

**DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION**

A7SO
Revision 24
Piper Aircraft, Inc
PA-34-200
PA-34-200T
PA-34-220T

April 9, 2019

TYPE CERTIFICATE DATA SHEET NO. A7SO

This data sheet which is a part of type certificate No. A7SO, prescribes conditions and limitations under which the product for which the type certificate was issued meets the airworthiness requirements of the Federal Aviation Regulations.

Type Certificate Holder Piper Aircraft, Inc.
2926 Piper Drive
Vero Beach, Florida 32960

Type Certificate Holder Record The New Piper Aircraft, Inc transferred TC A7SO to Piper Aircraft, Inc on August
7, 2006

I. - Model PA-34-200 (Seneca), 7 PCLM (Normal Category), Approved 7 May 1971.

Engines S/N 34-E4, 34-7250001 through 34-7250214:
1 Lycoming LIO-360-C1E6 with fuel injector,
Lycoming P/N LW-10409 or LW-12586 (right side); and
1 Lycoming IO-360-C1E6 with fuel injector,
Lycoming P/N LW-10409 or LW 12586 (left side).

 S/N 34-7250215 through 34-7450220:
1 Lycoming LIO-360-C1E6 with fuel injector,
Lycoming P/N LW-12586 (right side); and
1 Lycoming IO-360-C1E6 with fuel injector,
Lycoming P/N LW-12586 (left side).

Fuel 100/130 minimum grade aviation gasoline

Engine Limits For all operations, 2700 r.p.m. (200 hp)

Propeller and Propeller Limits Left Engine
1 Hartzell, Hub Model HC-C2YK-2 () E, Blade Model C7666A-0;
1 Hartzell, Hub Model HC-C2YK-2 () EU, Blade Model C7666A-0;
1 Hartzell, Hub Model HC-C2YK-2 () EF, Blade Model FC7666A-0;
1 Hartzell, Hub Model HC-C2YK-2 () EFU, Blade Model FC7666A-0;
1 Hartzell, Hub Model HC-C2YK-2CG (F), Blade Model (F) C7666A
(This model includes the Hartzell damper); or
1 Hartzell, Hub Model HC-C2YK-2CGU (F), Blade Model (F) C7666A
(This model includes the Hartzell damper).

Note: HC-()2YK-() may be substituted by HC-()2YR-() per Hartzell
Service Advisory 61.

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Propeller and Propeller Limits
(continued)

Right Engine

1 Hartzell, Hub Model HC-C2YK-2 () LE, Blade Model JC7666A-0;
 1 Hartzell, Hub Model HC-C2YK-2 () LEU, Blade Model JC7666A-0;
 1 Hartzell, Hub Model HC-C2YK-2 () LEF, Blade Model FJC7666A-0;
 1 Hartzell, Hub Model HC-C2YK-2 () LEFU, Blade Model FJC7666A-0;
 1 Hartzell, Hub Model HC-C2YK-2CLG (F), Blade Model (F) JC7666A
 (This model includes the Hartzell damper); or
 1 Hartzell, Hub Model HC-C2YK-2CLGU (F), Blade Model (F) JC7666A
 (This model includes the Hartzell damper).

Note: HC-()2YK-() may be substituted by HC-()2YR-() per Hartzell Service Advisory 61.

Pitch setting: High 79° to 81°, Low 13.5° at 30" station.

Diameter: Not over 76", not under 74".

No further reduction permitted.

Spinner: Piper P/N 96388 Spinner Assembly and P/N 96836 Cap Assembly, or
 P/N 78359-0 Spinner Assembly and P/N 96836-2 Cap Assembly (See NOTE 4)

Governor Assembly:

1 Hartzell hydraulic governor, Model F-6-18AL (Right);

1 Hartzell hydraulic governor, Model F-6-18A (Left).

Avoid continuous operation between 2200 and 2400 r.p.m. unless aircraft is equipped with Hartzell propellers which incorporates Hartzell damper on both left and right engine as noted above.

