



**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/N8301-3 "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
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

**T
O
P
P
R
O
P
P
E
R
F
O
R
M
A
N
C
E
C
O
N
V
E
R
S
I
O
N
S**



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.



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

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

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

TOP PROP PERFORMANCE CONVERSIONS



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

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

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

TOP
PROP
PERFORMANCE
CONVERSIONS

**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.

Telephone: (800) 942-7767
Internet: www.hartzellprop.com

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

T
O
P
P
R
O
P
P
E
R
F
O
R
M
A
N
C
E
C
O
N
V
E
R
S
I
O
N
S



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

11/13 KF

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

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

T
O
P
P
R
O
P
P
E
R
F
O
R
M
A
N
C
E
C
O
N
V
E
R
S
I
O
N
S

**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.
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

**T
O
P
P
R
O
P
P
E
R
F
O
R
M
A
N
C
E
C
O
N
V
E
R
S
I
O
N
S**



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-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 3-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

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

TOP
PROP
PERFORMANCE
CONVERSIONS



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

**T
O
P
P
R
O
P
P
E
R
F
O
R
M
A
N
C
E
C
O
N
V
E
R
S
I
O
N
S**



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 PY line support kit: 700-4 (-64 engine replacing 4 blade)
700-5 (-64 engine replacing 5 blade)
850-4 (-66D engine replacing 4 blade)
850-5 (-66D engine replacing 5 blade)

1 STC Document Set: SA03291CH

**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

**T
O
P
P
R
O
P
P
E
R
F
O
R
M
A
N
C
E
C
O
N
V
E
R
S
I
O
N
S**



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 (ASCII), 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 86.6” 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.