
2 3-Bladed Propellers: PHC-C3YF-2UF/FC7663-2R
2 Polished Spinners: C-3567-1P
1 STC Document Set: SA773CE

Kit with Alcohol Anti-ice:

Part Number: C3F00182STP
2 3-Bladed Propellers: PHC-C3YF-2UF/FC7663B-2R
2 Polished Spinners: C-3567-1P
2 Alcohol Anti-ice kit: A-2386-1
1 STC Document Set: SA773CE

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BEECH BARON w. IO-520 ENGINES

Applicable Models: 95-C55, 95-C55A, D55, D55A, E55, E55A,

Specifications: 76 inch diameter 3-bladed, aluminum hub propellers
2400 hour / 6 year TBO
89 pounds each (prop & spinner combined)
diameter reduction allowable to 74 inches

Replaces: Hartzell BHC-C2YF-2CHUF/FC8475-6 78 in. dia. 2-bladed props
Diameter reduction allowable to 76 inches
2400 hour / 6 year TBO
71 pounds (prop & spinner combined)

McCauley C55 - 78 inch dia. 2-bladed propellers
64 pounds (prop & spinner combined)
Diameter reduction allowable to 76 inches
1200-1500 hour / 5 year TBO

McCauley C75 - 76 inch dia. 3-bladed propellers
82 pounds each (prop & spinner combined)
No diameter reduction allowable
1200 hours / 5 year TBO

Advantages:

- vs. 2-bladed props
 - Lower noise
 - Better take-off and climb performance
 - Improved appearance
 - Less blade erosion
 - Longer TBO
 - Current design (Mc threaded design obsolete)
- vs. 3-bladed
 - Longer TBO
 - Diameter reduction allowable in event of tip damage
 - McCauley threaded designs obsolete

Note: Please note that in most cases an after market air conditioner does not change the aircraft cowling, therefore the "w/o air conditioning" spinner assembly (C-3567-1P) would be needed when ordering.



Beech 55 Baron "Scimitar" With IO-520-C, -CB engine



Basic Kit:

Part Number: C3F00161STP
2 3-Bladed Propellers: PHC-C3YF-2UF/FC7391D
2 Polished Spinners: C-3567-9P
1 STC Document Set: SA02561CH-D

Kit with Alcohol Anti-ice:

Part Number: C3F00167STP
2 3-Bladed Propellers: PHC-C3YF-2UF/FC7391DB
2 Polished Spinners: C-3567-9P
2 Alcohol Anti-ice kit: 103313
1 STC Document Set: SA2561CH-D

Kit for E55(A) with Factory Air Conditioning ONLY:

Part Number: J3F00116STP*2
2 3-Bladed Propellers: PHC-J3YF-2UF/FC7391D
2 Polished Spinners: C-3567-8P
1 STC Document Set: SA2561CH-D

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BEECH BARON w. IO-520 ENGINES

Applicable Models: 95-C55, 95-C55A, D55, D55A, E55, E55A,

Specifications: 75 inch diameter 3-bladed, "Scimitar" aluminum hub propellers
2400 hour / 6 year TBO
91.8 / 93.5 (with slinger) lb. each (prop & spinner combined)
93.8 lb. each – Extended hub (prop & spinner combined)
diameter reduction allowable to 73 inches

Replaces: Hartzell BHC-C2YF-2CHUF/FC8475-6 78 in. dia. 2-bladed props
Diameter reduction allowable to 76 inches
2400 hour / 6 year TBO
71 pounds (prop & spinner combined)

Hartzell PHC-C3YF-2UF/FC7663-2R 76 in. dia. 3-bladed props
Diameter reduction allowable to 74 inches
2400 hour / 6 year TBO
89 pounds (prop & spinner combined)

McCauley C55 - 78 inch dia. 2-bladed propellers
64 pounds (prop & spinner combined)
Diameter reduction allowable to 76 inches
1200-1500 hour / 5 year TBO

McCauley C75 - 76 inch dia. 3-bladed propellers
82 pounds each (prop & spinner combined)
No diameter reduction allowable
1200 hours / 5 year TBO

Advantages:

- vs. 2-bladed props
 - Lower noise (-1.1 to -5.8 dB(a) depending on orig. installation)
 - Better take-off and climb performance
 - Improved appearance
 - Less blade erosion
 - Longer TBO
 - Current design (Mc threaded design obsolete)
- vs. 3-bladed
 - Longer TBO
 - Diameter reduction allowable in event of tip damage
 - McCauley threaded designs obsolete

Note: Please note that in most cases an after market air conditioner does not change the aircraft cowling, therefore the "w/o air conditioning" spinner assembly (C-3567-9P) would be needed when ordering.

On models E55 and E55A, factory air conditioned models with long nacelles requiring the longer J3YF hub are not compatible with factory installed alcohol anti-ice systems. The propeller anti-ice system must be labeled "inop" at propeller conversion installation. Hartzell does not offer a compatible alcohol anti-ice system for these aircraft at this time.



Beech E55 & E55A Barons (w/ Factory A/C only) & All 58 & 58A



Basic Kit (w/o Factory Air Conditioning):

Part Number: J3F00060STP

2 3-Bladed Propellers: PHC-J3YF-2UF/FC7663-2R

2 Polished Spinners: C-3567-1P

1 STC Document Set: SA773CE

Basic Kit (w/ Factory Air Conditioning):

Part Number: J3F00060STP*1

2 3-Bladed Propellers: PHC-J3YF-2UF/FC7663-2R

2 Polished Spinners: C-3567-4P

1 STC Document Set: SA773CE

Kit with Alcohol Anti-ice (w/o Factory Air Conditioning):

Part Number: J3F00062STP

2 3-Bladed Propellers: PHC-J3YF-2UF/FC7663B-2R

2 Polished Spinners: C-3567-1P

2 Alcohol Anti-ice kit: A-2386

1 STC Document Set: SA773CE

Kit with Alcohol Anti-ice (w/ Factory Air Conditioning):

Part Number: J3F00062STP*1

2 3-Bladed Propellers: PHC-J3YF-2UF/FC7663B-2R

2 Polished Spinners: C-3567-4P

1 Alcohol Anti-ice kit: A-2386 & A-2387

1 STC Document Set: SA773CE

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
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BEECH BARON w. IO-520 ENGINES

Applicable Models: E55 & E55A (with factory air conditioning), & all 58 & 58A.

Specifications: 76 inch diameter 3-bladed, extended, aluminum hub propellers
2400 hour / 6 year TBO
91 pounds each (prop & spinner combined)
diameter reduction allowable to 74 inches

Replaces: Hartzell BHC-J2YF-2CHUF/FC8475-6 78 in. dia. 2-bladed props
Diameter reduction allowable to 76 inches
2400 hour / 6 year TBO
78 pounds (prop & spinner combined)

McCauley C30 - 78 inch dia. extended hub 2-bladed propellers
69 pounds (prop & spinner combined)
Diameter reduction allowable to 76 inches
1200 hour / 5 year TBO

McCauley C35 - 78 inch dia. extended hub 3-bladed propellers
85 pounds each (prop & spinner combined)
No diameter reduction allowable
1200 hours / 5 year TBO

Advantages:

- vs. 2-bladed props
 - Lower noise
 - Better take-off and climb performance
 - Better looks
 - Less blade erosion
 - Longer TBO
 - Current design (Mc threaded design obsolete)
- vs. 3-bladed
 - Longer TBO
 - Diameter reduction allowable in event of tip damage
 - McCauley threaded designs obsolete

Note: Please note that in most cases an after market air conditioner does not change the aircraft cowling, therefore the "w/o air conditioning" spinner assembly (C-3567-1P) would be needed when ordering.



Beech 58 Baron With IO-550-C engine



Basic Kit (w/o Factory Air Conditioning):

Part Number: J3F00058STP

2 3-Bladed Propellers: PHC-J3YF-2UF/FC7663-2R

2 Polished Spinners: C-3567-1P

1 STC Document Set: SA5533NM

Basic Kit (w/ Factory Air Conditioning):

Part Number: J3F00058STP*1

2 3-Bladed Propellers: PHC-J3YF-2UF/FC7663-2R

2 Polished Spinners: C-3567-4P

1 STC Document Set: SA5533NM

Kit with Electric De-ice (w/o Factory Air Conditioning):

Part Number: J3F00088STP

2 3-Bladed Propellers: PHC-J3YF-2UF/FC7663K-2R

2 Polished Spinners: C-3567-1P

1 Electric De-ice kit (airframe): 7931-67-940-2

2 Electric De-ice kit (prop): 7931-67-940-1

1 STC Document Set: SA5533NM

Kit with Electric De-ice (w/ Factory Air Conditioning):

Part Number: J3F00088STP*1

2 3-Bladed Propellers: PHC-J3YF-2UF/FC7663K-2R

2 Polished Spinners: C-3567-4P

1 Electric De-ice kit (airframe): 7931-67-940-3

2 Electric De-ice kit (prop): 7931-67-940-1

1 STC Document Set: SA5533NM

Aircraft Serial and registration numbers required when ordering

All Prices FOB Hartzell Propeller Inc.

Prices do not include Ohio State Sales Tax

Installation and Dynamic Balancing available at an additional charge

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BEECH BARON w. IO-550 ENGINES

Applicable Models: 58, 58A

Specifications: 76 inch diameter 3-bladed, aluminum hub propellers
2400 hour / 6 year TBO
91 pounds each (prop & spinner combined)
diameter reduction allowable to 74 inches

Replaces: McCauley C512 - 77 inch diameter extended 3-bladed props
Diameter reduction allowable to 76.5 inches
2000 hour / 6 year
86 pounds each (prop & spinner combined)

Advantages: Lower noise
More ground clearance
Greater diameter reduction allowable in event of tip damage
Upgrade aircraft to current production standard
Common with IO-520 Baron propellers

Note: Please note that in most cases an after market air conditioner does not change the aircraft cowling, therefore the "w/o air conditioning" spinner assembly (C-3567-1P) would be needed when ordering.



Beech 58 Baron "Scimitar" With IO-520-C, -CB, and IO-550-C engine



Basic Kit (w/o Factory Air Conditioning):

Part Number: J3F00116STP

2 3-Bladed Propellers: PHC-J3YF-2UF/FC7391D

2 Polished Spinners: C-3567-1P

1 STC Document Set: SA10551SC

Basic Kit (w/ Factory Air Conditioning):

Part Number: J3F00116STP*1

2 3-Bladed Propellers: PHC-J3YF-2UF/FC7391D

2 Polished Spinners: C-3567-4P

1 STC Document Set: SA10551SC

Kit with Alcohol Anti-ice (w/o Factory Air Conditioning):

Part Number: J3F00130STP

2 3-Bladed Propellers: PHC-J3YF-2UF/FC7391DB

2 Polished Spinners: C-3567-7P

2 Alcohol Anti-ice kit (prop): 102679-1

1 STC Document Set: SA02561CH-D

Kit with Alcohol Anti-ice (w/ Factory Air Conditioning):

Part Number: J3F00130STP*1

2 3-Bladed Propellers: PHC-J3YF-2UF/FC7391DB

2 Polished Spinners: C-3567-8P

1 Alcohol Anti-ice kit (prop): 102679-1 & 102679-2

1 STC Document Set: SA02561CH-D

Aircraft Serial and registration numbers required when ordering

All Prices FOB Hartzell Propeller Inc.

Prices do not include Ohio State Sales Tax

Installation and Dynamic Balancing available at an additional charge

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Email: topprop@hartzellprop.com



Kit with Electric De-ice (w/o Factory Air Conditioning): (See Note 1)

Part Number: J3F00135STP
2 3-Bladed Propellers: PHC-J3YF-2UF/FC7391DK
2 Polished Spinners: C-3567-1P
1 Electric De-ice kit (airframe): 7931-5E2793-4
2 Electric De-ice kit (prop): 7931-5E2793-1
1 STC Document Set: SA10551SC

Kit with Electric De-ice (w/ Factory Air Conditioning): (See Note 1)

Part Number: J3F00135STP*1
2 3-Bladed Propellers: PHC-J3YF-2UF/FC7391DK
2 Polished Spinners: C-3567-4P
1 Electric De-ice kit (airframe): 7931-5E2793-5
2 Electric De-ice kit (prop): 7931-5E2793-1
1 STC Document Set: SA10551SC

Kit with Electric De-ice (w/o Factory Air Conditioning): (See Note 1)

Part Number: J3F00135STP*2
2 3-Bladed Propellers: PHC-J3YF-2UF/FC7391DK
2 Polished Spinners: C-3567-1P
2 Electric De-ice kit (prop): 7931-5E2793-1
1 STC Document Set: SA10551SC

Kit with Electric De-ice (w/ Factory Air Conditioning): (See Note 1)

Part Number: J3F00135STP*3
2 3-Bladed Propellers: PHC-J3YF-2UF/FC7391DK
2 Polished Spinners: C-3567-4P
2 Electric De-ice kit (prop): 7931-5E2793-1
1 STC Document Set: SA10551SC

NOTE 1: The J3F00135STP*2 and J3F00135STP*3 kits do not come with airframe de-ice kits. They are specifically for use on aircraft s/n TH-1231 and later that were factory equipped with Hartzell PHC-J3YF-2UF/FC7663K-2R propellers and an electro-thermal propeller de-ice system. When replacing McCauley C512 propellers and a McCauley electro-thermal propeller de-ice system, order a J3F00135STP or J3F00135STP*1 (w/ air conditioning) kit.

NOTE 2: This kit is not compatible with electro-thermal de-ice kits on s/n TH-1230 and before. S/N TH-1 through TH-1230 are eligible for the basic kit (no de-ice), with early de-ice kits disabled, and when equipped with alcohol anti-ice. Electro-thermal de-ice kit is not compatible with systems on aircraft previously equipped with 2 blade propellers.

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

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**BEECH BARON**

Applicable Models: 58, 58A, G58

Specifications: 75 inch diameter 3-bladed "SCIMITAR", aluminum hub propellers
2400 hour / 6 year TBO
93.8 – 96.0 pounds each (prop & spinner combined)
diameter reduction allowable to 73 inches

Replaces: McCauley C512 - 77 inch diameter extended 3-bladed props
Diameter reduction allowable to 76.5 inches
2000 hour / 6 year
86 pounds each (prop & spinner combined)

McCauley C30 - 78 inch dia. extended hub 2-bladed propellers
Diameter reduction allowable to 76 inches
1200 hour / 5 year
69 pounds (prop & spinner combined)

McCauley C35 - 78 inch dia. extended hub 3-bladed propellers
No diameter reduction allowable
1200 hours / 5 year TBO
85 pounds each (prop & spinner combined)

Hartzell BHC-J2YF-2CHUF/FC8475-6 78 in. dia. 2-bladed props
Diameter reduction allowable to 76 inches
2400 hour / 6 year TBO
78 pounds (prop & spinner combined)

Hartzell PHC-J3YF-2UF/FC7663-2R 76 in. dia. 3-bladed propellers
diameter reduction allowable to 74 inches
2400 hour / 6 year TBO
91 pounds each (prop & spinner combined)

Advantages:

Reduced noise
Better take-off and climb performance
Improved cruise performance efficiency
More ground clearance - Less blade erosion / FOD
Longest TBO
Current design (Mc threaded design obsolete)
Attractive design

Note:

Please note that in most cases an after market air conditioner does not change the aircraft cowling, therefore the "w/o air conditioning" spinner assembly (C-3567-1P or -7P) would be needed when ordering.

Electric De-ice Kit approved on s/n TH-1231 and later only. Aircraft with s/n TH-1230 and before must disengage any existing electric de-ice system.

Aircraft eligible for electric de-ice system (s/n TH-1231 and later) require **airframe** de-ice kit when replacing McCauley propellers only.



Beech A36 & G36 Bonanza With IO-550-B engine



Basic Kit:

Part Number: C3F00117STP

1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-6R

1 Polished Spinner: A-2295-2P

1 STC Document Set: SA00719LA

Kit with Electric De-ice:

Part Number: C3F00135STP

1 3-Bladed Propeller: PHC-C3YF-1RF/F8468AK-6R

1 Polished Spinner: A-2295-2P

1 Electric De-ice kit (prop): 7931-67-941-1

1 Electric De-ice kit (airframe): 7931-67-941-2

1 STC Document Set: SA00719LA

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

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BEECH BONANZA w. IO-550 ENGINE

Applicable Models: A36 (with IO-550 only)

Specifications: 80 inch diameter 3-bladed, aluminum hub propeller
2400 hour / 6 year TBO
80 pounds (prop & spinner)
diameter reduction allowable to 78 inches

Replaces: McCauley C409 - 80 inch dia. 3-bladed prop
72 pounds (prop & spinner)
Diameter reduction allowable to 78.5 inches
2000 hours / 6 years TBO

Advantages: vs. McCauley 3-bladed models
Upgrade aircraft to current production standard
Greater diameter reduction allowable
Longer TBO
Lower price than current design C409



Beech B36 TC Bonanza With TSIO-520-UB engine



Basic Kit:

Part Number: C3F00128STP

1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-8R

1 Polished Spinner: A-2295-2P

1 STC Document Set: SA00718LA

Kit with Electric De-ice: (serial numbers EA-242 and EA-273 to EA-584)

Part Number: C3F00140STP

1 3-Bladed Propeller: PHC-C3YF-1RF/F8468AK-8R

1 Polished Spinner: A-2295-2P

1 Electric De-ice kit (prop): 7931-67-941-1

1 Electric De-ice kit (airframe): 7931-67-941-2

1 STC Document Set: SA00718LA

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
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BEECH BONANZA w. TSIO-520 ENGINE

Applicable Models: B36TC

Specifications: 78 inch diameter 3-bladed, aluminum hub propeller
2400 hour / 6 year TBO
80 pounds (prop & spinner)
diameter reduction allowable to 77 inches

Replaces: McCauley C406 - 78 inch dia. 3-bladed prop
72 pounds (prop & spinner)
Diameter reduction allowable to 77 inches
2000 hours / 6 years TBO

Advantages: vs. McCauley 3-bladed models
Upgrade aircraft to current production standard
Longer TBO
Lower price than current design C406



Beech 95, B95, B95A, D95A, E95 Travel Air With O-360, IO-360 (180HP) engine



Basic Kit:

Part Number: C2K00487STP
2 2-Bladed Propellers: HC-C2YK-2CUF/FC7666C-4
2 Polished Spinners: 836-29P
1 STC Document Set: SA00722CH

Kit with Alcohol Anti-ice:

Part Number: C2K00488STP
2 2-Bladed Propellers: HC-C2YK-2CUF/FC7666CB-4
2 Polished Spinners: 836-29P
1 Alcohol Anti-ice kit: D6774/C-2131-6
1 STC Document Set: SA00722CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
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BEECH 95 SERIES TRAVEL AIR

Applicable Models: 95, B95, B95A, D95A, E95

Specifications: 72 inch diameter 2-bladed, aluminum hub propeller
2400 hour / 6 year TBO
69.4 pounds (prop & spinner)
No diameter cut-off permitted
Placard: "Avoid continuous operation between 2000 and 2350 RPM."

Replaces: Hartzell HC-92ZK, HC-92WK - 72 inch 2-bladed steel hub prop
75 pounds (prop & spinner)
Diameter reduction allowable to 70 inches
500 hour inspection per AD95-11-08
2000 hour / 5 year TBO

Advantages: Lighter weight (11 pounds per aircraft)
Current design / New Production
Eliminates AD95-11-08



**Cessna 170A, 170B (Landplane and Seaplane)
With O-360-A1A, -A1C, -A1D, -A1F, -A1G, -A1H, -A1P,
-C1A, -C1C, -C1E, -C1F, -C1G (180HP) engine**



Basic Kit:

Part Number: C2R00074STP

1 2-Bladed Propeller: HC-C2YR-1BF/F8477-4

1 Polished Spinner: C-3568-P

1 Damper Assembly: C-1576

1 STC Document Set: SA01111CH

Aircraft Serial and registration numbers required when ordering
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CESSNA 170A, 170B

Specifications:

80 inch diameter 2-bladed aluminum hub propeller
 2400 hour / 6 year TBO
 67 pounds (propeller, spinner, and damper)
 Diameter reduction allowable to 78 inches
 Approved for land planes and seaplanes

Advantages:

Better take-off and climb performance
 Longer TBO
 Eliminates tachometer restrictions



**Cessna 172, 172A-I, 172K-N, 172P, 175, 175A-C
(Landplane and Seaplane)
With O-360-A1A, -A1C, -A1D, -A1F, -A1G, -A1H, -A1P,
-C1A, -C1C, -C1E, -C1F, -C1G (180HP) engine**



Basic Kit:

Part Number: C2R00074STP

1 2-Bladed Propeller: HC-C2YR-1BF/F8477-4

1 Polished Spinner: C-3568-P

1 Damper Assembly: C-1576

1 STC Document Set: SA02186AK

**Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
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CESSNA 172, 172A-I, 172K-N, 172P, 175, 175A-C

Specifications:

80 inch diameter 2-bladed aluminum hub propeller
 2400 hour / 6 year TBO
 67 pounds (propeller, spinner, and damper)
 Diameter reduction allowable to 78 inches
 Approved for land planes and seaplanes
 Landplanes must have Cessna heavy duty nose strut fork and
 6.00 x 6 nose tire
 Not approved for installation on engines with crankshaft dampers, O-
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Advantages:

Better take-off and climb performance
 Longer TBO
 Eliminates tachometer restrictions



Cessna 172F through 172S and Reims/Cessna F172F though F172P with Centurion Diesel Engine



Basic Kit:

Part Number: 3AT00002STP

1 3-Bladed Propeller: 3A1-TP724A1/75A01-2 "Bantam"

1 Composite Spinner: 104888F1 (white) or 104888F2 (metallic silver)

1 STC Document Set: SA03300CH

Aircraft Serial and registration numbers required when ordering
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CESSNA/REIMS

Applicable Models: 172F(USAF T41-A), 172G, 172H(USAF T41-A), 172I, 172K, 172L, 172M, 172N, 172P, 172R, F172F, F172G, F172H, F172K, F172L, F172M, F172N, F172P.