Airspeed Limits

V _{NE} (Never exceed)	217 m.p.h.	(188 knots)
V _{NO} (Maximum structural cruise)	190 m.p.h.	(165 knots)
V _A (Maneuvering, 4200 lb.)	146 m.p.h.	(127 knots)
V _A (Maneuvering, 4000 lb.)	146 m.p.h.	(127 knots)
V _A (Maneuvering, 2743 lb.)	133 m.p.h.	(115 knots)
V _{FE} (Flaps extended)	125 m.p.h.	(109 knots)
V _{LO} (Landing gear operating)		
Extension	150 m.p.h.	(130 knots)
Retract	125 m.p.h.	(109 knots)
V _{LE} (Landing gear extended)	150 m.p.h.	(130 knots)
V _{MC} (Minimum control speed)	80 m.p.h.	(69 knots)

C.G. Range (Gear Extended)

S/N 34-E4, 34-7250001 through 34-7250214 (See NOTE 3):

(+86.4) to (+94.6) at 4000 lb.

(+82.0) to (+94.6) at 3400 lb.

(+80.7) to (+94.6) at 2780 lb.

S/N 34-7250215 through 34-7450220:

(+87.9) to (+94.6) at 4200 lb.

(+82.0) to (+94.6) at 3400 lb.

(+80.7) to (+94.6) at 2780 lb.

Straight line variation between points given.

Moment change due to gear retracting landing gear (-32 in.-lb.)

Empty Weight C.G. Range

None

Maximum Weight

S/N 34-E4, 34-7250001 through 34-7250214:

4000 lb.- Takeoff

4000 lb. - Landing

See NOTE 3.

<u>Maximum Weight</u>	S/N 34-7250215 through 34-7450220: 4200 lb. - Takeoff 4000 lb. - Landing					
<u>No. of Seats</u>	7 (2 at +85.5, 3 at +118.1, 2 at +155.7)					
<u>Maximum Baggage</u>	200 lb. (100 lb. at +22.5, 100 lb. at +178.7)					
<u>Fuel Capacity</u>	98 gallons (2 wing tanks) at (+93.6) (93 gallons usable) See NOTE 1 for data on system fuel.					
<u>Oil Capacity</u>	8 qts. per engine (6 qts. per engine usable) See NOTE 1 for data on system oil.					
<u>Control Surface Movements</u>	Ailerons	($\pm 2^\circ$)	Up	30°	Down	15°
	Stabilator		Up	12.5° (+0, -1°)	Down	7.5° ($\pm 1^\circ$)
	Rudder	($\pm 1^\circ$)	Left	35°	Right	35°
	Stabilator Trim Tab	($\pm 1^\circ$)	Down	10.5°	Up	6.5°
	(Stabilator neutral)					
	Wing Flaps	($\pm 2^\circ$)	Up	0°	Down	40°
	Rudder Trim Tab	($\pm 1^\circ$)	Left	17°	Right	22°
	(Rudder neutral)					
	Nose Wheel Travel	S/N 34-E4, 34-7250001 through 34-7350353: ($\pm 1^\circ$)	Left	21°	Right	21°
	Nose Wheel Travel	S/N 34-7450001 through 34-7450220: ($\pm 1^\circ$)	Left	27°	Right	27°
<u>Manufacturer's Serial Number</u>	34-E4, 34-7250001 through 34-7450220 (See NOTE 7).					

II. - Model PA-34-200T (Seneca II), 7 PCLM (Normal Category), Approved July 18, 1974.

Same as Model PA-34-200 series except engine installation, maximum gross weight, and other minor changes.

<u>Engines</u>	1 Teledyne Continental TSIO-360-E or TSIO-360-EB (left engine), 1 Teledyne Continental LTSIO-360-E or LTSIO-360-EB (right engine).					
<u>Fuel</u>	100/130 minimum grade aviation gasoline					
<u>Engine Limits</u>	For all operations, 2575 r.p.m. and 40" Hg. Manifold pressure, 200 hp @ S.L. and 215 hp @ 12,000 ft.					
<u>Propeller and Propeller Limits</u>	<u>Left engine</u> 1 Hartzell, Hub Model BHC-C2YF-2 ()F (See NOTE 10) or BHC-C2YF-2 ()UF; Blade Model FC8459-8R or FC8459B-8R. <u>Right engine</u> 1 Hartzell, Hub Model BHC-C2YF-2 ()L ()F (See NOTE 10) or BHC-C2YF-2 ()L ()UF; Blade Model FJC8459-8R or FJC8459B-8R. Pitch setting at 30" station: Hub Serial Numbers prior to AN3943: High $79.3^\circ \pm 2.0^\circ$, Low $14.4^\circ \pm 0.2^\circ$ or High 80.0° to 81.5° , Low $14.4^\circ \pm 0.2^\circ$. Hub Serial Numbers AN3943 and subsequent: High 80.0° to 81.5° , Low $14.4^\circ \pm 0.2^\circ$.					

Propeller and Propeller Limits
(continued)

Diameter: Not over 76", not under 75".
No further reduction permitted.

Spinner: Piper P/N 37138-0 Spinner Assembly (left hand),
Piper P/N 37138-1 Spinner Assembly (right hand) (See NOTE 4).

Governor Assembly:

1 Woodward hydraulic governor, Model C210659 (left),
1 Woodward hydraulic governor, Model 210658 (right); or
1 Hartzell hydraulic governor, Model E-3 (left) and
1 Hartzell hydraulic governor, Model E-3L (right); or
1 Hartzell hydraulic governor, Model E-8L (right)
(E-8L Governor used with Synchrophaser).

Avoid continuous operation between 2000 and 2200 r.p.m. with engine manifold pressure above 32" Hg.

Avoid continuous ground operation in cross and tail winds over 10 knots between 1700 and 2100 r.p.m..

S/N 34-7970001 through 34-8170092:

Left Engine

1 McCauley, Hub Model 3AF34C502, Blade Model 80 HA-4

Right Engine

1 McCauley, Hub Model 3AF34C503, Blade Model L80 HA-4

Pitch setting: High 81.0° to 83.5°, Low 12.0° ± .2° at 30" station.

Diameter: Not over 76", not under 75".

No further reduction permitted.

Spinner: Piper P/N PS50077-49 Spinner Assembly See NOTE 4.

Governor Assembly:

1 Woodward hydraulic governor, Model C210659 (left),
1 Woodward hydraulic governor, Model 210658 (right);
1 Hartzell hydraulic governor, Model E-3 (left),
1 Hartzell hydraulic governor, Model E-3L (right); or
1 Hartzell hydraulic governor, Model E-8L (right)
(E-8L Governor used with Synchrophasers).

Synchrophaser for S/N 34-7970001 through 34-8170092:

Piper Drawing No. 36890 Synchrophaser Installation

Airspeed Limits

V _{NE} (Never exceed)	224 m.p.h.	(195 knots)
V _{NO} (Maximum structural cruise)	190 m.p.h.	(165 knots)
V _A (Maneuvering)	140 m.p.h.	(122 knots)
V _{FE} (Flaps extended)	125 m.p.h.	(109 knots)
V _{LO} (Landing gear operating)		
Extension	150 m.p.h.	(130 knots)
Retract	125 m.p.h.	(109 knots)
V _{LE} (Landing gear extended)	150 m.p.h.	(130 knots)
V _{MC} (Minimum control speed)	80 m.p.h.	(69 knots)

C.G. Range (Gear Extended)

(+90.6) to (+94.6) at 4570 lb.

(+82.0) to (+94.6) at 3400 lb.

Straight line variation between points given.

Moment change due to retracting landing gear (-32 in.-lb.).

Empty Weight C.G. Range

None

Maximum Weight 4570 lb. - Takeoff
 4342 lb. - Landing (All weight in excess of 4000 lb. must be fuel)
 Zero fuel weight may be increased up to a maximum of 4077.7 lb. when approved wing options are installed.
 See NOTE 11 for optional weights.

No. of Seats 7 (2 at +85.5, 3 at +118.1, 2 at +155.7)
 7 (2 at +85.5, 3 at +118.1, 2 at +157.6)
 6 (2 at +85.5, *2 at +119.1, 2 at +157.6)

* - Optional Club Seats

Maximum Baggage 200 lb. (100 lb. at +22.5, 100 lb. at +178)

Fuel Capacity 98 gallons (2 wing tanks) at (+93.6) (93 gallons usable)
 * 128 gallons (2 wing tanks) at (+93.6) (123 gallons usable)
 * - Optional for S/N 34-7570001, 34-7670114 through 34-8170092.
 See NOTE 1 for data on system fuel.