Aircraft has to be modified by Thielert Aircraft Engines STC SA01303WI. This propeller installation is only eligible with a Technify/Thielert model TAE125-02-99 Centurion diesel engine.

Specifications: 74-inch diameter ASCII all carbon blade, lightweight Bantam
3-bladed propeller
2400 hour / 6 year TBO
31.1 lb (prop only), 35.3 pounds (propeller and spinner)

Replaces: MT MTV-6-A/187-129 Wood/Fiberglass
2400 hour / 6 year TBO
30.9 lb (prop only)

Advantages: 15% faster acceleration time to 45 KIAS
+3 knot increase in speed from 75% to full power
Max. power ROC increased 50 – 75 fpm
Unlimited blade life
40% lighter than aluminum blades
5 /10 times stronger respectively than Beech and Spruce wood
utilized in wood core propellers
Proven durability and reparability of true structural composite blades



Cessna 172RG Cutlass RG With O-360-F1A6 engine



Basic Kit:

Part Number: G2R00150STP

1 2-Bladed Propeller: HC-G2YR-1BFP/F7894-1.5

1 Carbon Fiber Composite Spinner: 105127(F1), Matterhorn White, or 105127F2(Metallic Silver), or 105127

1 STC Document Set: SA03373CH

Aircraft Serial and registration numbers required when ordering

All Prices FOB Hartzell Propeller Inc.

Prices do not include Ohio State Sales Tax

Installation and Dynamic Balancing available at an additional charge

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Email: topprop@hartzellprop.com

TOP
PROP
PERFORMANCE
CONVERSIONS



CESSNA

Applicable Models: 172RG (all)

Specifications: 76.5-inch diameter 2-bladed aluminum hub propeller
Carbon fiber, all composite spinner assembly
2400 hour / 6 year TBO
59.4 pounds (propeller and spinner)
Diameter reduction allowable to 75.5 inches

Placard: "Continuous Operation is prohibited between 2000 – 2300 RPM with less than 8" manifold pressure."

Replaces: McCauley B2D34C220/80VHA-3.5, 76.5" diameter 2-bladed prop
2000 hour / 6 year TBO
59.2 pounds (propeller and spinner)

Placard: " With less than 10" manifold pressure, avoid continuous between 1750 – 2050 RPM. "

Advantages:

- Takeoff acceleration to 55 KIAS is improved.
- Cruise speeds and Climb performance equal to or better than original.
- Longer TBO than McCauley 2-blade
- Improved appearance, Scimitar-style blade
- Diameter reduction allowable in event of tip damage
- Globally acceptable 84.9 dB(a) measured noise number (FAR 36, Appendix G, & ICAO Annex 16, Chapter 10).



**Cessna 177B, 177RG, F177RG (Reims) Cardinal
With O-360-A1F6(D) 180HP, IO-360-A1B6(D) 200HP
engine**



Basic Kit: (180HP engine)

Part Number: C3R00021STP

1 3-Bladed Propeller: HC-C3YR-1RF/F7282

1 Polished Spinner: C-4582-P

1 Spinner Mounting Kit: A-2476-7

1 STC Document Set: SA1556GL

Basic Kit: (200HP engine)

Part Number: C3R00022STP

1 3-Bladed Propeller: HC-C3YR-1RF/F7282

1 Polished Spinner: C-4582-P

1 Spinner Mounting Kit: A-2476-7

1 STC Document Set: SA1556GL

Aircraft Serial and registration numbers required when ordering
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Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

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CESSNA CARDINAL

Applicable Models: 177B (180 hp)
177RG, F177RG Reims (200 hp)

Specifications: 74 inch diameter 3-bladed aluminum hub propeller
2400 hour / 6 year TBO
73 pounds (propeller and spinner)
Diameter reduction allowable to 73 inches
Placard - "Avoid continuous operations below 15" between 1950 and 2350 RPM."

Replaces: McCauley C202 - 76 inch diameter 2-bladed prop (177B)
Diameter reduction allowable to 75 inches
2000 hour / 6 year TBO

McCauley C206 - 78 inch diameter 2-bladed prop (177B, 177RG)
Diameter reduction allowable to 74 ins.(177B), 76.5 ins.(177RG)
2000 hour / 6 year TBO

McCauley C207 - 78 inch diameter 2-bladed prop (177RG)
Diameter reduction 76.5inches
2000 hour / 6 year TBO

McCauley C208 or C211 - 76 inch diameter 2-bladed prop (177B)
Diameter reduction allowable to 75 inches
2000 hour / 6 year TBO

Advantages: Better take-off and climb performance
Longer TBO
Lower noise
Improved appearance
Less blade tip erosion
Greater repair allowance



Cessna 180 (Land, Sea or Amphibian) O-470-A,-J,-K,-L,-R,-S,-U engine



Basic Kit: (180-180J w/ O-470-A,-J,-K,-L,-R,-S)

Part Number: C3F00001STP

1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-6R

1 Polished Spinner: C-3535-1P

1 STC Document Set: SA00852AT

Basic Kit: (180K w/ O-470-U)

Part Number: C3F00890STP

1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-6R

1 Polished Spinner: C-3535-1P

1 STC Document Set: SA00852AT

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CESSNA 180

Applicable Models: 180 series (land, sea or amphibian)
***Note: a governor change may be required in some cases**

Specifications: 80 inch diameter 3-bladed, aluminum hub propeller
 2400 hour / 6 year TBO
 75 pounds (propeller and spinner)
 Diameter reduction allowable to 77 inches

Replaces: Hartzell 82XF- 84 or 88 inch dia., 2-bladed steel hub prop
 Diameter reduction allowable to 82.5 or 86 inches
 1000 hours / 5 year TBO

McCauley 2A36C - 82 or 88 inch diameter 2-bladed propeller
 Diameter reduction allowable to 80 or 86 inches
 1000-1500 hours / 5 year TBO

McCauley 2A34C - 82 or 88 inch diameter 2-bladed propeller
 Diameter reduction allowable to 80 or 86 inches
 1000-1500 hours / 5 year TBO

McCauley C66 - 82 or 88 inch diameter 2-bladed propeller
 Diameter reduction allowable to 80 or 86 inches
 1200-1500 hours / 5 year TBO

McCauley C201 - 82 or 88 inch diameter 2-bladed propeller
 Diameter reduction allowable to 80 or 86.5 inches
 1500 hour / 5 year TBO

McCauley C203 - 82 or 88 inch diameter 2-bladed propeller
 Diameter reduction allowable to 80 or 86.5 inches
 2000 hour / 6 year TBO

McCauley C204 - 82 inch diameter 2-bladed propeller
 Diameter reduction allowable to 80.5 inches
 2000 hour / 6 year TBO

Advantages: Better take-off and climb performance
 Excellent acceleration to step
 Longer TBO
 Dramatically lower noise
 Improved appearance
 Less blade tip erosion
 Current design



Cessna 182, 182A-182R With O-470-L, -R, -S, -U engine



Basic Kit: (182-182G w/ O-470-L, -R, -S engine)

Part Number: G3F00006STP

1 3-Bladed Propeller: PHC-G3YF-1RF/F7691

1 Polished Spinner: D-4798-3P

1 STC Document Set: SA09000SC

Basic Kit: (182H-182P w/ O-470-L, -R, -S engine)

Part Number: G3F00006STP*1

1 3-Bladed Propeller: PHC-G3YF-1RF/F7691

1 Polished Spinner: D-4798-1P

1 STC Document Set: SA09000SC

Basic Kit: (182Q-182R w/ O-470-U engine)

Part Number: G3F00008STP

1 3-Bladed Propeller: PHC-G3YF-1RF/F7691

1 Polished Spinner: D-4798-1P

1 STC Document Set: SA09000SC

Aircraft Serial and registration numbers required when ordering
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CESSNA 182

Applicable Models: 182, 182A-R (O-470-L,R,S, and U engines)
***Note: a governor change may be required in some cases.**

Specifications: 78 inch diameter 3-bladed, **scimitar**, aluminum hub propeller
 2400 hour / 6 year TBO
 75 pounds (propeller and spinner)
 Diameter reduction allowable to 77 inches

Replaces: Hartzell 82XF- 82 inch diameter, 2-bladed steel hub propeller
 Diameter reduction allowable to 80 inches
 1000 hour / 5 year TBO

McCauley 2A36C - 82 inch diameter 2-bladed propeller
 Diameter reduction allowable to 80 inches
 1000-1500 hours/5 year TBO

McCauley 2A34C - 82 inch diameter 2-bladed propeller
 Diameter reduction allowable to 80 inches
 1000-1500 hours/5 year TBO

McCauley C66 - 82 inch diameter 2-bladed propeller
 Diameter reduction allowable to 80 inches
 1200-1500 hours/5 year TBO

McCauley C201 - 82 inch diameter 2-bladed propeller
 Diameter reduction allowable to 80 inches
 1500 hours/5 year TBO

McCauley C203 - 82 inch diameter 2-bladed propeller
 Diameter reduction allowable to 80.5 inches
 2000 hour / 6 year TBO

McCauley C204 - 82 inch diameter 2-bladed propeller
 Diameter reduction allowable to 80.5 inches
 2000 hour / 6 year TBO

Advantages:
 Better take-off and climb performance
 Same or slightly better cruise performance
 Longer TBO
 Dramatically lower noise
 Improved appearance
 Less blade tip erosion
 Current design



Cessna 182, 182A-182P With O-470-L, -R, -S engine



Basic Kit: (182-182G)

Part Number: G2F00011STP

1 2-Bladed Propeller: BHC-G2YF-1BF/F8468A-2R

1 Polished Spinner: D-4798-2P

1 STC Document Set: SA09000SC

Basic Kit: (182H-182P)

Part Number: G2F00011STP*1

1 2-Bladed Propeller: BHC-G2YF-1BF/F8468A-2R

1 Polished Spinner: D-4798P

1 STC Document Set: SA09000SC

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CESSNA 182

Applicable Models: 182, 182A-P (0-470-L, -R, and -S engines)
***Note: a governor change may be required in some cases.**

Specifications: 82 inch diameter 2-bladed, aluminum hub propeller
 2400 hour / 6 year TBO
 61 pounds (propeller and spinner)
 Diameter reduction allowable to 80 inches

Replaces: Hartzell 82XF- 82 inch diameter, 2-bladed steel hub propeller
 Diameter reduction allowable to 80 inches
 1000 hour / 5 year TBO

McCauley 2A36C - 82 inch diameter 2-bladed propeller
 Diameter reduction allowable to 80 inches
 1000-1500 hours/5 year TBO

McCauley 2A34C - 82 inch diameter 2-bladed propeller
 Diameter reduction allowable to 80 inches
 1000-1500 hours/5 year TBO

McCauley C66 - 82 inch diameter 2-bladed propeller
 Diameter reduction allowable to 80 inches
 1200-1500 hours/5 year TBO

McCauley C201 - 82 inch diameter 2-bladed propeller
 Diameter reduction allowable to 80 inches
 1500 hours/5 year TBO

McCauley C203 - 82 inch diameter 2-bladed propeller
 Diameter reduction allowable to 80.5 inches
 2000 hour / 6 year TBO

Advantages: Longer TBO
 Current design



Cessna 182S, 182T, T182T with IO-540-AB1A5, TIO-540-AK1A



Basic Kit:

Part Number: F3R00600STP
1 3-Bladed Propeller: HC-F3YR-1ARF/F8068
1 Polished Spinner: A-2295-3P
1 STC Document Set: SA03078CH

Kit with Electric de-ice:

Part Number: F3R00650STP
1 3-Bladed Propeller: HC-F3YR-1ARF/F8068K
1 Polished Spinner: A-2295-14P
1 Airframe de-ice kit: 104522
1 STC Document Set: SA03078CH

**CESSNA 182S, 182T, T182T**

Applicable Models: 182S, 182T, T182T

Specifications: 82 inch dia 3-bladed, **Scimitar**, aluminum, extended hub prop
Compatible De-ice (replaces 3 blade to 3 blade only)
2400 hour / 6 year TBO
86.0 pounds (propeller and spinner)
Diameter reduction allowable to 80 inches

Replaces:

McCauley C235 – 82 inch diameter 2-bladed propeller
Diameter reduction allowable to 80.0 inches
2400 hour / 6 year TBO

McCauley C431 79 inch diameter 3-bladed propeller
Diameter reduction allowable to 77.0 inches
2400 hour / 6 year TBO

McCauley C442 79 inch diameter 3-bladed propeller
Diameter reduction allowable to 77.0 inches
2400 hour / 6 year TBO

Advantages:

Improved climb performance - + 8.5% over 79" McCauley
Better cruise performance than 79" McCauley (2-4 knots)
Noise – 77.5 dB(a) measured per FAR 36, Appendix G, and
also meets ICAO Annex 16, Chapter 10 noise standards.
Improved appearance
Current design



Cessna A188, A188A, A188B With IO-520-D engine



Basic Kit:

Part Number: C3F00129STP

1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-6R

1 Polished Spinner: C-3535-1P

1 STC Document Set: SA00470AT

Aircraft Serial and registration numbers required when ordering
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CESSNA A188 SERIES

Applicable Models: A188, A188A, A188B

Specifications: 80 inch diameter 3-bladed, aluminum hub propeller
2000 hour / 3 year recommended TBO, for agricultural aircraft
81 pounds (propeller and spinner)
Diameter reduction allowable to 77 inches

Replaces:

McCauley C58 - 82 inch diameter 2-bladed prop
Diameter reduction allowable, 82 to 80 inches
1200 hour / 5 year TBO

McCauley C58 - 86 inch diameter 2-bladed prop
Diameter reduction allowable to 84 inches
Oil fill requirement per AD 91-15-04
1200-1500 hour / 5 year TBO

McCauley C98 - 82 inch diameter 2-bladed prop
Diameter reduction allowable, 82 to 80 inches
1200 hour / 5 year TBO

McCauley C98 - 86 inch diameter 2-bladed prop
Diameter reduction allowable, 86 to 84 inches
1200 hour / 5 year TBO

McCauley C90 - 80 inch diameter 3-bladed prop
Diameter reduction allowable, 80 to 78.5 inches
1200 hour / 5 years TBO

McCauley C205 - 86 inch diameter 2-blade prop
Diameter reduction allowable, 86 to 84.5 inches
1200 hour / 5 year TBO

McCauley C408 - 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78.5 inches
1200 hour / 5 year TBO

Advantages:

- vs. McCauley C58 and C98 2-bladed models
 - Better take off and climb performance
 - Dramatically lower noise
 - Less blade tip erosion
 - Current design, Mc threaded design obsolete
- vs. McCauley C90 3-bladed model
 - Better take off and climb performance
 - Current design, Mc threaded design obsolete
- vs. McCauley C205 2-bladed model
 - Dramatically lower noise
 - Less blade tip erosion
- vs. McCauley C408 3-bladed model
 - Better take-off and climb performance



**Cessna 206, U206, U206A, P206A, TP206A, TU206A thru F
(to s/n: U20602199), U206B thru G (to s/n: U206-04074)
With IO-520-A, -F, TSIO-520, -C, -M engine**



Basic Kit: U206B thru U206G (to s/n: U20604074) (78" diameter) (10° low pitch) (HC indexing)

Part Number: C3F00050STP*1

1 3-Bladed Propeller: HC-C3YF-1RF/F8468A-8R

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA685AL

Basic Kit: 206, U206, U206A, P206A, TP206A, TU206A thru F (to s/n: U20602199) (78" diameter) (11.5° low pitch) (HC indexing)

Part Number: C3F00053STP

1 3-Bladed Propeller: HC-C3YF-1RF/F8468A-8R

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA685AL

Basic Kit: U206B thru U206G (to s/n: U20604074) (78" diameter) (10° low pitch) (PHC indexing)

Part Number: C3F00131STP

1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-8R

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA685AL

Basic Kit: 206, U206, U206A, P206A, TP206A, TU206A thru F (to s/n: U20602199) (78" diameter) (11.5° low pitch) (PHC indexing)

Part Number: C3F00136STP

1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-8R

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA685AL

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge



CESSNA 206 SERIES

Applicable Models: 206, U206A-U206G (to S/N U20604074),
TU206 (to S/N U20602199), (T)P206A

Specifications: 78 inch diameter 3-bladed aluminum hub propeller
2400 hour / 6 year TBO
76 pounds (propeller and spinner)
Diameter reduction allowable to 77 inches

Replaces: McCauley C58, C78 - 82 inch diameter 2-bladed prop
Diameter reduction allowable to 80 inches
Oil fill requirement per AD 91-15-04
1200 - 1500 hours/5 year TBO

McCauley C79 - 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78 inches
1200 hours/5 year TBO

McCauley C90 - 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78 inches
1200 - 1500 hour/5 year TBO

Advantages:

- vs. McCauley C58, C78 2-bladed model
 - Better take-off and climb performance
 - Longer TBO
 - Dramatically lower noise
 - Less blade tip erosion
 - Current design, Mc threaded design obsolete
- vs. McCauley C79 3-bladed model
 - Longer TBO
 - Dramatically lower noise
 - Less blade tip erosion
 - Current design, Mc threaded design obsolete
- vs. McCauley C90 3-bladed model
 - Faster cruise speed
 - Lower noise
 - Longer TBO
 - Less blade tip erosion
 - Greater repair allowance
 - Current design, Mc threaded design obsolete



**Cessna 206, U206, U206A, P206A, TP206A, TU206A thru F
(to s/n: U20602199), U206B thru G (to s/n: U206-04074)
With IO-520-A, -F, TSIO-520, -C, -M engine**



Basic Kit: U206B through U206G (to s/n: U20604074) (80" diameter) (10° low pitch)

Part Number: C3F00119STP

1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-6R

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA685AL

Basic Kit: 206, U206, U206A, P206A, TP206A, TU206A thru F (to s/n: U20602199) (80" diameter) (11.5° low pitch)

Part Number: C3F00133STP

1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-6R

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA685AL

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CESSNA 206 SERIES

Applicable Models: 206, U206A - U206G (to S/N U20604074)
TU206 (to S/N U20602199), (T)P206A

*** Note: This propeller should be especially effective for aircraft operating on floats, out of short fields, or with heavy loads.**

Specifications: 80 inch diameter 3-bladed aluminum hub propeller
2400 hour / 6 year TBO
77 pounds (propeller and spinner)
Diameter reduction allowable to 77 inches

Replaces: McCauley C58, C78 - 82 inch diameter 2-bladed prop
Diameter reduction allowable to 80 inches
Oil fill requirement per AD 91-15-04
1200 - 1500 hours/5 year TBO

McCauley C79 - 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78 inches
1200 hours/5 year TBO

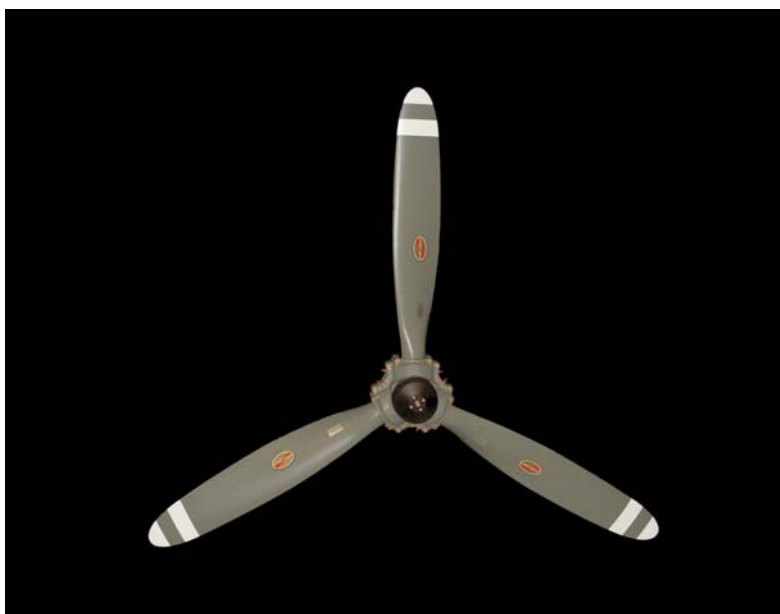
McCauley C90- 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78 inches
1200-1500 hour / 5 year TBO

Advantages:

- vs. McCauley C58, C78 2-bladed model
 - Better take-off and climb performance
 - Longer TBO
 - Lower noise
 - Less blade tip erosion
 - Current design, Mc threaded design obsolete
- vs. McCauley C79 3-bladed model
 - Longer TBO
 - Lower noise
 - Greater repair allowance
 - Current design, Mc threaded design obsolete
- vs. McCauley C90 3-bladed model
 - Lower noise
 - Longer TBO
 - Greater repair allowance
 - Current design, Mc threaded design obsolete



**Cessna U206G (s/n: U20604075 and up), P206 thru P206E,
TP206A thru TP206E, TU206F
(s/n: U206-02200 to U206-03521), TU206G
With IO-520-A, -F, TSIO-520, -C, -M engine**



Basic Kit: U206G (s/n: U206-04075 and up) (78" diameter) (10° low pitch)

Part Number: J3F00017STP

1 3-Bladed Propeller: PHC-J3YF-1RF/F8468A-8R

1 Polished Spinner: C-4582-P

1 STC Document Set: SA685AL

**Basic Kit: P206 thru P206E, TP206A thru TP206E, TU206F (s/n: U206-02200 to
U206-03521), TU206G (78" diameter) (11.5° low pitch)**

Part Number: J3F00011STP

1 3-Bladed Propeller: PHC-J3YF-1RF/F8468A-8R

1 Polished Spinner: C-4582-P

1 STC Document Set: SA685AL

**Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge**



CESSNA 206 SERIES

- Applicable Models:** U206G (from S/N U20604075)
TU206 (from S/N U20602200), (T)P206
- Specifications:** 78 inch diameter 3-bladed aluminum, extended hub propeller
2400 hour / 6 year TBO
78 pounds (propeller and spinner)
Diameter reduction allowable to 77 inches
- Replaces:** McCauley C64, C73 - 82 inch diameter 2-bladed prop
Diameter reduction allowable to 80 inches
Oil fill requirement per AD 91-15-04
1200 - 1500 hours/5 year TBO