Oil Capacity 8 qts. per engine (5 qts. per engine usable)
 See NOTE 1 for data on system oil.

Maximum Operating Altitude 25,000 feet

<u>Control Surface Movements</u>	Ailerons	($\pm 2^\circ$)	Up	35°	Down	20°
	Stabilator		Up	12.5° (+0°, -1°)	Down	7.5° ($\pm 1^\circ$)
	Rudder	($\pm 1^\circ$)	Left	35°	Right	35°
	Stabilator Trim	($\pm 1^\circ$)	Down	10.5°	Up	6.5°
	Tab					
	(Stabilator neutral)					
	Wing Flaps	($\pm 2^\circ$)	Up	0°	Down	40°
	Rudder Trim					
	Tab	($\pm 1^\circ$)	Left	25°	Right	25°
	(Rudder neutral)					
	Nose Wheel					
	Travel	($\pm 1^\circ$)	Left	27°	Right	27°

Manufacturer's Serial Number 34-7570001 through 34-8170092 (See NOTE 7).

IIIA. - Model PA-34-220T (Seneca III), 7 PCLM (Normal Category), Approved December 17, 1980.

Same as model PA-34-200T series except engines, windshield, instrument panel, landing gear, maximum gross weight and other minor changes.

Engines 1 Teledyne Continental TSIO-360-KB (left engine),
 1 Teledyne Continental LTSIO-360-KB (right engine).

Fuel 100/100LL minimum grade aviation gasoline

Engine Limits Takeoff, 5 minutes, 2800 r.p.m. and 40" Hg. manifold pressure (220 hp)
 Max. Continuous, 2600 r.p.m. and 40" Hg. manifold pressure (200 hp)

Propeller and Propeller Limits Left Engine
 1 Hartzell, Hub Model BHC-C2YF-2 () UF, Blade Model FC8459-8R.
Right Engine
 1 Hartzell, Hub Model BHC-C2YF-2 () L () UF, Blade Model FJC8459-8R.

Propeller and Propeller Limits
(cont'd)

Pitch setting: High 80.0° to 81.5°, Low 12.6° ± 0.2° at 30" station.
Diameter: Not over 76", not under 75".
No further reduction permitted.

Spinner: Piper P/N 37138-0 assembly (left hand),
Piper P/N 37138-1 assembly (right hand).
See NOTE 4.

Governor Assembly:
1 Hartzell hydraulic governor; Model E-3-7 (left),
1 Hartzell hydraulic governor; Model E-3-7L (right); or
1 Hartzell hydraulic governor; Model E-8-7L (14V) or E-8-8L (28V) (right)
with Synchrophaser Installation, Piper Drawing 36890 or 87719.

Avoid continuous ground operation in cross and tail winds of over 10 knots
between 1700 and 2100 r.p.m.

Avoid continuous operation between 2000 and 2200 r.p.m. with manifold pressure
above 32" Hg.

Left Engine

1 McCauley, Hub Model 3AF32C508, Blade Model 82NFA-6,

Right Engine

1 McCauley, Hub Model 3AF32C509, Blade Model L82NFA-6.

Pitch setting: High 81.0° to 83.5°, Low 11.0° ± 0.2° at 30" station.
Diameter: Not over 76", not under 75".
No further reduction permitted.

Spinner: Piper P/N PS50077-49 or P/N PS50077-78 Assembly
See NOTE 4.

Governor Assembly:
1 Hartzell hydraulic governor; Model E-3-7 (left),
1 Hartzell hydraulic governor; Model E-3-7L (right); or
1 Hartzell hydraulic governor; Model E-8-7L (14V) or E-8-8L (28V) (right) with
Synchrophaser Installation, Piper Drawing No. 36890 or 87719.

Airspeed Limits (IAS)

V _{NE} (Never exceed)	205 knots
V _{NO} (Maximum structural cruise)	166 knots
V _A (Maneuvering) at 4750 lb.	140 knots
V _{FE} (Flaps extended)	115 knots
V _{LO} (Landing gear retracting)	108 knots
V _{LO} (Landing gear extending)	130 knots
V _{LE} (Landing gear extended)	130 knots
V _{MC} (Minimum control speed)	66 knots

C.G. Range (Gear Extended)

(+90.6) to (+94.6) at 4750 lb.
(+86.7) to (+94.6) at 4250 lb.
(+82.0) to (+94.6) at 3400 lb.
Straight line variation between points given.
Moment change due to retracting landing gear (-32 in.-lb.)

Empty Weight C.G. Range

None

<u>Maximum Weight</u>	4773 lb. - Ramp 4750 lb. - Takeoff 4513 lb. - Landing 4470 lb. - Zero Fuel See NOTE 12 and 13 for optional weights.					
<u>No. of Seats</u>	7 (2 at +85.5, 3 at +118.1, 2 at +157.6) 6 (2 at +85.5, *2 at +119.1, 2 at +157.6) * - Optional <u>Club Seats</u>					
<u>Maximum Baggage</u>	200 lb. (100 lb. at +22.5, 100 lb. at +178.7)					
<u>Fuel Capacity</u>	98 gallons (2 wing tanks) at (+93.6) (93 gallons usable) * 128 gallons (2 wing tanks) at (+93.6) (123 gallons usable) * - Optional installation See NOTE 1 for data on system fuel.					
<u>Oil Capacity</u>	8 qts. per engine (5 qts. per engine usable) See NOTE 1 for data on system oil.					
<u>Maximum Operating Altitude</u>	25,000 feet					
<u>Control Surface Movements</u>	Ailerons	(±2°)	Up	35°	Down	20°
	Stabilator		Up	12.5° (+0°, -1°)	Down	7.5° (±1°)
	Rudder	(±1°)	Left	35°	Right	35°
	Stabilator Trim	(±1°)	Down	10.5°	Up	6.5°
	Tab (Stabilator neutral)					
	Wing Flaps	(±2°)	Up	0°	Down	40°
	Rudder Trim					
	Tab	(±1°)	Left	25°	Right	25°
	(Rudder neutral)					
	Nose Wheel					
	Travel	(±1°)	Left	27°	Right	27°
<u>Manufacturer's Serial Number</u>	34-8133001 through 34-8633031 (14V); 3433001 through 3433172 (14V); and 3448001 through 3448037 (28V) (See NOTE 7).					

IIIB. - Model PA-34-220T (Seneca IV), 6 PCLM (Normal Category), Approved November 17, 1993.

Same as Model PA-34-220T (Seneca III) except nose bowl assembly, instrument panel, interior and other minor changes.

<u>Engines</u>	1 Teledyne Continental TSIO-360-KB (left engine), 1 Teledyne Continental LTSIO-360-KB (right engine).					
<u>Fuel</u>	100/100LL minimum grade aviation gasoline					
<u>Engine Limits</u>	Takeoff, 5 minutes, 2800 r.p.m. and 40" Hg. manifold pressure (220 hp) Max. Continuous, 2600 r.p.m. and 40" Hg. manifold pressure (200 hp)					
<u>Propeller and Propeller Limits</u>	<u>Left Engine</u> 1 Hartzell, Hub Model BHC-C2YF-2 () UF, Blade Model FC8459-8R. <u>Right Engine</u> 1 Hartzell, Hub Model BHC-C2YF-2 () L () UF, Blade Model FJC8459-8R. Pitch setting: High 80.0° to 81.5°, Low 12.6° ± 0.2° at 30 " station. Diameter: Not over 76", not under 75". No further reduction permitted.					

Propeller and Propeller Limits
(cont'd)

Spinner: Piper P/N 37138-0 Assembly (left hand),
Piper P/N 37138-1 Assembly (right hand).
Governor Assembly:
1 Hartzell hydraulic governor; Model E-3-7 (left),
1 Hartzell hydraulic governor; Model E-3-7L (right); or
1 Hartzell hydraulic governor; Model E-8-8L (right) with Synchrophaser
Installation, Piper Drawing No. 87719.

Avoid continuous ground operation in cross and tail winds between 1700 and 2100 r.p.m..

Avoid continuous operation between 2000 and 2200 r.p.m. with manifold pressure above 32" Hg.