McCauley C77, C88 - 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78 inches
1200 hours/5 year TBO

McCauley C402, C404 - 80 inch 3-bladed prop
Diameter reduction allowable to 78.5 inches
2000 hour / 6 year TBO
- Advantages:**
- vs. McCauley C64, C73 2-bladed model
 - Better take-off and climb performance
 - Longer TBO
 - Dramatically lower noise
 - Less blade tip erosion
 - Current design, Mc threaded design obsolete
 - vs. McCauley C77 3-bladed model
 - Longer TBO
 - Dramatically lower noise
 - Less blade tip erosion
 - Current design, Mc threaded design obsolete
 - vs. McCauley C88 3-bladed model
 - Faster cruise speed
 - Lower noise
 - Longer TBO
 - Less blade tip erosion
 - Greater repair allowance
 - Current design, Mc threaded design obsolete
 - vs. McCauley C402, C404 3-bladed model
 - Longer TBO
 - Increased ground clearance
 - Lower tip speed (reduced noise)



**Cessna U206G (s/n: U20604075 and up), P206 thru P206E,
TP206A thru TP206E, TU206F
(s/n: U206-02200 to U206-03521), TU206G
With IO-520-A, -F, TSIO-520, -C, -M engine**



Basic Kit: U206G (s/n: U20604075 and up) (80" diameter) (10° low pitch)

Part Number: J3F00016STP

1 3-Bladed Propeller: PHC-J3YF-1RF/F8468A-6R

1 Polished Spinner: C-4582-P

1 STC Document Set: SA685AL

**Basic Kit: P206 thru P206E, TP206A thru TP206E, TU206F (s/n: U206-02200 to U206-03521)
(80" diameter), TU206G (11.5° low pitch)**

Part Number: J3F00012STP

1 3-Bladed Propeller: PHC-J3YF-1RF/F8468A-6R

1 Polished Spinner: C-4582-P

1 STC Document Set: SA685AL

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CESSNA 206 SERIES

Applicable Models: U206G (from S/N U20604075)
TU206 (from S/N U20602200), (T)P206

*** Note: This propeller should be especially effective for aircraft operating on floats, out of short fields, or with heavy loads.**

Specifications: 80 inch diameter 3-bladed aluminum, extended hub propeller
2400 hour / 6 year TBO
79 pounds (propeller and spinner)
Diameter reduction allowable to 77 inches

Replaces: McCauley C64, C73 - 82 inch diameter 2-bladed prop
Diameter reduction allowable to 80 inches
Oil fill requirement per AD 91-15-04
1200 - 1500 hours/5 year TBO

McCauley C77, C88 - 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78 inches
1200 hour / 5 year TBO

McCauley C402, C404 - 80 inch diameter 3-blade prop
Diameter reduction allowable to 78.5 inches
2000 hour / 6 year TBO

Advantages: vs. McCauley C64, C73 2-bladed model
Better take-off and climb performance
Longer TBO
Lower noise
Less blade tip erosion
Current design, Mc threaded design obsolete
vs. McCauley C77, C88 3-bladed model
Longer TBO
Lower noise
Greater repair allowance
Current design, Mc threaded design obsolete
vs. McCauley C402, C404 3-bladed model
Longer TBO
Greater repair allowance



Cessna 207, 207A With IO-520-F engine



Basic Kit: (78" diameter)

Part Number: C3F00052STP

1 3-Bladed Propeller: HC-C3YF-1RF/F8468A-8R

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA696AL

Basic Kit: (80" diameter)

Part Number: C3F00119STP*1

1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-6R

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA696AL

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
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Installation and Dynamic Balancing available at an additional charge

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TOP
PROP
PERFORMANCE
CONVERSIONS



CESSNA 207 SERIES

Applicable Models: 207, 207A

Specifications: 78 or 80 inch diameter 3-bladed aluminum hub propeller
2400 hour / 6 year TBO
76 pounds (propeller and spinner)
Diameter reduction allowable to 77 inches

Replaces: McCauley C58, C78 - 82 inch diameter 2-bladed prop
Diameter reduction allowable to 80 inches
Oil fill requirement per AD 91-15-04
1200 - 1500 hours/5 year TBO

McCauley C79 - 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78 inches
1200 hours/5 year TBO

McCauley C90 - 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78 inches
1200 - 1500 hour/5 year TBO

Advantages:

- vs. McCauley C58, C78 2-bladed model
 - Better take-off and climb performance
 - Longer TBO
 - Dramatically lower noise
 - Less blade tip erosion
 - Current design, Mc threaded design obsolete
- vs. McCauley C79 3-bladed model
 - Longer TBO
 - Dramatically lower noise
 - Less blade tip erosion
 - Current design, Mc threaded design obsolete
- vs. McCauley C90 3-bladed model
 - Faster cruise speed
 - Lower noise
 - Longer TBO
 - Less blade tip erosion
 - Greater repair allowance
 - Current design, Mc threaded design obsolete



Cessna 208, 208A, 208B Caravan With PT6A-114, -114A engine

(Note: Please see reverse for photograph of propeller)

Kit with no anti/de-icing

Part Number: B3N00120STP
1 3-Bladed Propeller: HC-B3TN-3AF/T10890CN-2
1 Polished Spinner: D-4897-P

Kit with Electric De-ice: (w/o start-locks)

Part Number: B3N00119STP
1 3-Bladed Propeller: HC-B3TN-3AF/T10890CNK-2
1 Polished Spinner: D-4897-P
1 Electric De-ice kit (prop): 7931-5E2715-1

Kit with Electric De-ice: (w/o start-locks, replacing a McCauley)

Part Number: B3N00119STP*1
1 3-Bladed Propeller: HC-B3TN-3AF/T10890CNK-2
1 Polished Spinner: D-4897-P
1 Electric De-ice kit (prop): 7931-5E2715-1
1 Electric De-ice kit (airframe): 7931-5E2715-3

Basic Kit: (w/start-locks)

Part Number: B3N10010STP
1 3-Bladed Propeller: HC-B3TN-3AFY/T10890CN-2
1 Polished Spinner: D-4897-P

Kit with Electric De-ice: (w/start-locks)

Part Number: B3N10020STP
1 3-Bladed Propeller: HC-B3TN-3AFY/T10890CNK-2
1 Polished Spinner: D-4897-P
1 Electric De-ice kit (prop): 7931-5E2715-1

Kit with Electric De-ice: (w/ start-locks, replacing a McCauley)

Part Number: B3N10020STP*1
1 3-Bladed Propeller: HC-B3TN-3AFY/T10890CNK-2
1 Polished Spinner: D-4897-P
1 Electric De-ice kit (prop): 7931-5E2715-1
1 Electric De-ice kit (airframe): 7931-5E2715-3

Kit with Fluid Anti-ice:

Part Number: B3N21700STP
1 3-Bladed Propeller: HC-B3TN-3AF/T10890CNB-2
1 Polished Spinner: D-4897-2P
1 Anti-ice kit (prop): 105014

Kit with Fluid Anti-ice: (w/ start-locks)

Part Number: B3N21750STP
1 3-Bladed Propeller: HC-B3TN-3AFY/T10890CNB-2
1 Polished Spinner: D-4897-2P
1 Anti-ice kit (prop): 105014

ALL KITS INCLUDE STC DOCUMENT SET: SA02181AK

Aircraft Serial and registration numbers required when ordering

All Prices FOB Hartzell Propeller Inc.

Prices do not include Ohio State Sales Tax

Installation and Dynamic Balancing available at an additional charge

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CESSNA CARAVAN

Applicable Models: 208, 208A, 208B

Specifications: 106 inch diameter 3-bladed, steel hub propeller
 Diameter reduction allowable to 104 inches
 Weight of propeller = 146.7 lbs.
 Spinner = 9.0 lbs.
 Electric De-ice = 2.8 lbs.
 Anti-ice = 2.6 lbs.
 3000 hour / 5 year TBO

Replaces: McCauley C703 - 106 inch diameter 3-bladed prop
 Diameter reduction allowable to 104 inches
 Weight of propeller = 117.0 lbs.
 Spinner =
 Electric De-ice =
 4000 hour / 6 year TBO

Hartzell HC-B3MN - 100 inch diameter 3-bladed composite prop
 No diameter reduction allowable
 Weight of propeller = 134.7 lbs.
 Spinner = 9.0 lbs.
 Electric De-ice = 2.8 lbs.
 3000 hour / 5 year TBO

Advantages: Climb and cruise performance are as good as or slightly better than the McCauley C703 (+25 ft/min, +3kts measured)
 Take off distance, unchanged
 Greatest blade repair allowance available / longest life metal blade available for the Caravan
 Optional start-locks improve handling for float planes
 Both electric de-ice and fluid anti-ice kits maintain Flight Into Known Icing (FIKI).

Notes:

- Approved for landplane & seaplane
- Common electrical hardware not included in the de-ice kit
- Anti-ice kit compatible with TKS ice protection system.



Cessna 208, 208A, 208B Caravan With PT6A-114, -114A engine

Basic Kit:

Part Number: D4N00193STP
1 4-Bladed Propeller: HC-D4N-3R/D9511F
1 Polished Spinner: D-630-3P
1 STC Document Set: SA02092AK

Kit with Electric De-ice: (Replacing a Hartzell)

Part Number: D4N00192STP
1 4-Bladed Propeller: HC-D4N-3R/D9511FK
1 Polished Spinner: D-630-3P
1 Electric De-ice kit: B6844-1
1 STC Document Set: SA02092AK

Kit with Electric De-ice: (Replacing a McCauley)

Part Number: D4N00192STP *1
1 4-Bladed Propeller: HC-D4N-3R/D9511FK
1 Polished Spinner: D-630-3P
1 Electric De-ice kit: B6844
1 STC Document Set: SA02092AK

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge



CESSNA CARAVAN

Applicable Models: 208, 208A, 208B

Specifications: 96 inch diameter 4-bladed, aluminum hub propeller
Diameter reduction allowable to 95 inches
Weight increase (approximately):
14 lbs heavier than the McCauley C703
8 lbs heavier than the Hartzell HC-B3MN
4000 hour / 6 year TBO
Placard: "Stabilized ground operation is prohibited between 440 and 1060 RPM."

Replaces: McCauley C703 - 106 inch diameter 3-bladed prop
Diameter reduction allowable to 104 inches
4000 hours / 6 years TBO

Hartzell HC-B3MN - 100 inch diameter 3-bladed composite prop
No diameter reduction allowable
3000 hour / 5 year TBO

Advantages: 5 inches additional ground clearance over the McCauley C703
Longer TBO than Hartzell HC-B3MN
Reduced noise

Notes: Approved for landplanes only
Meets POH climb and cruise performance
Takeoff distance is approximately 5% longer (50 to 75 feet) at sea level and maximum weight
Common electrical hardware not included in the de-ice kit



Cessna 210 – 210C, 205, 205A With IO-470-E, -S engine



Basic Kit:

Part Number: C2F00355STP
1 2-Bladed Propeller: HC-C2YF-1BF/F8468A-2
1 Polished Spinner: C-3568-P
1 STC Document Set: SA02246CH-D

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
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**CESSNA 210**

Applicable Models: 210, 210A, 210B, 210C, 210-5 (205), 210-5A (205A), (IO-470-E, IO-470-S engine)

Note: Governor change may be necessary on some airplanes.

Specifications: 82 inch diameter 2-bladed, aluminum hub
2400 hour / 6 year TBO
60.5 pounds (propeller and spinner)
Diameter reduction allowable to 80 inches

Replaces:

Hartzell HC-A2XF-1/8433-2 82 inch steel hub propeller
Diameter reduction allowable to 80 inches
1000 hr. / 5 year TBO
68 pounds (propeller and spinner)
Subject to A.D. 97-18-02 Rev. 1

McCaughey C58/C49/C33 82 inch diameter 2-bladed propeller
Diameter reduction allowable to 80 inches
1200-1500 hours/5 year TBO
65/61.5 pounds (propeller and spinner)
Subject to AD 63-08-04 and/or 64-24-04

Advantages:

Current design
Longer TBO
No expensive or repetitive airworthiness directives
Very reasonably priced
Improved appearance



**Cessna 210F-N & T210F-L
With IO-520-A,J,L or TSIO-520-C,H engines**



Basic Kit:

Part Number: J3F00020STP
1 3-Bladed Propeller: PHC-J3YF-1RF/F7691
1 Polished Spinner: C-4582-P
1 STC Document Set: SA00773AT

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
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CESSNA 210

Applicable Models: 210 F,G,H,J,K,L,M,N (IO-520-A,J,L)
T210F,G,H,J,K,L (TSIO-520-C,H)
(NO 0-470 engines)

***Note:** The original STC was for the 210K, L, M & N models (IO-520-L only), STC was amended in late 2009.

****Note:** A newer, blended airfoil scimitar propeller is also available for some of these models.

Specifications: 78 inch dia 3-bladed, **scimitar**, aluminum, extended hub prop
2400 hour / 6 year TBO
77.3 pounds (propeller and spinner)
Diameter reduction allowable to 77 inches
Placard - "Do not exceed 20 inch of manifold pressure below 2200 RPM."

Replaces:

McCauley C70/73 – 82/83 inch diameter 2-bladed propeller
Diameter reduction allowable to 80 inches
1200-1500 hours/5 year TBO
Oil fill requirement per AD 91-15-04

McCauley C77/88 - 80 inch diameter 3-bladed propeller
Diameter reduction allowable to 78 inches
1200-1500 hours/5 year TBO

McCauley C404 - 82 inch diameter 3-bladed propeller
Diameter reduction allowable to 78.5 inches
1700 hours/5 year TBO

Advantages:

Better take-off and climb performance
Same or slightly better cruise performance
Longer TBO
Dramatically lower noise
Improved appearance
Less blade tip erosion
Current design



Cessna 310, 310A, B, C, D, E, F, G, H, E310H With O-470-M, IO-470-D engine



Basic Kit: 310, 310A, 310B

Part Number: C2F00416STP

2 2-Bladed Propellers: HC-C2YF-2CUF/FC8468-3

2 Polished Spinners: C-2285-4P

1 STC Document Set: SA00799CH

Basic Kit: 310(C-H), E310H

Part Number: C2F00418STP

2 2-Bladed Propellers: HC-C2YF-2CUF/FC8468-3

2 Polished Spinners: C-2285-4P

1 STC Document Set: SA00799CH

Kit with Alcohol Anti-ice: 310, 310A, 310B

Part Number: C2F00417STP

2 2-Bladed Propellers: HC-C2YF-2CUF/FC8468B-3

2 Polished Spinners: C-2285-4P

1 Alcohol Anti-ice kit: A-2374-1

1 STC Document Set: SA00799CH

Kit with Alcohol Anti-ice: 310(C-H), E310H

Part Number: C2F00419STP

2 2-Bladed Propellers: HC-C2YF-2CUF/FC8468B-3

2 Polished Spinners: C-2285-4P

1 Alcohol Anti-ice kit: A-2374-1

1 STC Document Set: SA00799CH

Aircraft Serial and registration numbers required when ordering
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CESSNA 310

Applicable Models: 310, 310A, 310B, 310C, 310D, 310E, 310F, 310G, 310H, E310H
 * Note: STC does not cover the C310 with the O-470-B engines

Specifications: 81 inch diameter 2-bladed, aluminum hub propeller
 2400 hour / 6 year TBO
 Diameter reduction allowable to 80 inches
 68 pounds each (propeller and spinner)
 Placard - "Do not exceed 20 inches of manifold pressure between 2100 and 2250 rpm".

Replaces: Hartzell HC-82XF-2 or HC-A2XF-2 - 84 to 78 inch diameter
 2-bladed steel hub propellers
 Diameter reduction allowable to 78 inches
 72 pounds each (propeller and spinner)
 Blade retention system inspection AD 97-18-02
 1000 hour / 5 year TBO
 McCauley C48 - 80 inch diameter 2-bladed propeller
 Diameter reduction allowable to 78 inches
 72 pounds each (propeller & spinner)
 1200 hour / 5 year TBO

Advantages: Aircraft empty weight decreases by 8 pounds
 Eliminates AD 97-18-02
 Current production design



**Cessna 310I, 310P, T310P, 310Q, T310Q, 310R,
T310R
With O-470, IO-470, IO-520, TSIO-520 engine**



Basic Kit:

Part Number: C3F00195STP
2 3-Bladed Propellers: PHC-C3YF-2UF/FC7663D-2R
2 Polished Spinners: C-4558-2P
1 STC Document Set: SA234CH

Kit with Electric De-ice: (TSIO/IO-520 engine)

Part Number: C3F00198STP
2 3-Bladed Propellers: PHC-C3YF-2UF/FC7663DB-2R
2 Polished Spinners: C-4558-2P
1 Electric De-ice kit (airframe): 7931-65-600-2
1 STC Document Set: SA234CH

Kit with Electric De-ice: (IO-470 engine)

Part Number: C3F00198STP*1
2 3-Bladed Propellers: PHC-C3YF-2UF/FC7663DB-2R
2 Polished Spinners: C-4558-2P
1 Electric De-ice kit (airframe): 7931-65-600-5
1 STC Document Set: SA234CH

Aircraft Serial and registration numbers required when ordering
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CESSNA 310

Applicable Models: 310I, 310P, T310P, 310Q, T310Q, 310R, T310R

Specifications: 76 inch dia. 3-bladed, aluminum hub prop
Diameter reduction allowable to 74 inches
2400 hour / 6 year TBO
88.6 pounds each (propeller and spinner)

Replaces: McCauley C52, C71 - 81 inch diameter 2-bladed prop
Diameter reduction allowable to 79 inches
66 pounds each (propeller & spinner)
1200 hour / 5 year TBO

McCauley C87, C504 - 78 inch diameter 3-bladed
Diameter reduction allowable to 74 inches
83 pounds each (propeller & spinner)
1200-1500 hour (C504 1600 hours) / 5 year TBO

Advantages:

- vs. 2-bladed props
 - Longer TBO
 - Lower noise
 - Improved appearance
 - Improved ground clearance, less blade tip erosion
 - Smoother overall operation
- vs. 3-bladed props
 - Eliminates McCauley C87 inspection requirements
 - Longer TBO
 - Improved ground clearance, less blade tip erosion



Cessna 310J, E310J, 310J-1, 310K, 310L, 310N With IO-470 engine



Basic Kit:

Part Number: J3F00072STP

2 3-Bladed Propellers: PHC-J3YF-2UF/FC7663D-2R

2 Polished Spinners: C-4558-2P

1 STC Document Set: SA234CH

Kit with Electric De-ice:

Part Number: J3F00075STP

2 3-Bladed Propellers: PHC-J3YF-2UF/FC7663DB-2R

2 Polished Spinners: C-4558-2P

1 Electric De-ice kit (airframe): 7931-65-600-5

1 STC Document Set: SA234CH

Aircraft Serial and registration numbers required when ordering
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CESSNA 310

Applicable Models: 310J, E310J, 310J-1, 310K, 310L, 310N

Specifications: 76 inch dia. 3-bladed, aluminum, extended hub prop
Diameter reduction allowable to 74 inches
2400 hour / 6 year TBO
92 pounds each (propeller and spinner)

Replaces: McCauley C65, C81 - 81 inch diameter 2-bladed prop
Diameter reduction allowable to 79 inches
66 pounds each (propeller & spinner)
1200-1500 hour / 5 year TBO

McCauley C80 - 78 inch diameter 3-bladed
Diameter reduction allowable to 74 inches
83 pounds each (propeller & spinner)
1200-1500 hour / 5 year TBO

Advantages:

- vs. 2-bladed props
 - Longer TBO
 - Lower noise
 - Improved appearance
 - Improved ground clearance, less blade tip erosion
 - Smoother overall operation
- vs. 3-bladed props
 - Longer TBO
 - Improved ground clearance, less blade tip erosion



Cessna 441 Conquest II With TPE331-8, -10N series engine



Basic Kit: (Replacing a Hartzell 3 blade or replacement of Hartzell 4 blade E4N00210STP kit)

Part Number: E4N00210STP

2 4-Bladed Propellers: HC-E4N-5A/E8501K

2 Polished Spinners: D-5319-P

1 Electric De-ice kit (prop): 7931-67-815-1 (Goodrich)

1 Electric De-ice kit (airframe): 7931-67-815-2 (Goodrich)

2 Prop Pitch Cams: 897602-1 (Garrett)

2 Seal Plugs: 3103328-1 (Garrett)

1 STC Document Set: SA00058AT

Basic Kit: (Replacing a McCauley 3 or 4 blade, or replacement of Hartzell 4 blade E4N00260STP kit)

Part Number: E4N00260STP

2 4-Bladed Propellers: HC-E4N-5B/E8501K

2 Polished Spinners: D-5319-P

1 Electric De-ice kit (prop): 7931-67-815-1 (Goodrich)

1 Electric De-ice kit (airframe): 7931-67-815-2 (Goodrich)

2 Prop Pitch Cams: 897602-1 (Garrett)

2 Seal Plugs: 3103328-1 (Garrett)

1 STC Document Set: SA00058AT

Aircraft Serial and registration numbers required when ordering

All Prices FOB Hartzell Propeller Inc.

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CESSNA CONQUEST II

Applicable Models: 441

Specifications: 86 inch dia. 4-bladed, aluminum hub prop
Diameter reduction allowable to 85 inches
4000 hour / 6 year TBO
147.5 pounds each (propeller and spinner)

Replaces: Hartzell HC-B3TN-5/T10178B-11 - 90 inch dia. 3-bladed prop
Diameter reduction allowable to 88.5 inches
139.7 pounds each (propeller & spinner)
3000 hour / 5 year TBO

McCauley C601 - 90 inch diameter 3-bladed prop
Diameter reduction allowable to 88.5 inches
125.5 pounds each (propeller & spinner)
3000 hour / 6 year TBO

Advantages:
Dramatically lower noise
Improved appearance
Improved ground clearance, less blade tip erosion
Smoother overall operation
Better take-off and climb performance
No beta tube change required



Cessna A185E, A185F With IO-520-D engine



Basic Kit: (78" Diameter) (HC Indexing)

Part Number: C3F00050STP

1 3-Bladed Propeller: HC-C3YF-1RF/F8468A-8R

1 Polished Spinner: C-3575-P

1 STC Document Set: SA1443NM

Basic Kit: (78" Diameter) (PHC Indexing)

Part Number: C3F00131STP*1

1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-8R

1 Polished Spinner: C-3575-P

1 STC Document Set: SA1443NM

Aircraft Serial and registration numbers required when ordering
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CESSNA 185

Applicable Models:

A185E, A185F

* Note: No engine mount change is required per the Hartzell STC paperwork. Changing to the heavier mounts, however, may be needed if vibration is experienced.