Left Engine

1 McCauley, Hub Model 3AF32C508, Blade Model 82NFA-6.

Right Engine

1 McCauley, Hub Model 3AF32C509, Blade Model L82NFA-6.

Pitch setting: High 81.0° to 83.5°, Low 11.0° ± 0.2° at 30" station.

Diameter: Not over 76", not under 75".

No further reduction permitted.

Spinner: Piper P/N PS50077-78 Assembly

Governor Assembly:

1 Hartzell hydraulic governor; Model E-3-7 (left),
1 Hartzell hydraulic governor; Model E-3-7L (right); or
1 Hartzell hydraulic governor; Model E-8-8L (right) with Synchrophaser
Installation, Piper Drawing No. 87719.

Airspeed Limits (IAS)

V _{NE} (Never exceed)	205 knots
V _{NO} (Maximum structural cruise)	166 knots
V _A (Maneuvering) at 4750 lb.	140 knots
V _{FE} (Flaps extended)	115 knots
V _{LO} (Landing gear retracting)	108 knots
V _{LO} (Landing gear extending)	130 knots
V _{LE} (Landing gear extended)	130 knots
V _{MC} (Minimum control speed)	66 knots

C.G. Range (Gear Extended)

(+90.6) to (+94.6) at 4750 lb.
(+86.7) to (+94.6) at 4250 lb.
(+82.0) to (+94.6) at 3400 lb.
Straight line variation between points given.
Moment change due to retracting landing gear (-32 in.-lb.)

Empty Weight C.G. Range

None

Maximum Weight

4773 lb. - Ramp
4750 lb. - Takeoff
4513 lb. - Landing
4470 lb. - Zero Fuel
See NOTE 14 and 15 for optional weights.

No. of Seats

6 (2 at +85.5, 2 at +119.1, 2 at +157.6)

Maximum Baggage

200 lb. (100 lb. at +22.5, 100 lb. at +178.7)

Fuel Capacity

128 gallons (2 wing tanks) at (+93.6) (123 gallons usable)
See NOTE 1 for data on system fuel.

Oil Capacity

8 qts. per engine (5 qts. per engine usable)
See NOTE 1 for data on system oil.

Maximum Operating Altitude

25,000 feet

Control Surface Movements

Ailerons	(±2°)	Up	35°	Down	20°
Stabilator		Up	12.5° (+0°, -1°)	Down	7.5° (±1°)
Rudder	(±1°)	Left	35°	Right	35°
Stabilator Trim Tab	(±1°)	Down	10.5°	Up	6.5°
(Stabilator neutral)					
Wing Flaps		Up	0° (±1°)	Down	40° (±2°)
Rudder Trim Tab	(±1°)	Left	25°	Right	25°
(Rudder neutral)					
Nose Wheel Travel		Left	27°	Right	27°

Manufacturer's Serial Number

3448038 through 3448079, and 3447001 through 3447029.

IIIC. - Model PA-34-220T (Seneca V), 6 PCLM (Normal Category), Approved December 11, 1996.

Same as Model PA-34-220T (Seneca IV) except engine installation, instrument panel, interior and other minor changes.

Engines

1 Teledyne Continental TSIO-360-RB (left engine),
1 Teledyne Continental LTSIO-360-RB (right engine).

Fuel

100/100LL minimum grade aviation gasoline

Engine Limits

Takeoff and Maximum Continuous Operation, 2600 r.p.m. and 38" Hg. manifold pressure (220 hp)

Propeller and Propeller Limits

Left Engine

1 Hartzell, Hub Model BHC-J2YF-2CUF, Blade Model FC8459(B)-8R.

Right Engine

1 Hartzell, Hub Model BHC-J2YF-2CLUF, Blade Model FJC8459(B)-8R.

Pitch setting: High 80.0° to 81.5°, Low 14.6° ± 0.2° at 30" station.
Diameter: Not over 76", not under 75".
No further reduction permitted.

Spinner: Piper P/N 37138-6 Assembly (left hand),
Piper P/N 37138-7 Assembly (right hand).

Governor Assembly:
1 Hartzell hydraulic governor; Model E-3-9 (left),
1 Hartzell hydraulic governor; Model E-3-9L (right); or
1 Hartzell hydraulic governor; Model E-8-9L (right) with Synchrophaser Installation.