** Note: The STC paperwork only covers floats that were originally type certified on the aircraft.

Specifications:

78 inch diameter 3-bladed, aluminum hub propeller
2400 hour / 6 year TBO
78 pounds (propeller and spinner)
Diameter reduction allowable to 77 inches

Replaces:

McCauley C58 - 86 inch diameter 2-bladed prop
Diameter reduction allowable to 84.5 inches
Oil fill requirement per AD 91-15-04
1200-1500 hour / 5 year TBO

McCauley C403 - 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78.5 inches
2000 hour / 6 year TBO

Advantages:

vs. McCauley C58 2-bladed model
Better take off and climb performance
Longer TBO
Dramatically lower noise
Improved looks
Less blade tip erosion
Current design, Mc threaded design obsolete
vs. McCauley C403 3-bladed model
Better take-off and climb performance
Longer TBO
Lower noise
Less blade tip erosion
Current design, Mc threaded design obsolete



Cessna A185E, A185F With IO-520-D engine



Basic Kit: (80" Diameter)

Part Number: C3F00119STP

1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-6R

1 Polished Spinner: C-3575-P

1 STC Document Set: SA1443NM

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
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CESSNA 185

Applicable Models:

A185E, A185F

* Note: No engine mount change is required per the Hartzell STC paperwork. Changing to the heavier mounts, however, may be needed if vibration is experienced.

**Note: STC paperwork only covers floats that were originally type certified on the aircraft.

***Note: This propeller should be especially effective for aircraft operating on floats, out of short fields, or with heavy loads.

Specifications:

80 inch diameter 3-bladed, aluminum hub propeller
2400 hour / 6 year TBO
78 pounds (propeller and spinner)
Diameter reduction allowable to 79 inches

Replaces:

McCauley C58 - 86 inch diameter 2-bladed prop
Diameter reduction allowable to 84.5 inches
Oil fill requirement per AD 91-15-04
1200-1500 hour / 5 year TBO

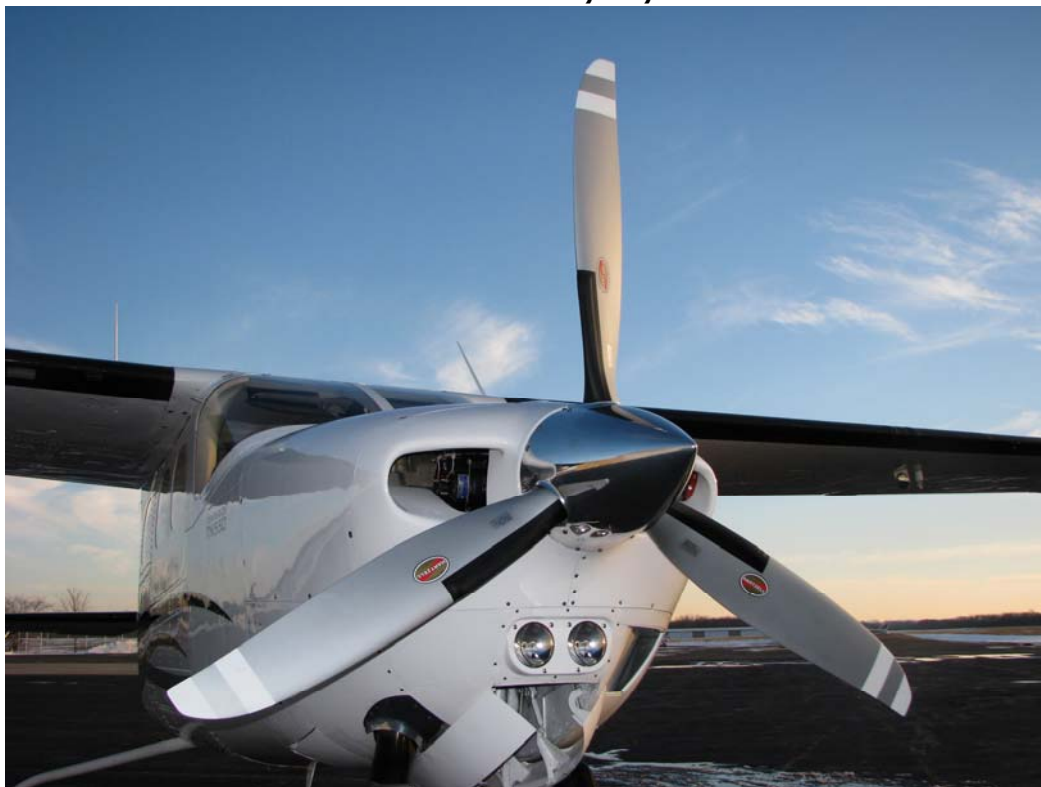
McCauley C403 - 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78.5 inches
2000 hour / 6 year TBO

Advantages:

vs. McCauley C58 2-bladed model
Better take off and climb performance
Longer TBO
Dramatically lower noise
Less blade tip erosion
Current design, Mc threaded design obsolete
vs. McCauley C403 3-bladed model
Better take-off and climb performance
Longer TBO



Cessna T210M, T210N, & P210N TSIO-520-R, P, AF



Basic Kit:

Part Number: J3F00551STP

1 3-Bladed Propeller: HC-J3YF-1RF/F8068

1 Polished Spinner: C-4582-1P

1 STC Document Set: SA02821CH

Kit with Electric de-ice:

Part Number: J3F00602STP

1 3-Bladed Propeller: HC-J3YF-1RF/F8068B

1 Polished Spinner: C-4582-1P

1 Propeller de-ice kit: 103262

1 Airframe de-ice kit: 103308

1 STC Document Set: SA02821CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

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CESSNA T210M, T210N, P210N

Applicable Models: T210M, T210N, and P210N

Specifications: 82 inch dia 3-bladed, **scimitar**, aluminum, extended hub prop
2400 hour / 6 year TBO
84.75 pounds (propeller and spinner)
Diameter reduction allowable to 78 inches

Replaces:

McCauley 402 – 80 inch diameter 3-bladed propeller
Diameter reduction allowable to 78.5 inches
1200-1500 hours/5 year TBO

McCauley C88 - 80 inch diameter 3-bladed propeller
Diameter reduction allowable to 78.5 inches
1200-1500 hours/5 year TBO

Advantages:

Better T.O and climb performance - 4% decrease in time to climb 23K
Better cruise performance than C402 (1 - 3 knots)
Noise reduction
Longer TBO
Improved appearance
Current design



**Cessna R172K Hawk XP
With IO-360-K, -KB engine
Or IO-360-KC, -KBC engine (Isham STC)**



Basic Kit:

Part Number: C3F00067STP
1 3-Bladed Propeller: HC-C3YF-1RF/F7392
1 Polished Spinner: A-2295-1P
1 STC Document Set: SA2078CH

Basic Kit: (Isham STC)

Part Number: C3F00069STP
1 3-Bladed Propeller: HC-C3YF-1RF/F7392
1 Polished Spinner: A-2295-1P
1 STC Document Set: SA2078CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
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CESSNA

Applicable Models: R172K "Hawk XP" (S/N R1722000 and on, 1977 through 1981 models)

Specifications: 75-inch diameter 3-bladed aluminum hub propeller
2400 hour / 6 year TBO
74.4 pounds (propeller and spinner)
Diameter reduction allowable to 72 inches

Replaces: McCauley 2A34C203/90DCA-14, 2A34C203/90DCA-10
2000 hour / 6 year TBO
51.9 pounds (propeller and spinner)

Advantages:

- Takeoff acceleration to 55 KIAS is improved.
- Full-power, best-rate climb performance below 10,000 is improved.
- Cruise speeds at 60-80% power settings increase 1-3 Knots.
- This STC is compatible with the Isham STCs (SA1437CE & SE1436CE) that increase the engine rating up to 210 Hp.
- Longer TBO than McCauley 2-blade
- Improved appearance, Scimitar-style blade planform
- Diameter reduction allowable in event of tip damage
- Compatible with Wipline 2350 Amphibious or Seaplane floats.



Cessna R182, FR182, TR182 with O-540-J3C5D. or O-540-L3C5D



Basic Kit:

Part Number: C3R02004STP
1 3-Bladed Propeller: HC-C3YR-1RF/F8068
1 Polished Spinner: A-2295-3P
1 STC Document Set: SA03078CH

Kit Eligibility:

R182 S/N R18200001 through R18201313.
FR 182 S/N FR18200001 through FR00045.

Optional: 100803 Balance Weight Kit
REF: Cessna Service Kit SK182-72A eligibility TR182
s/n R18200584 though R18201313 only, per TCDS
3A13.



CESSNA R182, FR182, TR182

Applicable Models: R182, FR182, TR182 s/n R18200001 through R18201313, and FR18200001 through FR00045

Specifications: 82 inch dia 3-bladed, **Scimitar**, aluminum, extended hub prop
2400 hour / 6 year TBO
85.0 pounds (propeller and spinner)
Diameter reduction allowable to 80 inches

Replaces:

McCauley C214 – 82 inch diameter 2-bladed propeller
Diameter reduction allowable to 80.5 inches
2400 hour / 6 year TBO

McCauley C217 82 inch diameter 2-bladed propeller
Diameter reduction allowable to 80.5 inches
2400 hour / 6 year TBO

McCauley C407 79 inch diameter 3-bladed propeller
Diameter reduction allowable to 78.0 inches
2400 hour / 6 year TBO

McCauley C433 79 inch diameter 3-bladed propeller
Diameter reduction allowable to 77.0 inches
2400 hour / 6 year TBO

Advantages:

Improved climb performance - + 8.5% over 79" McCauley
Better cruise performance than 79" McCauley (2-4 knots)
Noise – 77.5 dB(a) measured per FAR 36, Appendix G, and also meets ICAO Annex 16, Chapter 10 noise standards.
Improved appearance
Current design



Cessna R182, FR182, TR182, and T182 with O-540-J3C5D. or O-540-L3C5D



Basic Kit:

Part Number: I3R00203STP
1 3-Bladed Propeller: HC-I3YR-1RF/F8068
1 Polished Spinner: D-6750-P
1 STC Document Set: SA03078CH

Kit with electric De-ice:

Part Number: I3R00250STP
1 3-Bladed Propeller: HC-I3YR-1RF/F8068B
1 Polished Spinner: 105012P
1 Airframe De-ice Kit: 104996
1 STC Document Set: SA03078CH

Kit Eligibility:

R182, TR182 S/N R18201314 through R18202041.
FR 182 S/N FR18200046 through FR00070.
T182 S/N 18267716 through 18268368, and
182-68369 through 182-68541.

Optional: 1 100800 Balance Weight Kit
REF: Cessna Service Kit SK182-71E.
See next page for eligibility details.



CESSNA R182, FR182, TR182, T182

Applicable Models: R182, FR182, TR182 and T182 s/n R18201314 through R18202041, FR18200046 through FR00070, and T182 18267716 through 18268368, and 182-68369 through 182-68541.

Specifications: 82 inch dia 3-bladed, **Scimitar**, aluminum, extended hub prop
Compatible De-ice:(Replaces 3 blade to 3 blade only)
2400 hour / 6 year TBO
85.0 pounds (propeller and spinner)
Diameter reduction allowable to 80 inches

Replaces:

McCauley C218 – 82 inch diameter 2-bladed propeller
Diameter reduction allowable to 80.5 inches
2400 hour / 6 year TBO

McCauley C219 82 inch diameter 2-bladed propeller
Diameter reduction allowable to 80.5 inches
2400 hour / 6 year TBO

McCauley C407 79 inch diameter 3-bladed propeller
Diameter reduction allowable to 78.0 inches
2400 hour / 6 year TBO

McCauley C431 79 inch diameter 3-bladed propeller
Diameter reduction allowable to 77.0 inches
2400 hour / 6 year TBO

Advantages:

Improved climb performance - + 8.5% over 79" McCauley
Better cruise performance than 79" McCauley (2-4 knots)
Noise – 77.5 dB(a) measured per FAR 36, Appendix G, and also meets ICAO Annex 16, Chapter 10 noise standards.
Improved appearance
Current design

Notes:

Balance Weight Kit eligibility per SK182-71E:

R182 s/n R18201314 through R18201628,
FR82 s/n FR18200046 through FR18200070,
TR182 R18201314 through R18201628,
R182 s/n R18201629 through R18202041 (per TCDS 3A13, Rev. 69),
TR182 s/n R18201629 and later (per TCDS 3A13, Rev. 69).



Cessna T206H with TIO-540-AJ1A



Basic Kit:

Part Number: F3R00601STP

1 3-Bladed Propeller: HC-F3YR-1ARF/F8068

1 Polished Spinner: D-4578-1P

1 STC Document Set: SA03162CH

Kit with Electric de-ice:

Part Number: F3R00651STP

1 3-Bladed Propeller: HC-F3YR-1ARF/F8068K

1 Polished Spinner: D-4578-1P

1 Airframe de-ice kit: 104522

1 STC Document Set: SA03162CH



CESSNA T206H

Applicable Models: T206H

Specifications: 82 inch dia 3-bladed, **Scimitar**, aluminum, extended hub prop
Compatible De-ice (replaces 3 blade to 3 blade only)
2400 hour / 6 year TBO
86.0 pounds (propeller and spinner)
Diameter reduction allowable to 80 inches

Replaces: McCauley C432 79 inch diameter 3-bladed propeller
Diameter reduction allowable to 77.0 inches
2400 hour / 6 year TBO

Advantages:

- Improved climb performance - + 10% (60 fpm) over 79" McCauley at maximum gross weight.
- Better cruise performance than 79" McCauley (1-4 knots delta improves with altitude).
- Noise – 81.2 dB(a) measured per FAR 36, Appendix G.
- Compatible De-ice



Cessna T207, T207A With TSIO-520-G, -M engine



Basic Kit: (80" diameter)

Part Number: C3F00139STP

1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-6R

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA696AL

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

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CESSNA T207 SERIES

Applicable Models: T207, T207A

Specifications: 80 inch diameter 3-bladed aluminum hub propeller
2400 hour / 6 year TBO
79 pounds (propeller and spinner)
Diameter reduction allowable to 78 inches

Replaces: (T207) McCauley C78 - 81.5 inch diameter 2-bladed prop
Diameter reduction allowable to 80.5 inches
Oil fill requirement per AD 91-15-04
1200 - 1500 hour / 5 year TBO

(T207) McCauley C90 - 80 inch diameter 3-bladed prop
Diameter reduction allowable to 79 inches
1200 - 1500 hour / 5 year TBO

(T207A) McCauley C401 - 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78.5 inches
2000 hour / 6 year TBO

Advantages:

vs. McCauley C78 2-bladed model
Better take-off and climb performance
Longer TBO
Lower noise
Less blade tip erosion
Current design, Mc threaded design obsolete

vs. McCauley C90 3-bladed model
Longer TBO
Greater repair allowance
Current design, Mc threaded design obsolete

vs. McCauley C401 3-bladed model
Longer TBO
Greater repair allowance



Cessna U206B – U206G (s/n U20604074) with IO-520-F engine



Basic Kit:

Part Number: C3F07550STP

1 3-Bladed Propeller: HC-C3YF-1RF/F8068-2

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA02821CH

Aircraft Serial and registration numbers required when ordering
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CESSNA 206 (IO-520 powered)

Applicable Models: U206B through U206G (s/n U20604074). (IO-520-F)

Specifications: 80 inch dia 3-bladed, **scimitar**, aluminum hub prop
2400 hour / 6 year TBO
82 pounds (propeller and spinner)
Diameter reduction allowable to 78 inches

Replaces: McCauley C58 /C78 – 82 - 86 inch diameter 2-bladed prop
Oil fill requirement per AD 91-15-04
1200-1500 hour / 5 year TBO

McCauley C79 / C90 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78.5 inches
2000 hour / 6 year TBO

Advantages:
Improved take-off and climb performance
Dramatic noise reduction
Longer TBO
Improved appearance
Latest hub design and “blended airfoil”, Scimitar blades



Cessna Late U206G (s/n U20604075 and after) with IO-520-F engine



Basic Kit:

Part Number: J3F00501STP

1 3-Bladed Propeller: HC-J3YF-1RF/F8068-2

1 Polished Spinner: C-4582-1P

1 STC Document Set: SA02821CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

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CESSNA 206 (IO-520 powered)

Applicable Models: U206G (s/n U20604075 and after). (IO-520-F)

Specifications: 80 inch dia 3-bladed, **scimitar**, aluminum hub prop
2400 hour / 6 year TBO
84.75 pounds (propeller and spinner)
Diameter reduction allowable to 78 inches

Replaces: McCauley C404 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78.5 inches
2400 hour / 6 year TBO

Advantages:
Improved take-off and climb performance
Dramatic noise reduction
Longer TBO
Improved appearance
Latest hub design and "blended airfoil", Scimitar blades



Cessna 210 thru 210C, 210-5, and 210-5A with IO-470-E or -S engine



Basic Kit:

Part Number: C3F01901STP

1 3-Bladed Propeller: PHC-C3YF-1RF/F8068

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA02821CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

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CESSNA 210 (IO-470 powered)

Applicable Models: 210 thru 210C, 210-5, and 210-5A (IO-470-E, -S)

Specifications: 82 inch dia 3-bladed, **scimitar**, aluminum hub prop
2400 hour / 6 year TBO
82 pounds (propeller and spinner)
Diameter reduction allowable to 78 inches

Replaces:

McCauley C33/C34/C58/C49 – 82 inch diameter
2- bladed propeller
Diameter reduction allowable to 80.0 inches
1200-1500 hours/5 year TBO
Oil fill requirement per AD 91-15-04

McCauley C435 – 80 inch diameter
3- bladed propeller
Diameter reduction allowable to 78.0 inches
2400 hours/6 year TBO

Advantages:

Improved take-off and climb performance
Dramatic noise reduction
Longer TBO
Improved appearance
Latest hub design and “blended airfoil”, Scimitar blades



Cessna 210D with IO-520-A engine



Basic Kit:

Part Number: C3F07100STP

1 3-Bladed Propeller: HC-C3YF-1RF/F8068

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA02821CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
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CESSNA 210D

Applicable Models: 210D (IO-520-A)

Specifications: 82 inch dia 3-bladed, **scimitar**, aluminum hub prop
2400 hour / 6 year TBO
82 pounds (propeller and spinner)
Diameter reduction allowable to 78 inches

Replaces:

McCauley C58 – 82 inch diameter
2- bladed propeller
Diameter reduction allowable to 80.0 inches
1200-1500 hours/5 year TBO
Oil fill requirement per AD 91-15-04

McCauley C230 – 82 inch diameter
2 bladed propeller
Diameter reduction allowable to 80.0 inches
2400 hours/6 year TBO

Advantages:

Improved take-off and climb performance
Dramatic noise reduction
Longer TBO
Improved appearance
Latest hub design and “blended airfoil”, Scimitar blades



Cessna 210E-J, T210F – L with IO-520-A, -J, TSIO-520-C, -H engine



Basic Kit:

Part Number: J3F00552STP

1 3-Bladed Propeller: HC-J3YF-1RF/F8068

1 Polished Spinner: C-4582-1P

1 STC Document Set: SA02821CH

Kit with Electric de-ice (28 volt system only):

Part Number: J3F00601STP or J3F00601STP*1

1 3-Bladed Propeller: HC-J3YF-1RF/F8068B

1 Polished Spinner: C-4582-1P

1 Propeller de-ice kit: 103262

1 Airframe de-ice kit: 103307 or 103308

1 STC Document Set: SA02821CH

Aircraft Serial and registration numbers required when ordering
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**CESSNA 210, T210**

Applicable Models: 210E-J (IO-520-A, -J engine), T210F-K, T210L (TSIO-520-C, -H engine)

***De-ice note: 28volt 3 blade to 3 blade electric de-ice system only. Aircraft must have been previously equipped with de-ice. Electric de-ice kit eligible on model T210L only.**

Aircraft s/n 21059503 through 21061141 require a 103307 airframe kit which includes new slip ring, modular brush block assy, etc. Aircraft s/n 21061142 through 21061573 requires a 103308 airframe kit which utilizes all major components of the aircraft's original propeller de-ice system. A J3F00601STP*1 kit should be ordered for the earlier serial number range.

Specifications: 82 inch dia 3-bladed, **scimitar**, aluminum, extended hub prop
2400 hour / 6 year TBO
84.75 pounds (propeller and spinner)
Diameter reduction allowable to 78 inches

Replaces: McCauley C70/C73 – 82/83 inch diameter 2-bladed propeller
Diameter reduction allowable to 80 inches
1200-1500 hours/5 year TBO
Oil fill requirement per AD 91-15-04

McCauley C77/C88 - 80 inch diameter 3-bladed propeller
Diameter reduction allowable to 78 inches
1200-1500 hours/5 year TBO

Advantages:
Better take-off and climb performance
Better cruise performance
Noise reduction
Longer TBO
Improved appearance
Current design



Cessna 210K thru 210N with IO-520-L engine



Basic Kit:

Part Number: J3F00501STP
1 3-Bladed Propeller: HC-J3YF-1RF/F8068-2
1 Polished Spinner: C-4582-1P
1 STC Document Set: SA02821CH

Kit with Electric de-ice (28 volt system only):

Part Number: J3F00650STP or J3F00650STP*1
1 3-Bladed Propeller: HC-J3YF-1RF/F8068B-2
1 Polished Spinner: C-4582-1P
1 Propeller de-ice kit: 103262
1 Airframe de-ice kit: 103307 or 103308
1 STC Document Set: SA02821CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

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CESSNA 210K, 210L, 210M, 210N

Applicable Models: 210K through 210N (IO-520-L engine)

***De-ice note: 28volt 3 blade to 3 blade electric de-ice system only. Aircraft must have been previously equipped with de-ice. Electric de-ice kit eligible on model 210L and later.**

Aircraft s/n 21059503 through 21061141 require a 103307 airframe kit which includes new slip ring, modular brush block assy, etc. Aircraft s/n 21061142 and after require a 103308 airframe kit which utilizes all major components of the aircraft's original propeller de-ice system.

Specifications: 80 inch dia 3-bladed, **scimitar**, aluminum, extended hub prop
2400 hour / 6 year TBO
84.75 pounds (propeller and spinner)
Diameter reduction allowable to 78 inches

Replaces:

McCauley C73/203 82 inch diameter 2-bladed propeller
Diameter reduction allowable to 80 inches
1200-1500 hours/5 year TBO or
2400 hours / 6 years
Oil fill requirement per AD 91-15-04

McCauley C88/C404 - 80 inch diameter 3-bladed propeller
Diameter reduction allowable to 78.5 inches
1200-1500 hours/5 year TBO or
2400 hours / 6 years

Advantages:

Better take-off and climb performance
Better cruise performance
Noise reduction
Longer TBO
Improved appearance
Current design



Cessna 180 thru 180K with O-470-A, -K, -J, -L, -R, -S, -U engine



Basic Kit:

Part Number: C3F01901STP (O-470-A, -K, J, L, -R, -S engine)

1 3-Bladed Propeller: PHC-C3YF-1RF/F8068

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA02821CH

Part Number: C3F07101STP (O-470-U engine)

1 3-Bladed Propeller: HC-C3YF-1RF/F8068

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA02821CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

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CESSNA 180

Applicable Models: 180 thru 180K (O-470-A, -K, -J, -L, -R, -S, -U)

Specifications: 82 inch dia 3-bladed, **scimitar**, aluminum hub prop
2400 hour / 6 year TBO
82 pounds (propeller and spinner)
Diameter reduction allowable to 78 inches

Replaces:

McCauley C1, C18, C29, C50, C66 88/82 inch diameter
2- bladed propeller
Diameter reduction allowable to 86.0/80.0 inches
1200-1500 hours/5 year TBO
Oil fill requirement per AD 91-15-04

McCauley C203 – 88/82 inch diameter
2- bladed propeller
Diameter reduction allowable to 86.5/80.5 inches
2400 hours/6 year TBO

McCauley C204 – 90/82 inch diameter
2- bladed propeller
Diameter reduction allowable to 88.5/80.5 inches
2400 hours/6 year TBO

McCauley C435 – 80.0 inch diameter
3- bladed propeller
Diameter reduction allowable to 78.0 inches
2400 hours/6 year TBO

Advantages:

Improved take-off and climb performance
Dramatic noise reduction
Longer TBO
Improved appearance
Latest hub design and “blended airfoil”, Scimitar blades



Cessna 182 thru 182R, and Cessna/Reims F182P & Q with O-470-A -L, -R, -S, and -U engine



Basic Kit:

Part Number: G3F00801STP (O-470-L, -R, -S engine)

1 3-Bladed Propeller: PHC-G3YF-1RF/F8068

1 Polished Spinner: D-4798-3P (182 -182G) or D-4798-1P (182H-P)

1 STC Document Set: SA02821CH

Part Number: G3F00504STP (O-470-U engine)

1 3-Bladed Propeller: HC-G3YF-1RF/F8068

1 Polished Spinner: D-4798-1P (182Q, R)

1 STC Document Set: SA02821CH

Aircraft Serial and registration numbers required when ordering
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CESSNA 182

Applicable Models: 182 thru 182R and F182Q & R(O-470-L, -R, -S, -U)
*** Governor change may be required when replacing original steel hub Hartzell.**

Specifications: 82 inch dia 3-bladed, **scimitar**, aluminum hub prop
 2400 hour / 6 year TBO
 83 pounds (propeller and spinner)
 Diameter reduction allowable to 78 inches

Replaces:
 Hartzell 82XF- 82 inch diameter, 2-bladed steel hub propeller
 Diameter reduction allowable to 80 inches
 1000 hour / 5 year TBO

McCauley 2A36C - 82 inch diameter 2-bladed propeller
 Diameter reduction allowable to 80 inches
 1000-1500 hours/5 year TBO

McCauley 2A34C - 82 inch diameter 2-bladed propeller
 Diameter reduction allowable to 80 inches
 1000-1500 hours/5 year TBO

McCauley C66 - 82 inch diameter 2-bladed propeller
 Diameter reduction allowable to 80 inches
 1200-1500 hours/5 year TBO

McCauley C201 - 82 inch diameter 2-bladed propeller
 Diameter reduction allowable to 80 inches
 1500 hours/5 year TBO

McCauley C203 - 82 inch diameter 2-bladed propeller
 Diameter reduction allowable to 80.5 inches
 2000 hour / 6 year TBO

McCauley C204 - 82 inch diameter 2-bladed propeller
 Diameter reduction allowable to 80.5 inches
 2000 hour / 6 year TBO

Advantages:
 Improved take-off and climb performance
 Dramatic noise reduction
 Longer TBO
 Improved appearance
 Latest hub design and “blended airfoil”, Scimitar blades



Cessna 185 thru 185E with IO-470-F engine



Basic Kit:

Part Number: C3F01904STP

1 3-Bladed Propeller: PHC-C3YF-1RF/F8068

1 Polished Spinner: C-3575-P

1 STC Document Set: SA02821CH

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CESSNA 185 (IO-470 powered)

Applicable Models: 185 thru 185E (IO-470-F)

Specifications: 82 inch dia 3-bladed, **scimitar**, aluminum hub prop
2400 hour / 6 year TBO
82 pounds (propeller and spinner)
Diameter reduction allowable to 78 inches

Replaces:

McCauley C33/C49/C48/C58 – 88 inch diameter
2- bladed propeller
Diameter reduction allowable to 80.5 inches
1200-1500 hours/5 year TBO
Oil fill requirement per AD 91-15-04

McCauley C230 – 88 inch diameter
2- bladed propeller
Diameter reduction allowable to 80.5 inches
2400 hours/6 year TBO

Advantages:

Improved take-off and climb performance
Dramatic noise reduction
Longer TBO
Improved appearance
Latest hub design and “blended airfoil”, Scimitar blades



**Cessna 206, 206A, TU206A – TU206F s/n
U20602199, P206A, and TP206A (replacing C78,
C79, C90 only) with IO-520-A or TSIO-520-C engine**



Basic Kit:

Part Number: C3F07100STP

1 3-Bladed Propeller: HC-C3YF-1RF/F8068

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA02821CH

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CESSNA 206 (IO-520 powered)

Applicable Models: U206, U206A, TU206A – TU206F s/n U20602199, P206A, and TP206A (replacing C78, C79, C90 only). (IO-520-A or TSIO-520C)

Specifications: 82 inch dia 3-bladed, **scimitar**, aluminum hub prop
2400 hour / 6 year TBO
82 pounds (propeller and spinner)
Diameter reduction allowable to 78 inches

Replaces: McCauley C58 /C78 – 82 - 88 inch diameter 2-bladed prop
Oil fill requirement per AD 91-15-04
1200-1500 hour / 5 year TBO

McCauley C79 / C90 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78.5 inches
2000 hour / 6 year TBO

Advantages:
Improved take-off and climb performance
Dramatic noise reduction
Longer TBO
Improved appearance
Latest hub design and “blended airfoil”, Scimitar blades



Cessna 207, 207A with IO-520-F engine



Basic Kit:

Part Number: C3F07550STP

1 3-Bladed Propeller: HC-C3YF-1RF/F8068-2

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA02821CH

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CESSNA 207 (IO-520 powered)

Applicable Models: 207, 207A (IO-520-F)

Specifications: 80 inch dia 3-bladed, **scimitar**, aluminum hub prop
2400 hour / 6 year TBO
82 pounds (propeller and spinner)
Diameter reduction allowable to 78 inches

Replaces: McCauley C58 – 82 inch diameter 2-bladed prop
Oil fill requirement per AD 91-15-04
1200-1500 hour / 5 year TBO

McCauley C90 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78.5 inches
2000 hour / 6 year TBO

McCauley C404 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78.5 inches
2400 hour / 6 year TBO

Advantages:
Improved take-off and climb performance
Dramatic noise reduction
Longer TBO
Improved appearance
Latest hub design and “blended airfoil”, Scimitar blades



Cessna A185E & A185F with IO-520-D engine



Basic Kit:

Part Number: C3F07551STP

1 3-Bladed Propeller: HC-C3YF-1RF/F8068-2

1 Polished Spinner: C-3575-P

1 STC Document Set: SA02821CH

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CESSNA A185 (IO-520 powered)

Applicable Models: A185E, A185F (IO-520-D)

Note: No engine mount change is required per the Hartzell STC paperwork. Changing to the heavier mounts, however, may be needed if vibration is experienced.

Specifications: 80 inch dia 3-bladed, **scimitar**, aluminum hub prop
2400 hour / 6 year TBO
82 pounds (propeller and spinner)
Diameter reduction allowable to 78 inches

Replaces: McCauley C58 - 86 inch diameter 2-bladed prop
Diameter reduction allowable to 84.5 inches
Oil fill requirement per AD 91-15-04
1200-1500 hour / 5 year TBO

McCauley C403 - 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78.5 inches
2000 hour / 6 year TBO

Advantages:
Improved take-off and climb performance
Dramatic noise reduction
Longer TBO
Improved appearance
Latest hub design and "blended airfoil", Scimitar blades



Cessna A185E, A185F With IO-520-D engine



Basic Kit: (84" Diameter)

Part Number: C3F00047STP

1 3-Bladed Propeller: HC-C3YF-1RF/F8468A-2R – Gray blades (pictured)

1 Polished Spinner: C-3575-P

1 STC Document Set: SA02528CH-D

Basic Kit: (86" Diameter)

Part Number: C3F00045STP

1 3-Bladed Propeller: HC-C3YF-1RF/F8468AR(*1) – Black blades

1 Polished Spinner: C-3575-P

1 STC Document Set: SA02528CH-D

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CESSNA 185

Applicable Models: A185E, A185F

* Note: No engine mount change is required per the Hartzell STC paperwork. Changing to the heavier mounts, however, may be needed if vibration is experienced.

**Note: STC paperwork only covers floats that were originally type certified on the aircraft.

***Note: This propeller should be especially effective for aircraft operating on floats, out of short fields, or with heavy loads.

Specifications:

84 - 86 inch diameter 3-bladed, aluminum hub propeller
 2400 hour / 6 year TBO
 82 pounds (propeller and spinner)
 Diameter reduction allowable to 80 inches
 Maximum RPM on both propellers, 2700 RPM

- 84" No RPM restriction
- Placard – "Continuous operation is prohibited above 26 inches MP between 2250 – 2450 RPM" (86" diameter only)

Replaces:

McCauley C58 - 86 inch diameter 2-bladed prop
 Diameter reduction allowable to 84.5 inches
 Oil fill requirement per AD 91-15-04
 1200-1500 hour / 5 year TBO

McCauley C403 - 80 inch diameter 3-bladed prop
 Diameter reduction allowable to 78.5 inches
 2000 hour / 6 year TBO

Advantages:

vs. McCauley C58 2-bladed model
 Better take-off performance
 Longer TBO
 Current design, Mc threaded design obsolete

vs. McCauley C401 3-bladed model
 Better take-off performance
 Longer TBO

vs. McCauley C403 3-bladed model
 Better take-off performance
 8.2% decrease in time to accelerate to 50 KIAS
 Longer TBO



**Cessna 206, P206(A), U206 – U206F & U206G
through s/n U206004074, TP206A, TU206A – TU206E
& TU206F through s/n U20602199
With IO-520-A, F, TSIO-520-C**



Basic Kit: (82" Diameter) Landplane

Part Number: C3F00046STP

1 3-Bladed Propeller: HC-C3YF-1RF/F8468A-4R

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA02752CH-D

Basic Kit: (84" Diameter) Floatplane

Part Number: C3F00042STP

1 3-Bladed Propeller: HC-C3YF-1RF/F8468A-2R

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA02752CH-D

Basic Kit: (86" Diameter) Floatplane

Part Number: C3F00043STP

1 3-Bladed Propeller: HC-C3YF-1RF/F8468AR

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA02752CH-D

SEE PAGE 2 FOR EXPLICIT ELIGIBILITY AND LIMITATIONS

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CESSNA 206

Applicable Models: Floatplane Props (84 – 86") 206, P206(A), U206 – U206F & U206G through s/n U206004074, TP206A, TU206A – TU206E & TU206F through s/n U20602199.

Landplane Prop (82") 206, P206A, U206, U206A, TP206A, TU206A though TU206F though s/n 20602199.

Note: Replaces short hub C58, C78, C79, C90, and C230 only.

Specifications: 82 - 86 inch diameter 3-bladed, aluminum hub propeller
2400 hour / 6 year TBO
82.2/82.4/82.6 pounds (propeller and spinner)
Two inch diameter reduction allowable
Maximum RPM 2700
-TU206C, D, E and F using 86" (P)HC-C3YR-1RF/F8468AR are limited to 2690 RPM under this STC for noise certification
-U206B through U206G using IO-520-F engine, take-off and max continuous RPM is limited to 2700 RPM
- Placard (normally aspirated)
"Continuous operation is prohibited above 26 inches MP between 2250 – 2450 RPM" (86" diameter only)
-Placard (turbo-charged)
"Continuous operation is prohibited above 28 inches MP between 2250 – 2450 RPM" (86" diameter only)
-Placards do not apply to 82" or 84" diameter propellers

Replaces: McCauley C58 / C78 – 82 - 88 inch diameter 2-bladed prop
Oil fill requirement per AD 91-15-04
1200-1500 hour / 5 year TBO

McCauley C79 / C90 - 80 inch diameter 3-bladed prop
Oil fill requirement per AD 91-15-04
1500 hour / 6 year TBO

Advantages: vs. McCauley C58 / C78 2-bladed model
Better take-off performance
Longer TBO
Current design, Mc threaded design obsolete

vs. McCauley C79 / C90 3-bladed model
Better take-off performance
9.5% decrease in time to accelerate to 60 MIAS
Longer TBO
Current design, Mc threaded design obsolete

Note: vs. all models - 3% decrease in engine out glide distance



Cessna P206, P206A (replacing C73, C88), P206B – P206E, TP206A (replacing C70, C77, C88), TP206B – TP206E, and TU206F (s/n U20602200 - U20603521) with IO-520-A or TSIO-520-C engine



Basic Kit:

Part Number: J3F00552STP

1 3-Bladed Propeller: HC-J3YF-1RF/F8068

1 Polished Spinner: C-4582-1P

1 STC Document Set: SA02821CH

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CESSNA 206 (IO-520 powered)

Applicable Models: P206, P206A(replacing C73, C88), P206B thru P206E, TP206A (replacing C70, C77, C88), TP206B, thru TP206E, and TU206F (s/n U20602200 – U20603521) . (IO-520-A, TSIO-520-C)

Specifications: 82 inch dia 3-bladed, **scimitar**, aluminum hub prop
2400 hour / 6 year TBO
82 pounds (propeller and spinner)
Diameter reduction allowable to 78 inches

Replaces: McCauley C70 / C73 82 inch diameter 2-bladed prop
Diameter reduction allowable to 80.0 inches
Oil fill requirement per AD 91-15-04
1200-1500 hour / 5 year TBO

McCauley C77, C88 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78.0 inches
1200 hour / 5 year TBO

Advantages: Improved take-off and climb performance
Dramatic noise reduction
Longer TBO
Improved appearance
Latest hub design and “blended airfoil”, Scimitar blades



Cessna T207, T207A with TSIO-520-G, -M engine



Basic Kit:

Part Number: C3F07102STP

1 3-Bladed Propeller: HC-C3YF-1RF/F8068

1 Polished Spinner: A-2295-1P

1 STC Document Set: SA02821CH

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CESSNA T207 (TSIO-520 powered)

Applicable Models: T207, T207A (TSIO-520-G, -M)

Specifications: 82 inch dia 3-bladed, **scimitar**, aluminum hub prop
2400 hour / 6 year TBO
82 pounds (propeller and spinner)
Diameter reduction allowable to 78 inches

Replaces: McCauley C78 – 81.5 inch diameter 2-bladed prop
Diameter reduction allowable to 80.5 inches
Oil fill requirement per AD 91-15-04
1200-1500 hour / 5 year TBO

McCauley C401 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78.5 inches
2400 hour / 6 year TBO

Advantages:
Improved take-off and climb performance
Dramatic noise reduction
Longer TBO
Improved appearance
Latest hub design and “blended airfoil”, Scimitar blades



Cessna TU206G with TSIO-520-M engine



Basic Kit:

Part Number: J3F00551STP

1 3-Bladed Propeller: HC-J3YF-1RF/F8068

1 Polished Spinner: C-4582-1P

1 STC Document Set: SA02821CH

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CESSNA 206 (IO-520 powered)

Applicable Models: TU206G (TSIO-520-M)

Specifications: 82 inch dia 3-bladed, **scimitar**, aluminum hub prop
2400 hour / 6 year TBO
84.75pounds (propeller and spinner)
Diameter reduction allowable to 78 inches

Replaces: McCauley C402 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78.5 inches
2400 hour / 6 year TBO

Advantages:
Improved take-off and climb performance
Dramatic noise reduction
Longer TBO
Improved appearance
Latest hub design and “blended airfoil”, Scimitar blades



Mooney M20A-J With O-360-A1D, A2D, IO-360A1A, A3B6(D), -A1B6D



Basic Kit: 180HP engine Models: M20A, M20B, M20C, M20D, M20G

Part Number: C2R10704STP

1 2-Bladed Propeller: HC-C2YR-1BFP/F7497

1 Composite Spinner (white): 103585(F1)

1 STC Document Set: SA02414CH-D

Basic Kit: 200HP engine Models: M20E, M20F

Part Number: C2R10703STP

1 2-Bladed Propeller: HC-C2YR-1BFP/F7497

1 Composite Spinner (white): 103585(F1)

1 STC Document Set: SA02414CH-D

Basic Kit: 200HP engine Model: M20J

Part Number: C2R10705STP

1 2-Bladed Propeller: HC-C2YR-1BFP/F7497

1 Polished Spinner: A-2295-5P

1 Spinner Mounting Kit: A-2476-10

1 STC Document Set: SA02414CH-D

Aircraft Serial and registration numbers required when ordering

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Mooney M20A-J

Applicable Models: Mooney M20A-J
***Note: If cowling has been modified, a different spinner assembly may be needed, specific modification details are required to help ensure a correct fit.**

Specifications: 74 inch diameter
 2 bladed **scimitar**
 Aluminum hub
 2400 hour/6 year TBO
 62-64 pounds each (propeller & spinner)
 Diameter reduction allowable to 72.5 inches
 Placard – “No cont. ops. Above 24” manifold pressure between 2350 to 2550 rpm” (M20E, M20F only)

Replaces: Hartzell HC-C2YK-1BF/F7666A-2 - 74 in. dia. 2-bladed prop
 Diameter reduction allowable to 72.5 inches
 2000 hour / 5 year TBO
 57 pounds (propeller and spinner)
 Placard - “Avoid cont. ops. between 2100 and 2350 rpm.”
 Hartzell HC-C2YK-1BF/F7666A-3Q - 73 in. dia. 2-bladed prop
 Q-tip, no diameter reduction allowable
 2000 hour / 5 year TBO
 59 pounds (propeller & spinner)
 Hartzell HC-C3YR-1RF/F7282 - 74 in. dia. 3-bladed prop
 2400 hour / 6 year TBO
 71 pounds (propeller and spinner)
 Diameter reduction allowable to 73 inches
 Placard - “Avoid cont. ops. below 15” between. 1950 and 2350 rpm”
 McCauley C53 - 74 inch diameter 2-bladed prop
 Diameter reduction allowable to 72.5 inches
 1200-1500 hour / 5 year TBO
 52.3 pounds (propeller and spinner)
 McCauley C212 or C214 - 74 inch diameter 2-bladed prop
 Diameter reduction allowable to 73 inches
 2000 hour / 6 year TBO
 54.3 pounds (propeller and spinner)
 Placard - “Avoid cont. ops. below 15” between 1500 and 1950 rpm.”

Advantages: Reduced Noise
 Same or better climb performance
 Improved cruise performance efficiency
 Longest TBO
 Current design
 Attractive design



Mooney M20C, D, E, F, G With O-360A1D, -A2D, IO-360A1A engine



Basic Kit: 180HP engine

Part Number: C3R00021STP*1

1 3-Bladed Propeller: HC-C3YR-1RF/F7282

1 Composite Spinner: 103629(F1) White **OR** 103629(F2) Silver

1 STC Document Set: SA4529NM

Basic Kit: 200HP engine

Part Number: C3R00920STP

1 3-Bladed Propeller: HC-C3YR-1RF/F7282

1 Composite Spinner: 103629(F1) White **OR** 103629(F2) Silver

1 STC Document Set: SA4529NM

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MOONEY

Applicable Models: M20C, M20D, M20G (180 hp)
M20E, M20F (200 hp)

*** Note: Not eligible to replace Mc fixed pitch prop on M20D**

**** Note: M20B not listed on STC, but field approval has been obtained.**

*****Note: Upon ordering, please advise if the aircraft has had a cowling modification.**

Specifications: 74 inch diameter 3-bladed aluminum hub propeller
2400 hour / 6 year TBO
71 pounds (propeller and spinner)
Diameter reduction allowable to 73 inches
Placard - "Avoid cont. ops. below 15" btwn. 1950 and 2350 rpm"

Replaces: Hartzell HC-C2YK-1BF/F7666A-2 - 74 in. dia. 2-bladed prop
Diameter reduction allowable to 72.5 inches
2000 hour / 5 year TBO
57 pounds (propeller and spinner)
Placard - "Avoid cont. ops. between 2100 and 2350 rpm."

Hartzell HC-C2YK-1BF/F7666A-3Q - 73 in. dia. 2-bladed prop
Q-tip, no diameter reduction allowable
2000 hour / 5 year TBO
59 pounds (propeller & spinner)

McCauley C53 - 74 inch diameter 2-bladed prop
Diameter reduction allowable to 72.5 inches
1200-1500 hour / 5 year TBO
52.3 pounds (propeller and spinner)

McCauley C212 or C214 - 74 inch diameter 2-bladed prop
Diameter reduction allowable to 73 inches
2000 hour / 6 year TBO
54.3 pounds (propeller and spinner)
Placard - "Avoid cont. ops. below 15" btwn 1500 and 1950 rpm."

Advantages: Better take-off and climb performance
Longer TBO than McCauleys
Dramatically lower noise
Improved appearance
Less restrictive placards



**Mooney M20J (201/205)
With IO-360-A3B6(D), IO-360-A1B6D engines**



Basic Kit:

Part Number: C3R00020STP

1 3-Bladed Propeller: HC-C3YR-1RF/F7282

1 Polished Spinner: A-2295-4P

1 Spinner Mounting Kit: A-2476-7

1 STC Document Set: SA4529NM

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com

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MOONEY

Applicable Models: M20J (200 hp)

Specifications: 74 inch diameter 3-bladed aluminum hub propeller
2400 hour / 6 year TBO
71 pounds (propeller and spinner)
Diameter reduction allowable to 73 inches
Placard - "Avoid cont. ops. below 15" btwn. 1950 and 2350 rpm"

Replaces: Hartzell HC-C2YK-1BF/F7666A-3Q - 73 in. dia. 2-bladed prop
Q-tip, no diameter reduction allowable
2000 hour / 5 year TBO
59 pounds (propeller & spinner)

McCauley C212 or C214 - 74 inch diameter 2-bladed prop
Diameter reduction allowable to 73 inches
2000 hour / 6 year TBO
54.3 pounds (propeller and spinner)
Placard - "Avoid cont. ops. below 15" btwn 1500 and 1950 rpm."

Advantages: Better take-off and climb performance
Longer TBO than McCauleys
Lower noise
Improved appearance
Less restrictive placards



Mooney M20K (231/252) With all stock engines



Basic Kit:

Part Number: J3F00010STP
1 3-Bladed Propeller: PHC-J3YF-1RF/F7663A-2R
1 Polished Spinner: A-2295-1P
1 STC Document Set: SA1505GL

Kit with Electric De-ice: 12/14 Volt System

Part Number: J3F00047STP
1 3-Bladed Propeller: PHC-J3YF-1RF/F7663AK-2R
1 Polished Spinner: A-2295-2P
1 Electric De-Ice Kit (12/14 Volt System) (Prop): 7931-67-805-1
1 Electric De-Ice Kit (12/14 Volt System) (Airframe): 7931-67-805-2
1 STC Document Set: SA1505GL

Kit with Electric De-ice: 24/28 Volt System

Part Number: J3F00049STP
1 3-Bladed Propeller: PHC-J3YF-1RF/F7663AK-2R
1 Polished Spinner: A-2295-2P
1 Electric De-Ice Kit (24/28 Volt System) (Prop): 7931-67-750-1*1
1 Electric De-Ice Kit (24/28 Volt System) (Airframe): 7931-67-750-2
1 STC Document Set: SA1505GL

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
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MOONEY

Applicable Models: M20K

Specifications: 76 inch diameter 3-bladed aluminum hub propeller
2400 hour / 6 year TBO
75 pounds (propeller and spinner)
Diameter reduction allowable to 73 inches

Replaces: Hartzell BHC-J2YF-1BF/F8459A-11Q - 74 in. dia. 2-bladed prop
Q-tip, no diameter reduction allowable
2000 hour / 5 year TBO
59.5 pounds (propeller and spinner)

McCauley C216 - 74 inch diameter 2-bladed prop
No diameter reduction allowed
2000 hour / 6 year TBO
60 pounds (propeller and spinner)

Advantages: Better take-off and climb performance
Longer TBO than McCauley model
Smoother operation
Improved appearance
Diameter reduction allowable in event of tip damage



Mooney M20R Ovation and Ovation II

(See reverse side for s/n information)

With all stock engines



Basic Kit:

Part Number: J3F00056STP
1 3-Bladed Propeller: PHC-J3YF-1RF/F7693DF-2
1 Polished Spinner: A-2295-10P
1 STC Document Set: SA02004CH

Kit with Anti-ice boots only (when replacing a Hartzell 3-blade):

Part Number: J3F09100STP
1 3-Bladed Propeller: PHC-J3YF-1RF/F7693DFB-2
1 Polished Spinner: A-2295-10P
1 STC Document Set: SA02004CH

Kit with complete Anti-Ice system (when replacing a McCauley 2 or 3 blade):

Part Number: J3F09105STP
1 3-Bladed Propeller: PHC-J3YF-1RF/F7693DFB-2
1 Polished Spinner: A-2295-10P
1 STC Document Set: SA02004CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

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MOONEY

Applicable Models: M20R "Ovation" (S/N 29-0001 thru 29-0199, excluding 29-0183) and "Ovation II" (S/N 29-0183, 29-0200 and up)

The anti-ice kits are only to be used when anti-ice already exists.

Specifications: 76 inch diameter 3-bladed aluminum hub propeller
2400 hour / 6 year TBO
80 pounds (propeller and spinner)
Diameter reduction allowable to 75 inches

Replaces: McCauley 3A32C418/82NRC-9 - 73 in. dia. 3-bladed prop
2000 hour / 6 year TBO
76.6 pounds (propeller and spinner)

McCauley 2A34C241/82PGC-6 - 76 inch diameter 2-blade prop
2400 hour / 6 year TBO
65 pounds (propeller and spinner)

Advantages:

- Better take-off and climb performance compared to either McCauley option.
- Same-as or better cruise compared to either McCauley option at 65%+ power settings.
- Lower fly-over noise compared to 2-blade McCauley. Measured 78.67 dB(A) meets German, Swiss, and Austrian limits.
- 7% increase in idle-power descent rate
- Longer TBO than McCauley Ovation 3-blade
- Improved appearance, Scimitar-style blade planform
- Diameter reduction allowable in event of tip damage



Mooney M20R, M20S, and M20TN with IO-550-G, IO-550-G-AP as modified by STC SE02930AT, IO-550-N, and TSIO-550-G Engines



Basic Kit:

Part Number: J3F07507STP
1 3-Bladed Propeller: PHC-J3YF-1RF/F7498()
1 Polished Spinner: A-2295-10P
1 STC Document Set: SA03024CH

Kit with Anti-Ice:

Part Number: J3F07550STP (Boots only)
Part Number: J3F07551STP (Boots and 3 blade slinger kit)
1 3-Bladed Propeller: PHC-J3YF-1RF/F7498()
1 Polished Spinner: A-2295-10P
1 STC Document Set: SA03024CH

Aircraft Serial and registration numbers required when ordering

All Prices FOB Hartzell Propeller Inc.

Prices do not include Ohio State Sales Tax

Installation and Dynamic Balancing available at an additional charge

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Email: topprop@hartzellprop.com

TOP
PROP
PERFORMANCE
CONVERSIONS



MOONEY

Applicable Models: M20R Ovation , Ovation II, Ovation III, M20S Eagle, and M20TN

Specifications: 76 inch diameter 3-bladed aluminum hub propeller
2400 hour / 6 year TBO
72.5 pounds (propeller and spinner)
Diameter reduction allowable to 74 inches

Replaces: McCauley 2A32C239/90MC-15- 75 in. dia. 2-bladed prop
2400 hour / 6 year TBO
56.0 pounds (propeller and spinner)

McCauley 3A32C418/82NRC-9 - 73 in. dia. 3-bladed prop
2000 hour / 6 year TBO
76.6 pounds (propeller and spinner)

McCauley 2A34C241/82PGC-6 - 76 inch diameter 2-blade prop
2400 hour / 6 year TBO
68 pounds (propeller and spinner)

Hartzell PHC-J3YF-1RF/F7693DF()-2 76" diameter prop
2400 hour / 6 year TBO
80 pounds (propeller and spinner)

Advantages:

- Better take-off and climb performance compared to either McCauley option.
- Same-as or better cruise compared to either McCauley
- 7% decrease in glide distance (model R & S). Glide distance is unchanged for M20TN.
- Noise – No acoustic change.
- Improved appearance, Scimitar-style blade.
- Diameter reduction allowable in event of tip damage



Mooney M20R, M20S, and M20TN with IO-550-G, IO-550-G-AP as modified by STC SE02930AT, IO-550-N, and TSIO-550-G Engines



3 Bladed ASCII Composite Propeller STC Kit:

Basic Kit:

Part Number: J3F80800STP
1 3-Bladed Propeller: PHC-J3YF-1N/N7605C-2
1 Polished Spinner: A-2295-10P
1 STC Document Set: SA02482CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5300 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com

Fax: (937) 778-4215
Email: topprop@hartzellprop.com



MOONEY

Applicable Models: M20R Ovation, Ovation II, Ovation III, M20S Eagle, and M20TN

Specifications: 76 inch diameter 3-bladed aluminum hub, ASC II Composite blades
2400 hour / 6 year TBO
64 pounds (propeller and spinner)

Placard: Manifold Pressure limited to 34". Do not operate above 30.5" below 2500 RPM.

Replaces: McCauley 2A32C239/90MC-15- 75 in. dia. 2-bladed prop
2400 hour / 6 year TBO
56.0 pounds (propeller and spinner)

McCauley 3A32C418/82NRC-9 - 73 in. dia. 3-bladed prop
2400 hour / 6 year TBO
76.6 pounds (propeller and spinner)

McCauley 2A34C241/82PGC-6 - 76 inch diameter 2-blade prop
2000 hour / 6 year TBO
68 pounds (propeller and spinner)

Hartzell PHC-J3YF-1RF/F7693DF()-2 76" diameter prop
2400 hour / 6 year TBO
80 pounds (propeller and spinner)

Advantages:

- Better take-off and climb performance compared to either McCauley option.
- Same-as or better cruise compared to either McCauley
- 7% decrease in glide distance (model R & S). Glide distance is unchanged for M20TN.
- Noise – No acoustic change.
- Light weight
- High durability and lowest life cycle cost.



Piper PA30, PA39 Twin Comanche With (L)IO-320 Series (Turbo and Non-Turbo) engine



Basic Kit: Standard Rotating (PA30)

Part Number: E2L00095STP

2 2-Bladed Propellers: HC-E2YL-2BSF/F7663-6Q

2 Polished Spinners: D-5749-P

1 STC Document Set: SA557GL

Basic Kit: Counter Rotating (PA39, or a PA30 with the engine conversion)

Part Number: E2L00095STP*1 / E2L00061STP

2 2-Bladed Propellers: HC-E2YL-2B(L)SF/F(J)7663-6Q

2 Polished Spinners: D-5749-(L)P

1 STC Document Set: SA557GL

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
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PIPER TWIN COMANCHE

Applicable Models: PA-30, PA-39

*** Note: Please specify when ordering this kit whether the same or counter-rotating propellers are needed.**

Specifications: 70 inch diameter 2-bladed, aluminum hub propeller
2400 hour / 6 year TBO
2 pounds heavier per aircraft
70 inch minimum diameter

Replaces: Hartzell HC-E2YL - 72 inch 2-bladed aluminum hub prop
Diameter reduction allowable to 70 inches
2000 hour / 5 year TBO

Advantages: Current design / new production
Lower noise
Greater ground clearance
More durable spinner assembly



Piper PA32(R)(T)-300 Lance, Cherokee Six With IO-540 series engine



Basic Kit:

Part Number: C3R01150STP

1 3-Bladed Propeller: HC-C3YR-1RF/F7663R*3

1 Composite Spinner: 103629(F1) White **OR** 103629(F2) Silver

1 STC Document Set: SA1791GL

Aircraft Serial and registration numbers required when ordering
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PIPER LANCE

Applicable Models: PA-32-300, PA-32R-300, PA-32RT-300

Note: Upon ordering, please advise if the aircraft has a cowling modification. (May require a different spinner)

Specifications: 78 inch diameter 3-bladed aluminum hub propeller
2400 hour / 6 year TBO
71.6 pounds (propeller and spinner)
Diameter reduction allowable to 76 inches

Replaces: Hartzell HC-C2YK-1BF/F8475D-4 - 80 inch dia. 2-bladed prop
Diameter reduction allowable to 78.5 inches
2000 hour / 5 year TBO
55.8 pounds (propeller and spinner)
repetitive eddy current inspection per AD2001-23-08

Hartzell HC-C2YK-1BF/F8475R - 84 inch diameter 2-bladed prop
Diameter reduction allowable to 82.3 inches
2000 hour / 5 year TBO
repetitive eddy current inspection per AD2001-23-08

Advantages: Better take-off and climb performance
Dramatically lower noise
Improved appearance
Improved ground clearance, less blade tip erosion
Elimination of AD hub inspection



Piper PA34-200T Seneca II With (L)TSIO-360-E, -EB engine



Basic Kit w/o Electric De-ice:

Part Number: C3F00510STP / C3F00610STP

2 3-Bladed Propellers: PHC-C3YF-2(L)KUF/F(J)C7663-2R

2 Polished Spinners: C-4558-3P

1 STC Document Set: SA1118SO

Kit with Electric De-ice: (Specify when replacing 2 bladed propellers)

Part Number: C3F00511STP / C3F00611STP

2 3-Bladed Propellers: PHC-C3YF-2(L)KUF/F(J)C7663-2R

2 Polished Spinners: C-4558-3P

1 Airframe De-ice Kit: 102600-3

1 STC Document Set: SA1118SO

Kit with Electric De-ice: (Specify when replacing 3 bladed propellers)

Part Number: C3F00511STP / C3F00611STP

2 3-Bladed Propellers: PHC-C3YF-2(L)KUF/F(J)C7663-2R

2 Polished Spinners: C-4558-3P

1 Airframe De-ice Kit: 102600-4

1 STC Document Set: SA1118SO

Aircraft Serial and registration numbers required when ordering
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PIPER SENECA II

Applicable Models: PA-34-200T

Specifications: 76 inch diameter 3-bladed aluminum hub propeller
2400 hour / 6 year TBO
+32 pounds over 2-bladed Hartzells (propeller and spinner)
-5.2 pounds from 3-bladed McCauleys (propeller and spinner)
Diameter reduction allowable to 75 inches

Replaces: Hartzell BHC-C2YF-2C(L)UF/F(J)C8459-8R - 76 in dia. 2-bld prop
Diameter reduction allowable to 75 inches
2000 hour / 5 year TBO
Placard - "Avoid cont. ops. btwn 2000-2200 rpm above 32".
Placard - "Avoid grd ops. cross/tail wind > 10 kts 1700-2100 rpm"

McCauley C502 / C503 - 76 inch diameter 3-bladed props
Diameter reduction allowable to 76 inches
2000 hour / 6 year TBO

Advantages:

- vs. 2-bladed Hartzell
 - Better take-off and climb performance
 - Improved appearance
 - Removes placards
- vs. 3-bladed McCauley
 - Less expensive
 - Longer TBO



Piper PA34-220T Seneca III With (L)TSIO-360-KB engine



Basic Kit w/o Electric De-ice:

Part Number: C3F00550STP / C3F00650STP
2 3-Bladed Propellers: PHC-C3YF-2(L)KUF/F(J)C7453
2 Polished Spinners: C-4558-3P
1 STC Document Set: SA649GL

Kit with Electric De-ice: (Specify when replacing 2 bladed propellers)

Part Number: C3F00551STP / C3F00651STP
2 3-Bladed Propellers: PHC-C3YF-2(L)KUF/F(J)C7453
2 Polished Spinners: C-4558-3P
1 Airframe De-ice Kit: 102600-3
1 STC Document Set: SA649GL

Kit with Electric De-ice: (Specify when replacing 3 bladed propellers)

Part Number: C3F00551STP / C3F00651STP
2 3-Bladed Propellers: PHC-C3YF-2(L)KUF/F(J)C7453
2 Polished Spinners: C-4558-3P
1 Airframe De-ice Kit: 102600-4
1 STC Document Set: SA649GL

Aircraft Serial and registration numbers required when ordering
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PIPER SENECA III

Applicable Models: PA-34-220T. Also approved on PA-34-200T equipped with (L)TSIO-360-KB engines.

Specifications: 76 inch diameter 3-bladed aluminum hub propeller
2400 hour / 6 year TBO
+50 pounds over 2-bladed Hartzells (propeller and spinner)
+19.5 pounds over 3-bladed McCauleys (propeller and spinner)
Diameter reduction allowable to 75 inches

Replaces: Hartzell BHC-C2YF-2C(L)UF/F(J)C8459-8R-76 in dia. 2-bld prop
Diameter reduction allowable to 75 inches
2000 hour / 5 year TBO
Placard - "Avoid cont. ops. btwn 2000-2200 rpm above 32".
Placard - "Avoid ground ops. cross/tail wind > 10 kts 1700-2100 rpm"

McCauley C508 / C509 - 76 inch diameter 3-bladed props
Diameter reduction allowable to 76 inches
2000 hour / 6 year TBO

Advantages:

- vs. 2-bladed Hartzell
 - Better take-off and climb performance
 - Improved appearance
 - Removes placards
- vs. 3-bladed McCauley
 - Less expensive
 - Longer TBO



Piper PA28R-180, 200, 201 Arrow With IO-360-C1C(6), -B1E, -C1C engine



Basic Kit: (180 HP engine)

Part Number: C3R00021STP*2

1 3-Bladed Propeller: HC-C3YR-1RF/F7282

1 Composite Spinner: 103629(F1) White **OR** 103629(F2) Silver

1 STC Document Set: SA4528NM

Basic Kit: (200 HP engine)

Part Number: C3R00022STP*1

1 3-Bladed Propeller: HC-C3YR-1RF/F7282

1 Composite Spinner: 103629(F1) White **OR** 103629(F2) Silver

1 STC Document Set: SA4528NM

Aircraft Serial and registration numbers required when ordering
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PIPER ARROW

- Applicable Models:** PA-28R-180 (180 hp)
PA-28R-200, PA-28R-201, PA-28RT-201 (200 hp)
- Specifications:** 74 inch diameter 3-bladed aluminum hub propeller
2400 hour / 6 year TBO
71 pounds (propeller and spinner)
Diameter reduction allowable to 73 inches
Placard - "Avoid cont. ops. below 15" btwn. 1950 and 2350 rpm"
- Replaces:** Hartzell HC-C2YK-1BF/F7666A-2 - 74 inch dia. 2-bladed prop
Diameter reduction allowable to 72.5 inches
2000 hour / 5 year TBO
57 pounds (propeller and spinner)
Placard - "Avoid cont. ops. between 2100 and 2350 rpm."
- McCauley C213 - 74 inch diameter 2-bladed prop
Diameter reduction allowable to 73 inches
2000 hour / 6 year TBO
54.3 pounds (propeller and spinner)
Placard - "Avoid cont. ops. below 15" btwn 1500 and 1950 rpm."
- Advantages:** Better take-off and climb performance
Longer TBO than McCauley's
Lower noise
Improved appearance
Less restrictive placards



Piper PA23, PA23-160 Apache With O-320 engine



Basic Kit:

Part Number: C2L00106STP

2 2-Bladed Propellers: HC-C2YL-2CUF/FC7663-4

2 Polished Spinners: 836-29P

1 STC Document Set: SA00721CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
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PIPER APACHE

Applicable Models: PA-23, PA-23-160

Specifications: 72 inch diameter 2-bladed, aluminum hub propeller
2400 hour / 6 year TBO
63.5 pounds (prop & spinner)
70 inch minimum diameter

Replaces: Hartzell HC-82XL, HC-82VL - 72 inch 2-bladed steel hub prop
66 pounds (prop & spinner)
Diameter reduction allowable to 70 inches
500 hour inspection per AD95-11-08
Blade retention system inspection per AD 97-18-02
2000 hour / 5 year TBO

Advantages: Lighter weight (5 pounds per aircraft)
Current design / new production
Eliminates AD97-18-02 inspection requirements



**Piper PA23-250 with serial number 27-2505 and later
with IO-540-C4B5 or TIO-540-C1A engines.**



Basic Kit:

Part Number: E2R00123STP

2 2-Bladed Propeller: HC-E2YR-2BTF/FC7693F+1

2 Composite Painted Spinner (Matterhorn White): 103409F1

1 STC Document Set: SA02874CH-D

De-iced Kit:

Part Number: E2R00122 STP (28v) or E2R00124 (14v)

2 2-Bladed Propeller: HC-E2YR-2BTF/FC7693FB+1 (28v) or
HC-E2YR-2BTF/FC7693FB+1[*1] (14v)

2 Composite Painted Spinner (Matterhorn White): 103409F1

1 STC Document Set: SA02874CH-D

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com

Fax: (937) 778-4215
Email: topprop@hartzellprop.com

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PIPER AZTEC

Applicable Models: PA-23-250 Aztec C, D, E, & F with Lycoming IO-540-C4B5 or TIO-540-C1A engines. Serial number 27-2505 through 27-8154029.

Specifications: 77-inch diameter 2-bladed light weight aluminum hub propeller with counter-weighted aluminum "Scimitar" blades / Composite Spinner Assy.
2400 hour / 6 year TBO
62.0 pounds
Diameter reduction allowable to 75.5"

Replaces: 77" Hartzell aluminum non counter-weighted aluminum 2 blade props
2000 hour / 5 year TBO
58.0 pounds
Diameter reduction allowable to 76"

Advantages: Improved cruise speed (2 - 3 knots)
High reliability counter-weight to feather / oil pressure to low pitch change system
Swept-tip Scimitar blades for reduced noise
"Blended Airfoil" technology for maximum all around performance
Improved appearance
Maintains propeller de-ice protection
Longer TBO than original 2-blade

Notes:

Composite "Matterhorn White" poly-urethane painted spinner domes.
No governor or control changes required.
Minimal de-ice installation time.



Piper PA24 (180HP) Comanche With O-360 engine



Basic Kit:

Part Number: C2R00027STP

1 2-Bladed Propeller: HC-C2YR-1BF/F7666A-4

1 Composite Spinner: 103585(F1) – white **OR** 103585(F2) – silver

1 STC Document Set: SA00631CH

Aircraft Serial and registration numbers required when ordering

All Prices FOB Hartzell Propeller Inc.

Prices do not include Ohio State Sales Tax

Installation and Dynamic Balancing available at an additional charge

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PIPER 180 COMANCHE

Applicable Models: PA-24-180

Specifications: 72 inch diameter 2-bladed, aluminum hub propeller
No diameter reduction allowed
2400 hour / 6 year TBO
58 pounds (propeller and spinner)
Placard - "Avoid continuous ops. between 2000 and 2250 RPM."

Replaces: McCauley C14 - 74 inch diameter 2-bladed prop
Diameter reduction allowable to 72 inches
1200 hours / 5 year TBO
63 pounds (prop & spinner)

Hartzell HC-92ZK - 72 inch 2-bladed steel hub prop
66 pounds (prop & spinner)
Diameter reduction allowable to 70.5 inches
500 hour inspection per AD95-11-08
2000 hour / 5 year TBO

Advantages:

- Lighter weight
- Longer TBO
- Current design
- Lowest cost Comanche 180 propeller



Piper PA24-260, 260B Comanche With O-540, IO-540 engine



Basic Kit:

Part Number: C3R00023STP

1 3-Bladed Propeller: HC-C3YR-1RF/F7590

1 Composite Spinner: 103629(F1) White **OR** 103629(F2) Silver

1 STC Document Set: SA288CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
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PIPER 260 COMANCHE

Applicable Models: PA-24-260

Note: Upon ordering, please advise if the aircraft has a cowling modification. (May require a different spinner)

Specifications: 77 inch diameter 3-bladed, **scimitar**, aluminum hub propeller (includes a fixed flap on the trailing edge of each blade that can be used with LoPresti Speed Merchants cowling)
2400 hour / 6 year TBO
74 pounds (propeller and spinner)
Diameter reduction allowable to 76 inches

Replaces: Hartzell HC-C2YK- 77 inch 2-bladed aluminum hub prop
Diameter reduction allowable to 75 inches
2000 hour / 5 year TBO
57 pounds (propeller & spinner)

Advantages:
Better performance
Lower noise
Improved appearance
Longer TBO
Compatible with LoPresti Speed Merchants cowl STC



Piper PA24-260C Comanche With IO-540 engine



Basic Kit:

Part Number: E3R00019STP

1 3-Bladed Propeller: HC-E3YR-1RF/F7590

1 Polished Spinner: C-4582-P

1 STC Document Set: SA288CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

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PIPER 260 COMANCHE

Applicable Models: PA24-260C

Note: Upon ordering, please advise if the aircraft has a cowling modification. (May require a different spinner)

Specifications: 77 inch diameter 3-bladed, **scimitar**, aluminum hub propeller
2400 hour / 6 year TBO
83.3 pounds (propeller and spinner)
Diameter reduction allowable to 76 inches

Replaces: Hartzell HC-E2YK- 77 inch 2-bladed aluminum hub prop
Diameter reduction allowable to 75 inches
2000 hour / 5 year TBO
63 pounds (propeller & spinner)

Advantages:
Better performance
Lower noise
Improved appearance
Longer TBO



Piper PA24 (180HP) Comanche Scimitar With O-360 engine



Basic Kit:

Part Number: C2R10704STP

1 2-Bladed Propeller: HC-C2YR-1BFP/F7497

1 Composite Spinner: 103585(F1) – white **OR** 103585(F2) – silver

1 STC Document Set: SA00631CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

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PIPER COMANCHE 180

Applicable Models: PA-24

Specifications: 74 inch diameter 2-bladed, aluminum hub "Scimitar" propeller
Diameter reduction allowed to 72.5 inches
2400 hour / 6 year TBO
62 pounds (propeller and spinner)

Replaces: Hartzell 72 inch diameter 2-bladed, aluminum hub propeller
No diameter reduction allowed
2400 hour / 6 year TBO
58 pounds (propeller and spinner)
Placard - "Avoid continuous ops. between 2000 and 2250 RPM."

McCauley C14 - 74 inch diameter 2-bladed prop
Diameter reduction allowable to 72 inches
1200 hours / 5 year TBO
63 pounds (prop & spinner)
Placard - "Avoid continuous operations while descending between 2250 and 2550 RPM."

Hartzell HC-92ZK-8D/8447A-12A - 72 inch 2-bladed steel hub prop
66 pounds (prop & spinner)
Diameter reduction allowable to 70.5 inches
500 hour inspection per AD95-11-08
2000 hour / 5 year TBO

Advantages: Improved cruise performance (1-4 knots)
Eliminates RPM limitations and placards
Longer TBO
Current design



Piper PA28-235 Cherokee/Pathfinder With O-540-B4B5 engine



Basic Kit:

Part Number: C3R00047STP

1 3-Bladed Propeller: HC-C3YR-1RF/F7693F

1 Polished Spinner: C-3535-1P

1 STC Document Set: SA01190LA

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

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PIPER CHEROKEE 235 (CHEROKEE / PATHFINDER)

Applicable Models: PA-28-235

Specifications: 78 inch diameter 3-bladed, scimitar, aluminum hub propeller
2400 hour / 6 year TBO
77.5 pounds (propeller and spinner)
Diameter reduction allowable to 76 inches

Replaces: Hartzell HC-C2YK-1BF/F8468A-4 - 80 inch dia. 2-bladed prop
NO diameter reduction allowed
2000 hour / 5 year TBO
59 pounds (propeller and spinner)

Advantages: Better take-off and climb performance
Lower noise
Improved appearance
Increased ground clearance
Longer TBO
Improved blade repair limits



Piper PA28-236 Dakota With O-540-J3A5D engine



Basic Kit:

Part Number: F3R00030STP
1 3-Bladed Propeller: HC-F3YR-1ARF/F7693F
1 Polished Spinner: C-3570-P
1 STC Document Set: SA01191LA

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

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PIPER 236 DAKOTA

Applicable Models: PA-28-236

Specifications: 78 inch diameter 3-bladed, scimitar, extended, aluminum hub propeller
2400 hour / 6 year TBO
79.2 pounds (propeller and spinner)
Diameter reduction allowable to 76 inches

Replaces: Hartzell HC-F2YR-1BF/F8468-4R - 80 inch dia. 2-bladed prop
Diameter reduction allowable to 78 inches
2000 hour / 5 year TBO
66 pounds (propeller and spinner)

Advantages: Better take-off and climb performance
Lower noise
Improved appearance
Increased ground clearance
Longer TBO



Piper PA32-260 Cherokee Six 260 With O-540-E4B5 engine



Basic Kit:

Part Number: C3R00031STP

1 3-Bladed Propeller: HC-C3YR-1RF/F7693F

1 Polished Spinner: C-3535-1P

1 STC Document Set: SA1105CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

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PIPER CHEROKEE SIX 260

Applicable Models: PA-32-260

***Note:** Upon ordering, please advise if the aircraft has a cowling modification. (May require a different spinner)

Specifications: 78 inch diameter 3-bladed aluminum hub propeller
2400 hour / 6 year TBO
77.5 pounds (propeller and spinner)
Diameter reduction allowable to 76 inches

Replaces: Hartzell HC-C2YK-1BF/F8477-2 - 82 inch dia. 2-bladed prop
Diameter reduction allowable to 80.5 inches
2000 hour / 5 year TBO
59.1 pounds (propeller and spinner)

Advantages: Better take-off and climb performance
Lower noise
Improved appearance
Increased ground clearance
Longer TBO



Piper PA32RT-300T Turbo Lance II With TSIO-540 Series engine



Basic Kit:

Part Number: E3R00008STP

1 3-Bladed Propeller: HC-E3YR-1RF/F7673DR-0

1 Polished Spinner: C-3575-P

1 STC Document Set: SA3181NM

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

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PIPER TURBO LANCE

Applicable Models: PA-32RT-300T

Note: Upon ordering, please advise if the aircraft has a cowling modification. (May require a different spinner)

Specifications: 78 inch diameter 3-bladed aluminum hub propeller
2400 hour / 6 year TBO
Diameter reduction allowable to 76 inches
84 pounds (propeller & spinner)
Weight change 20.5 pounds

Replaces: Hartzell HC-E2YR-1BF/F8477-4 - 80 inch dia. 2-bladed prop
Diameter reduction allowable to 78.5 inches
2000 hour / 5 year TBO
63.5 pounds (propeller & spinner)
Repetitive eddy current inspection per AD2001-23-08

Advantages: Better take-off and climb performance
Dramatically lower noise
Improved appearance
Improved ground clearance, less blade tip erosion
Elimination of AD hub inspection
Compatible with Turbo Plus inter-cooler kit (STC SA2935NM)



Piper PA44-180 Seminole with O-360-E1A6D and O-360-A1H6 engines.



Basic Kit:

Part Number: C2R00120STP

Part Number: C2R00155STP

1 each 2-Bladed Propeller: HC-C2YR-2CEUFP/FC7497

1 each 2-Bladed Propeller: HC-C2YR-2CLEUFP/FJC7497

2 Aluminum Spinner Assemblies: D-6974-1P

1 STC Document Set: SA03022CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

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PIPER SEMINOLE

Applicable Models: PA-44-180 Seminole with Lycoming O-360-E1A6D and O-360-A1H6 engines. Turbo-charged Seminoles are NOT eligible for this conversion under this STC.

Specifications: 74-inch diameter 2-bladed aluminum hub propeller with Aluminum, blended airfoil "Scimitar" blades.
2400 hour / 6 year TBO
68.0 lb., Spinner 3.5 lb.
Diameter reduction allowable to 72.5"

Replaces: 74-inch Hartzell aluminum 2 blade props
2000 hour / 5 year TBO
65.0 lb., Spinner 3.8 lb.
Diameter reduction allowable to 72"

Advantages: Improved cruise speed (2 - 5 knots)
Improved climb performance - plus 80 fpm @ 2500 MSL
Improved margins - S.E. climb – plus 50 fpm
- Balked landing climb – plus 60 fpm
Swept-tip Scimitar blades for reduced noise - .9 dB(a) reduction
"Blended Airfoil" technology for maximum all around performance
Improved appearance
Longer TBO than original 2-blade

Notes:

Due to improved power off glide performance and lower decent rate, the FAA Approved Flight Manual Supplement for this STC includes a statement that the published landing distances over a 50 ft obstacle be increased by 10%.



Piper PA46-310P Malibu With TSIO-520-BE engine



Basic Kit: s/n 46-8408038 and up

Part Number: G3F10002STP

1 3-Bladed Propeller: PHC-G3YF-1E/7890K

1 Polished Spinner: C-3535-3P

1 Propeller De-ice kit: 7931-5E2707-1

1 Airframe De-ice kit: 7931-5E2707-2

1 Airframe Electrical kit: E7623-1

1 STC Document Set: SA01616CH

Basic Kit: s/n 46-8408001 through 46-8408037

Part Number: G3F10002STP*1

1 3-Bladed Propeller: PHC-G3YF-1E/7890K

1 Polished Spinner: C-3535-3P

1 Propeller De-ice kit: 7931-5E2707-1

1 Airframe De-ice kit: 7931-5E2707-2

1 Airframe Electrical kit: E7623-2

1 STC Document Set: SA01616CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

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PIPER MALIBU

Applicable Models: PA-46-310P

Specifications: 80-inch diameter 3-bladed aluminum hub propeller with composite blades
2400 hour / 6 year TBO
68 pounds (propeller and spinner)

Replaces: Hartzell BHC-C2YF-1BF/F8052K - 80 inch dia. 2-bladed prop
2000 hour / 5 year TBO
59 pounds (propeller and spinner)

Advantages: Better take-off and climb performance
Lower noise
Improved appearance
Smoother operation
Longer TBO

Notes: 1.) Approximately 35 hours of labor are required to install this STC kit. (Approximately 30 hours are required when installed in conjunction with an annual inspection.)

2.) Wire is not included with the kit. The following wire is required:

<u>Wire</u>	<u>Quantity</u>
M22759/43-14	30 ft.
M22759/43-16	12 ft.
M22759/43-20	10 ft.

Supplier for the wire: A.E. Petsche
(770) 381-9802 phone
(770) 381-9882 fax



**Piper PA46-350P Mirage (s/n 4622001-4622200,
4636001 and later); PA46R-350T Matrix
with TIO-540-AE2A engine**



Basic Kit:

Part Number: I3R30300STP
1 3-Bladed Propeller: HC-I3Y1R-1N/N7605+2
1 Polished Spinner: D-6750-1P
1 STC Document Set: SA02677CH-D

De-iced Kit:

Part Number: I3R30350STP or I3R30350STP*1
1 3-Bladed Propeller: HC-I3Y1R-1N/N7605K+2
1 Polished Spinner: D-6750-1P
1 Propeller De-ice kit: 102960-1
1 Airframe De-ice kit: 102960-2
1 Airframe Electrical kit: E7359-1
1 STC Document Set: SA02677CH-D
(*1 kit for airplanes already equipped with a Hartzell 3 blade composite propeller. New airframe kits are not required and not included.)

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
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PIPER MIRAGE / MATRIX

- Applicable Models:** PA-46-350P Mirage
Serial number 4622001 to 4622200, 4636001 and later
PA-46R-350T Matrix
- Specifications:** 80-inch diameter 3-bladed light weight aluminum hub propeller with
ASC-II™ Advanced Structural Composite blades
2400 hour / 6 year TBO
64.0 pounds (propeller and spinner)
- Replaces:** Hartzell HC-I2YR-1BF/F8074K - 80 inch dia. 2-bladed prop
2000 hour / 6 year TBO
63.5 pounds (propeller and spinner)
- Hartzell HC-I3YR-1E/7890K 80 inch dia. 3 bladed prop.
2400 hour / 6 year TBO
75.4 pounds (propeller and spinner)
- Advantages:** Improved cruise speed (2 knots over POH)
Lighter weight than existing 3-blade
Better take-off and climb performance than 2-blade
Lower noise and improved cooling
Improved appearance
Smoother operation than original 2-blade
Longer TBO than original 2-blade
- Notes:** Model PA46-350P (s/n 462201 – 4622200 & 4630001 – 4636131) when removing a two blade Hartzell HC-I2YR-1BF/F8074K propeller.
- 1.) Approximately 40 hours of labor are required to install this STC kit with de-ice. (Approximately 30 hours are required when installed in conjunction with an annual inspection.)
 - 2.) Wire is not included with the kit. The following wire is required:

<u>Wire</u>	<u>Quantity</u>
M22759/7-14	30 ft.
M22759/7-16	2 ft.
M22759/7-18	6 ft.
M22759/7-20	10 ft.

Supplier for the wire: Astro Wire & Cable
(800) 543-5810 phone
 - 3.) Auxiliary cabin heat is interlocked with the propeller de-ice system. (Auxiliary cabin heat is inoperative when propeller heat is turned on).
- Note 4 applies to all eligible models:
- 4.) Installation kits assume that Hartzell HC-I2YR-1BF/F8074K or Hartzell HC-I3YR-1E/7890K propeller was installed per the original type certificate data sheet or STC SA1340CH. If any other propeller has been installed, the aircraft must be returned to the original type certified configuration before installing this STC. A 2 – 3 hour installation time should be expected where the Hartzell HC-I3YR-1E/7890K three blade propeller was installed previously.



**Piper PA46-350P Mirage (s/n 4622001-4622200,
4636001 and later); PA46R-350T Matrix
with TIO-540-AE2A engine**



Basic Kit:

Part Number: I3R50100STP
1 3-Bladed Propeller: HC-I3Y1R-1N/N7605C+2
1 Polished Spinner: D-6750-1P
1 STC Document Set: SA02677CH-D

De-iced Kit:

Part Number: I3R50120STP or I3R50120STP*1
1 3-Bladed Propeller: HC-I3Y1R-1N/N7605CK+2
1 Polished Spinner: D-6750-1P
1 Propeller De-ice kit: 102960-1
1 Airframe De-ice kit: 102960-2
1 Airframe Electrical kit: E7359-1
1 STC Document Set: SA02677CH-D
(*1 kit for airplanes already equipped with a Hartzell 3 blade composite propeller. New airframe kits are not required and not included.)

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

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PIPER MIRAGE / MATRIX

- Applicable Models:** PA-46-350P Mirage
Serial number 4622001 to 4622200, 4636001 and later
PA-46R-350T Matrix
- Specifications:** 80-inch diameter 3-bladed light weight aluminum hub propeller with
ASC-II™ Advanced Structural Composite blades
2400 hour / 6 year TBO
64.0 pounds (propeller and spinner)
- Replaces:** Hartzell HC-I2YR-1BF/F8074K - 80 inch dia. 2-bladed prop
2000 hour / 6 year TBO
63.5 pounds (propeller and spinner)
- Hartzell HC-I3YR-1E/7890K 80 inch dia. 3 bladed prop.
2400 hour / 6 year TBO
75.4 pounds (propeller and spinner)
- Advantages:** Improved cruise speed (2 knots over POH)
Lighter weight than existing 3-blade
Better take-off and climb performance than 2-blade
Lower noise and improved cooling
Improved appearance
Smoother operation than original 2-blade
Longer TBO than original 2-blade
- Notes:** Model PA46-350P (s/n 462201 – 4622200 & 4630001 – 4636131) when removing a two blade Hartzell HC-I2YR-1BF/F8074K propeller.
- 1.) Approximately 40 hours of labor are required to install this STC kit with de-ice. (Approximately 30 hours are required when installed in conjunction with an annual inspection.)
 - 2.) Wire is not included with the kit. The following wire is required:

<u>Wire</u>	<u>Quantity</u>
M22759/7-14	30 ft.
M22759/7-16	2 ft.
M22759/7-18	6 ft.
M22759/7-20	10 ft.

Supplier for the wire: Astro Wire & Cable
(800) 543-5810 phone
 - 3.) Auxiliary cabin heat is interlocked with the propeller de-ice system. (Auxiliary cabin heat is inoperative when propeller heat is turned on).
- Note 4 applies to all eligible models:
- 4.) Installation kits assume that Hartzell HC-I2YR-1BF/F8074K or Hartzell HC-I3YR-1E/7890K propeller was installed per the original type certificate data sheet or STC SA1340CH. If any other propeller has been installed, the aircraft must be returned to the original type certified configuration before installing this STC. A 2 – 3 hour installation time should be expected where the Hartzell HC-I3YR-1E/7890K three blade propeller was installed previously.



Piper PA-46-500TP Malibu Meridian with PT6A-42A engine



Kit with Electric De-ice:

Part Number: 5DN00001S

1 5-Bladed ASCII Composite Propeller: 5D3-N338A1/78D01B

1 Polished Spinner: 105951P

1 De-ice kit (airframe): 106337

1 STC Document Set: SA04045CH

1 Gust-Lock Cover: 106515-500

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com

Fax: (937) 778-4215
Email: topprop@hartzellprop.com



Piper PA-46-500TP Malibu Meridian, M500

Applicable Models: Piper PA-46-500TP

Specifications: Hartzell 82.5" inch diameter 5-bladed, all carbon Advanced Structural Composite, Second Generation (ASC-II), swept-tip, scimitar composite blades with all new lighter-weight aluminum "Raptor®" hub propeller.
4000 hour / 6 year TBO
128.8 pounds (prop and spinner)

Replaces: Hartzell – 82.5" HC-E4N-3Q/E8501B-3.5 4-bladed aluminum
4000 hours/6 year TBO
144.8 pounds
Diameter: to 82.5" Max., 81.5" min.

MT-Propeller 79.92" 5 blade MTV-27-1-E-C-F-R(P)/CFR203-58d
with laminated wood blades
3000 hours/6 years
142 lb (prop w/de-ice)

Advantages: Carbon fiber construction allowing for thinner, stiffer airfoil design for better all around performance.
20% greater take-off acceleration.
90 fpm better ROC at Vy.
2-3 knots cruise speed increase.
Significantly reduced weight.
Measured take-off and climb noise number of 74.9 dB(a) complies with both FAR Part 36, Appendix G, and ICAO, Annex 16, Chapter 10 by a wide margin. 1.9 dB(a) reduction from standard airplane.
No change in RPM limitations or placards.
Strongest material available with field replaceable nickel steel leading edge erosion shield – no lost performance due to reduced diameter
Best Warranty in the industry along with worldwide support.



**Piper PA28R-201T Turbo Arrow III,
Piper PA28RT-201T Turbo Arrow IV
With TSIO-360-F, -FB engine**



Basic Kit:

Part Number: C3F00111STP

1 3-Bladed Propeller: PHC-C3YF-1RF/F7663-4T

1 Polished Spinner: C-3570-P

1 STC Document Set: SA01024CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

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PIPER TURBO ARROW

Applicable Models: PA-28R-201T, PA-28RT-201T

Specifications: 74 inch diameter 3-bladed aluminum hub propeller
2400 hour / 6 year TBO
74 pounds (propeller and spinner)
Diameter reduction allowable to 72 inches

Replaces: Hartzell BHC-C2YF-1()F/F8459A-8R - 76 inch dia. 2-bladed prop
Diameter reduction allowable to 75 inches
2000 hour / 5 year TBO
54 pounds (propeller and spinner)
Placard - "Avoid continuous ground operation 1700-2100 RPM in cross/tail winds over 10 kts."
Placard - "Avoid continuous operation 2000-2200 RPM above 32" manifold pressure."

Advantages: Increased ground clearance
Lower noise
Eliminates placard
Improved appearance
Greater diameter repair



**American Champion 8GCBC Scout & Denali Scout
Model with O-360-C1A, -C1E, -C1G
(180 hp), or IO-390-A1B6 (210 hp) engines. All gross
weights. NO RPM Restrictions**



2 Blade ASCII Propeller STC Kit: (Includes: Propeller, Spinner, and STC Documents)

Basic Kit:

Part number:	<u>C2R40875STP (180 hp) or C2R40900STP (210 hp)</u>
1 2-Bladed Propeller	HC-C2YR-1N/N8301-3 (180 hp) or BHC-C2YR-1N/N8301-3 (210 hp) "Trailblazer"
1 Polished Spinner	D-4798P
1 STC Document Set	SA09855AC

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

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American Champion Aircraft (Champion Aircraft, Bellanca)

Applicable Models: 8GCBC

Specifications: 80 inch diameter 2-bladed, aluminum hub, ASC II Carbon Composite Blades
2400 hour / 6 year TBO
41.0 pounds (propeller only)

Replaces: Hartzell HC-C2YK-1BF/F7666A 2-blade aluminum hub and blades
Diameter: Max. 76", Min 72"
2400 hour / 6 year TBO
57.0 Pounds (w/metal spinner)
Placard:" Avoid 2000-2300 Continuous Operation".

Hartzell HC-C3YR-1RF/F7282-2-blade aluminum hub, ASCII Composite Blades
Diameter: Max. 72", Min 70"
2400 hour / 6 year TBO
67.5 Pounds
Placard:" Avoid 1950 - 2350 Continuous Operation Below 15 Inches M.P.".

MTV-15-B/190-18a 75 inch diameter 3-blade, wood propeller
74.5 inch minimum diameter
2400 Hours / 6 years
54.0 Pounds

MTV-9-B/203-58 80.25 inch diameter 2-blade, wood propeller
79.75 inch minimum diameter
2400 Hours / 6 years
45.0 Pounds

Advantages: No RPM Restrictions. .
Improved climb performance 3% - 6% over two blade laminated wood propeller.
Approved at all gross weights.
Smoother idle,
Light weight.
High durability and lowest life cycle cost, Unlimited life blades.
Best warranty in the industry& worldwide support.

Notes:



**Aviat Husky A-1 thru A-1C-180 and A-1C-200
with O-360-C1G, -A1P (180 hp), or IO-360-A1D6
(200 hp) engines. All gross weights.
NO RPM Limitations**



2 Blade ASCII Propeller STC Kit: (Includes: Propeller, Spinner, and STC Documents)

Basic Kit:

Part number:	<u>C2R40500STP (180 hp) or C2R40600STP (200 hp)</u>
1 2-Bladed Propeller	HC-C2YR-1N/NG8301-3 "Trailblazer"
1 Polished Spinner	C-3568-P, or
1 Composite Spinner	105656F1 (Matterhorn White), or
1 Composite Spinner	105656F2 (Metallic Silver)
1 STC Document Set	SA11177SC

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
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Aviat Husky

Applicable Models: A-1, A-1A, A-1B, A-1C-180, A-1C-200

Specifications: 80 inch diameter 2-bladed, aluminum hub, ASC II Composite Blades
2400 hour / 6 year TBO
41.0 pounds (propeller only)

Replaces: Hartzell HC-C2YK-1BF/F7666A 2-blade aluminum hub and blades
Diameter: Max. 76", Min 72"
2400 hour / 6 year TBO
57.0 Pounds (w/metal spinner)

Hartzell HC-C2YR-1N/F7605 2-blade aluminum hub, ASCII Composite Blades
Diameter: Max. 76", Min 72"
2400 hour / 6 year TBO
43.0 Pounds

Hartzell HC-C2YK-1BF/F8477-4 2-blade aluminum hub and blades
Diameter: Max. 80", Min 78"
2400 hour / 6 year TBO
71.5 Pounds (with spinner and damper)
De-rated to 2600 RPM (175 HP for noise)

MTV-15-B/205-58 80.7 inch diameter 2-blade, wood propeller
.8 inch diameter reduction allowed
2400 Hours/6 years
47.5 Pounds
De-rated to 2600 RPM (175 HP for noise)

Advantages: Allows engine to run at full power continuously (2700 RPM)
Improved take-off and climb performance
Decreased take-off distance
Approved at all gross weights
FAR 36 compliant - Measured 81.7 dB(a) on A-1C-180/200,
Measured 78.1 dB(a) on A-1, A-1A & A-1B
Smoother idle
Light weight
High durability and lowest life cycle cost

Notes: Composite Spinner is approx. 2.0 lb. lighter than the aluminum version.



**CIRRUS DESIGN SR22 & SR22T
with IO-550-N, and TSIO-550-K engines
All gross weights.**



3 Blade ASCII Propeller Kit:
(Includes: Propeller, Spinner, and optional anti-ice boots)

Basic Kit:

Part number: J3F90000AFM
Part number (booted): J3F90500AFM
1 3-Bladed Propeller: PHC-J3Y1F-1N/N7605C(B)
1 Polished Spinner: A-2295-11P

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

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Email: topprop@hartzellprop.com



Cirrus Design

Applicable Models: SR22 & SR22T

Specifications: 78 inch diameter 3-bladed, aluminum hub, ASC II Composite Blades
2400 hour / 6 year TBO
57.25 prop/boots

Replaces: Hartzell PHC-J3YF-1RF/F7694(B) -3-blade aluminum hub and blades Diameter: Max. 78", Min 76"
2400 hour / 6 year TBO
74.5 Pounds

McCauley D3AC443/78CYA-0 3-blade aluminum hub,
Diameter: Max. 78", Min 76"
2400 hour / 6 year TBO
69.7 Pounds

Hartzell PHC-J3YF-1RF/F7693DF(B) 3-blade aluminum hub and blades
Diameter: Max. 78", Min 76"
2400 hour / 6 year TBO
75.5 Pounds

MTV-9-D/198-52 78 inch diameter 3-blade, wood propeller
Diameter: 78"
2400 Hours/6 years
53.0 Pounds

Advantages:

Approved at all gross weights
FAR 36 compliant
Smoother idle
Light weight
High durability and lowest life cycle cost
Approved in all countries where the SR22 has been certified.

Notes: This kit is Type Certificated on these aircraft per FAA Type Certificate Data Sheet A00009CH.



**Rockwell (Gulfstream) (Commander) 112, 112A,
112B, 112TC, 112TCA
With IO-360-C1D6, TO-360-C1A6D engine (Lycoming)**



Basic Kit: for TC, TCA (Turbo)

Part Number: E3R00016STP

1 3-Bladed Propeller: HC-E3YR-1RF/F7392

1 Polished Spinner: C-3535-1P

1 STC Document Set: SA00499SE

Basic Kit: Non-Turbo Models

Part Number: E3R00017STP

1 3-Bladed Propeller: HC-E3YR-1RF/F7392

1 Polished Spinner: C-3535-1P

1 STC Document Set: SA00499SE

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

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ROCKWELL (COMMANDER, GULFSTREAM AEROSPACE)

Applicable Models: 112, 112A, 112B, 112TC, 112TCA

* Note: The 112A designation does not appear on the STC documents. The FAA designates both the "112" and "112A" models as the "112" model aircraft within two serial number ranges. The "112A" designation was a marketing designation created by Rockwell which is not recognized by the FAA.

** Note: For aircraft which are equipped with an RCM Normalizing, Inc. "Hot Shot" turbo/intercooler system, you *do not* have the right to sell the STC kit. This kit is installed under STC SA5202NM, which is owned by RCM Normalizing, Inc. The only legal way to install the propeller on aircraft equipped with the turbo system is through RCM, and the customer must be referred to RCM. Contact information is:

RCM Normalizing, Inc
Attention: Mr. Carl Lee
6395 Parkhill Road
Santa Margarita, CA 93453
Phone: 805.215.2982
E-mail: carl@rcmnormalizing.com
Website: www.rcmnormalizing.com

Specifications: 75 inch diameter 3-bladed, scimitar, aluminum hub propeller
2400 hour / 6 year TBO
80.5 pounds (propeller and spinner)
Diameter reduction allowable to 73 inches
Placard: "Avoid continuous operation below 15" manifold pressure between 2050 and 2450 RPM."

Replaces: Hartzell HC-E2YR-1BF/F7666A - 76 inch dia. 2-bladed prop
Diameter reduction allowable to 74 inches
2000 hour / 5 year TBO

Hartzell HC-E2YR-1BF/F8467-7R – 77 inch dia. 2-bladed prop
Diameter reduction to 76.5 inches
2000 hour / 5 year TBO

Advantages: Better take-off and climb performance
Lower noise
Increased ground clearance
Less restrictive placard
Improved appearance
Compatible with RCM turbo-normalizing kit (STC SA5202NM)



Diamond DA 40(XL) With IO-360-M1A engine



Basic Kit:

Part Number: C2R31051STP

1 2-Bladed Propeller: HC-C2YR-1N/N7605

1 Polished Spinner: A-2295-P

1 Oil Cooler Modification Kit: 102603

*** required on aircraft serial number 40.1029 and earlier*

*** already equipped on serial number 40.1030 and later*

1 STC Document Set: SA02476CH-D

Aircraft Serial and registration numbers required when ordering

All Prices FOB Hartzell Propeller Inc.

Prices do not include Ohio State Sales Tax

Installation and Dynamic Balancing available at an additional charge

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**DIAMOND DA 40(XL)**

Applicable Models: DA 40(XL)

Specifications: 76 inch diameter 2-bladed, aluminum hub, ASC II Composite Blades
2400 hour / 6 year TBO
46.8 pounds (propeller and spinner)

Replaces: MTV-12-B/180-17 – 71 inch diameter 3-blade, wood propeller
2 inch diameter reduction allowed
MTV-12-B/183-596 – 72 inch diameter 3-blade, wood propeller

Advantages: Allows engine to run at full power continuously (2700 RPM)
Smoother idle
Lightest
Most technologically advanced
High durability and lowest life cycle cost

Notes: Compatible with Hartzell S-1-6 or Woodward/Ontic C210776 Governor
Compatible with Power Flow exhaust and early cowling (STC SA03281AT)
Compatible with Power Flow exhaust and later cowling (STC SA02292NY)
Compatible with Garmin G1000 Integrated Avionics System (STC SA01254WI)
Compatible with original MAM-066 WCC Exhaust System
Compatible with 2646 (1200kb) maximum take off weight



Diamond DA 40 With IO-360-M1A engine



Basic Kit Includes:

Part Number: C2R00028STP

1 2-Bladed Propeller	HC-C2YR-1BF/F7495S
1 Polished Spinner	A-2295-P
1 STC Document Set	SA01850CH

Note 1. **NOT COMPATIBLE** with Power Flow exhaust system per Power Flow Systems STC SA03281AT.

Note 2. This STC is for sale for aircraft registered in all EASA countries, and China only. All others, see Hartzell STC SA02476CH-D propeller conversion kits.

**DIAMOND DA 40**

Applicable Models: DA 40

Specifications: 74 inch diameter 2-bladed, aluminum hub, shot peened blades
2 inch diameter reduction allowed
2400 hour / 6 year TBO
59 pounds (propeller and spinner)

Replaces: MTV-12-B/180-17 – 71 inch diameter 3-blade, wood propeller
2 inch diameter reduction allowed

Advantages:
2-4 knots increase in cruise speed
Allows engine to run at full power continuously (2700 RPM)
Smoother idle
More durable

Notes:
Special maintenance instructions apply for shot peened blades
NOT COMPATIBLE with Power Flow exhaust system per Power Flow Systems STC SA03281AT.

This STC is for sale for aircraft registered in all EASA countries, and China only. All others, see Hartzell STC SA02476CH-D propeller conversion kits.



Diamond DA 40(XL) With IO-360-M1A engine



Basic Kit:

Part Number: C2R10706STP

1 2-Bladed Propeller: HC-C2YR-1BFP/F7497

1 Polished Spinner: A-2295-P

1 Oil Cooler Modification Kit: 102603

*** required on aircraft serial number 40.1029 and earlier*

*** already equipped on serial number 40.1030 and later*

1 STC Document Set: SA02476CH-D

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

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DIAMOND DA 40(XL)

Applicable Models: DA 40(XL)

Specifications: 74 inch diameter 2-bladed, aluminum hub, aluminum blades
2 inch diameter reduction allowed
2400 hour / 6 year TBO
62.8 pounds (propeller and spinner)

Replaces: MTV-12-B/180-17 – 71 inch diameter 3-blade, wood propeller
2 inch diameter reduction allowed
MTV-12-B/183-596 – 72 inch diameter 3-blade, wood propeller

Advantages: Allows engine to run at full power continuously (2700 RPM)
More durable
Fastest
Least Expensive

Notes: Compatible with Hartzell S-1-6 or Woodward/Ontic C210776 Governor
Compatible with Power Flow exhaust and early cowling (STC SA03281AT)
Compatible with Power Flow exhaust and later cowling (STC SA02292NY)
Compatible with Garmin G1000 Integrated Avionics System (STC SA01254WI)
Compatible with original MAM-066 WCC Exhaust System
Compatible with 2646 (1200kb) maximum take off weight



**Fairchild SA226-TC Metro II
(except s/n TC-398 through TC-418)
With TPE331-3, -10 Series engine**

Basic Kit:

Part Number: E4N00267STP

2 4-Bladed Propeller: HC-E4N-5D/D9690B

2 Polished Spinner: D-5319-P

1 Airframe De-ice kit: 7931-5E2647-2

2 STC Document Set: SE01461NY (engine)
SA01462NY (airframe)

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
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FAIRCHILD METRO II

Applicable Models: SA226-TC

Specifications: 97 inch diameter 4-bladed, aluminum hub propeller
Diameter reduction allowable to 95 inches
4000 hour / 6 year TBO

Replaces: Hartzell HC-B3TN-5 / T10282 – 102 inch dia. 3-bladed propeller
No diameter reduction allowable
3000 hour / 5 year TBO

Advantages:
Dramatically lower noise
Increased ground clearance
Smoother overall operation

Notes: Modification requires 40 hours of labor including the modification to the engine and de-ice wiring
No beta tube change is required, however rework is needed per Service Bulletin TPE331-72-0904



Pilatus PC-12, PC-12/45, PC-12/47, PC-12/47E up to and including S/N 1575



Kit with Electric De-ice:

Part Number: E5A01502S

- 1 5-Bladed ASCII Composite Propeller: HC-E5A-3A/NC10245B
- 1 Polished Spinner: 105820P
- 1 De-ice kit (airframe): 105940
- 1 STC Document Set: SA03466CH
- 1 Gust-Lock Cover: 106515-012

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge



Pilatus PC-12, PC-12/45, PC-12/47, PC-12/47E up to and including S/N 1575

Applicable Models: Pilatus PC-12, PC-12/45, PC-12/47, PC-12/47E up to and including S/N 1575 with PT6A-67B or PT6A-67P engine

Specifications: Hartzell 105 inch diameter 5-bladed, HC-E5A-3A/NC10245B light-weight, aluminum hub propeller with all carbon Advanced Structural Composite, Second Generation (ASCI), swept-tip, scimitar composite blades
4000 hour / 6 year TBO
168.5 pounds (prop and spinner)

Replaces: Hartzell – 105” HC-E4A-3D/E10477SK 4-bladed aluminum
4000 hours/6 year TBO
176.8 pounds (prop and spinner)
Diameter reduction allowable to 104 inches

MT-Propeller 102.4” 5 blade MTV-27-1-N-C-F-R(P)/CFR260-65a with laminated wood blades
2500 hours/6 years
172.6 (prop w/de-ice)
Diameter reduction allowable to 101.2”

Advantages: Carbon fiber construction allowing for thinner, stiffer airfoil design for better all around performance
Over 10% improved take-off acceleration (0-90 knots)
Up to 100 fpm better ROC
2-3 knots cruise speed increase
Reduced weight
Fly-over noise significantly reduced
No change in RPM limitations or placards
Strongest material available with field replaceable nickel steel leading edge erosion shield – no lost performance due to reduced diameter
Best Warranty in the industry along with worldwide support.



Pilatus PC-6/B1-H2, PC-6/B2-H2, or PC-6/B2-H4 Turbo Porter with PT6A-20 or -27 engine



Basic Kit:

Part Number: D4N00163S

1 4-Bladed Propeller: HC-D4N-3P/D9511F

1 Polished Spinner: D-630-P

1 STC Document Set: SA377CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
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Pilatus PC-6 Turbo Porter

Applicable Models: Pilatus PC-6/B1-H2, PC-6/B2-H2, or PC-6/B2-H4 Turbo Porter with Pratt & Whitney PT6A-20 or -27 engine.

Specifications: 96 inch dia 4-bladed, light-weight, aluminum hub propeller
4000 hour / 6 year TBO
125 pounds (propeller and spinner)
Diameter reduction allowable to 95 inches
Governor change required - See Installation Instructions for details
(governor not supplied)
De-ice equipment for this STC'ed prop is approved under Pilatus
Type Certificate 7A15.

Replaces: Hartzell – 101.5" HC-B3TN-3D/T101731CN 3-bladed propeller
3000 hours/5 year TBO
123 pounds (prop)
Diameter reduction allowable to 99 inches

Hartzell – 101.5" HC-B3TN-3D/T10178CNR 3-bladed propeller
3000 hours/5 year TBO
123 - 130 pounds (prop)
Diameter reduction allowable to 99 inches

Advantages: FAA STC SA377CH validated in China, France (EASA), Brazil, and Indonesia. Japan and Russia (pending).
Reduced diameter for improved clearance on unimproved runways
Longer TBO
Current light-weight aluminum hub design
Optional equipment on factory new aircraft



**Socata TB20, TB21
With IO-540-C4D5D, TIO-540-A1B1AD engine**



Basic Kit:

Part Number: C3R00043STP
1 3-Bladed Propeller: HC-C3YR-1RF/F7693F
1 Polished Spinner: A-2295-3P
1 STC Document Set: SA01192CH

Kit with Alcohol Anti-ice:

Part Number: C3R00044STP
1 3-Bladed Propeller: HC-C3YR-1RF/F7693FB
1 Polished Spinner: A-2295-3P
1 Alcohol Anti-ice kit: C-4686
1 STC Document Set: SA01192CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com

Fax: (937) 778-4215
Email: topprop@hartzellprop.com

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SOCATA TB20, TB21

Applicable Models: TB20, TB21

Specifications: 78 inch diameter 3-bladed aluminum hub, scimitar propeller
2400 hour / 6 year TBO
Weight increase is 15 pounds
Diameter reduction allowable to 76 inches

Replaces: Hartzell HC-C2YK-1BF/F8477-4 - 80 inch dia. 2-bladed prop
Diameter reduction allowable to 78 inches
2000 hour / 5 year TBO

Advantages: Better take-off and climb performance
Lower noise
Improved appearance
Increased ground clearance



Socata TBM 700A, B, C1, C2, and N (TBM 850)



Kit with Electric De-ice:

Part Number: E5N00501S

- 1 5-Bladed ASCII Composite Propeller: HC-E5N-3C/NC8834K
- 1 Polished Spinner: 105180P
- 1 De-ice kit (airframe): 105068
- 1 STC Document Set: SA03291CH
- 1 Gust-Lock Cover: 106515-900

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

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Socata TBM 700, TBM 850

Applicable Models: Socata TBM 700A, B, C1, C2, and N (TBM 850) with PT6A-64, and PT6A-66D engines.

Specifications: Hartzell 91 inch dia 5-bladed, HC-E5N-3C/NC8834K light-weight, aluminum hub propeller with all carbon Advanced Structural Composite, Second Generation (ASCI), swept-tip, scimitar composite blades
3600 hour / 6 year TBO
151.8 pounds

Replaces: Hartzell – 91" HC-E4N-3-3D/E9083SK 4-bladed aluminum
4000 hours/6 year TBO
140.5 pounds (prop)
Diameter reduction allowable to 90 inches

MT-Propeller 88.6" 5 blade MTV-27-2-E-C-F-R(P)/CFR225-55f with laminated wood blades
2500 hours/6 years
146.6 (prop w/de-ice)
Diameter reduction allowable to 86.6"

Advantages: Carbon fiber construction allowing for thinner, stiffer airfoil design for better all around performance
10% improved take-off acceleration (0-90 knots)
100 fpm better ROC
2-5 knots cruise speed increase
Fly-over noise significantly reduced
No RPM limitations or restrictions
Strongest material available with field replaceable nickel steel leading edge erosion shield – no lost performance due to reduced diameter
Best Warranty in the industry along with worldwide support
EASA APPROVED.



**Trailblazer Homebuilt®
Carbon Fiber Composite Technology for select
Lycoming (I)O-360 & IO-390 engines
for amateur-built applications**



2 Bladed ASCII Composite Propeller

FAA Designee tested, vibrationally compatible with select 180, 200, 210 hp Lycoming engines. For use with counter-weighted and non-counter-weighted crankshaft engines. Multiple diameter units available. Hartzell's 8301 Trailblazer blade was specifically designed for low speed thrust, take-off, and climb performance.

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

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Trailblazer Homebuilt®

Available Models:

Option 1:

83" 2 blade Carbon Fiber standard hub Constant Speed Trailblazer
C2RXXXXXEXTP
HC-C2YR-1N/NG8301 propeller

Option 2:

80" 2 blade Carbon Fiber standard hub Constant Speed Trailblazer
C2RXXXXXEXTP
HC-C2YR-1N/NG8301-3 propeller

Option 3:

78" 2 blade Carbon Fiber standard hub Constant Speed Trailblazer
C2RXXXXXEXTP
HC-C2YR-1N/NG8301-5 propeller

Option 4:

76" 2 blade Carbon Fiber standard hub Constant Speed Trailblazer
C2RXXXXXEXTP
HC-C2YR-1N/NG8301-7 propeller

Compatible with:

a. (I)O360-()1()
180 HP @ 2700 RPM
No crankshaft counterweights
Compression ratio 8.5:1 or less
(Not compatible with Option 4)

b. (I)O360-()1()6
180 or 200 HP @ 2700 RPM
With crankshaft counterweights
Compression ratio 8.9:1 or less

c. IO-390-A3()6
210 HP @ 2700

Specifications: 2-bladed, aluminum hub, ASC II Composite Blades
2400 hour / 6 year TBO
43.0 pounds (propeller)

Advantages: No RPM limitations (yellow arc)
Smoother idle
Very light weight
Most technologically advanced
High durability and lowest life cycle cost

Note 1: Trailblazer Homebuilt® kits do not come with spinner assemblies or spinner mounting kits.

Note 2: Models are available for special order only. Contact Mike Trudeau at 937-778-4212 for details.