Avoid continuous ground operation in cross and tail winds between 1600 and 2100 r.p.m..

Avoid continuous operation between 1900 and 2100 r.p.m. with manifold pressure above 32" Hg.

Propeller and Propeller Limits
(continued)

Left Engine

1 McCauley, Hub Model 3AF32C522, Blade Model 82NJA-6.

Right Engine

1 McCauley, Hub Model 3AF32C523, Blade Model L82NJA-6.

Pitch setting: Feather $82.1^\circ \pm 0.5^\circ$, Low $12.6^\circ \pm 0.2^\circ$ at 30" station.

Diameter: Not over 76", not under 75".

No further reduction permitted.

Spinner: Piper P/N 100738-2 Assembly or McCauley P/N E-7258-X Spinner Assy

Governor Assembly:

1 Hartzell hydraulic governor; Model E-3-9 (left),

1 Hartzell hydraulic governor; Model E-3-9L (right); or

1 Hartzell hydraulic governor; Model E-8-9L (right) with Synchrophaser Installation.

Airspeed Limits (IAS)

V _{NE} (Never exceed)	204 knots
V _{NO} (Maximum structural cruise)	164 knots
V _A (Maneuvering) at 4750 lb.	139 knots
V _{FE} (Flaps extended)	113 knots
V _{LO} (Landing gear retracting)	107 knots
V _{LO} (Landing gear extending)	128 knots
V _{LE} (Landing gear extended)	128 knots
V _{MC} (Minimum control speed)	66 knots

C.G. Range (Gear Extended)

(+90.6) to (+94.6) at 4750 lb.

(+86.7) to (+94.6) at 4250 lb.

(+82.0) to (+94.6) at 3400 lb.

Straight line variation between points given.

Moment change due to retracting landing gear (-32 in.-lb.)

Empty Weight C.G. Range

None

Maximum Weight

4773 lb. - Ramp

4750 lb. - Takeoff

4513 lb. - Landing

4479 lb. - Zero Fuel

See NOTE 16 for optional weights.

No. of Seats

6 (2 at +85.5, 2 at +119.1, 2 at +157.6)

Maximum Baggage

185 lb. (100 lb. at +22.5, 85 lb. at + 178.7) (S/N 3449001 through 3449310 and 3449312 through 3449322)

200 lb. (100 lb. at +22.5, 100 lb. at + 178.7) (S/N 3449311 and 3449323 and up)

Fuel Capacity

128 gallons (2 wing tanks) at (+93.6) (122 gallons usable)

See NOTE 1 for data on system fuel.

Oil Capacity

8 qts. per engine (5 qts. per engine usable)

See NOTE 1 for data on system oil.

Maximum Operating Altitude

25,000 feet

<u>Control Surface Movements</u>	Ailerons	($\pm 2^\circ$)	Up	35°	Down	20°
	Stabilator		Up	12.5° (+0°, -1°)	Down	7.5° ($\pm 1^\circ$)
	Rudder	($\pm 1^\circ$)	Left	35°	Right	35°
	Stabilator Trim	($\pm 1^\circ$)	Down	10.5°	Up	6.5°
	Tab (Stabilator neutral)					
	Wing Flaps		Up	0° ($\pm 1^\circ$)	Down	40° ($\pm 2^\circ$)
	Rudder Trim					
	Tab	($\pm 1^\circ$)	Left	26°	Right	26°
	(Rudder neutral)					
	Nose Wheel Travel (Maximum)		Left	27°	Right	27°

Manufacturer's Serial Number 3449001 and up.

DATA PERTINENT TO ALL MODELS

Datum 78.4" forward of wing leading edge from the inboard edge of the inboard fuel tank.

Leveling Means Two screws left side fuselage below window.

Certification Basis Type Certificate No. A7SO issued May 7, 1971, obtained by the manufacturer under the delegation option authorization.
Date of Type Certificate application July 23, 1968.

Model PA-34-200 (Seneca I):

FAR 23 as amended by Amendment 23-6 effective August 1, 1967; FAR 23.959 as amended by Amendment 23-7 effective September 14, 1969; and FAR 23.1557(c)(1) as amended by Amendment 23-18 effective May 2, 1977. Compliance with FAR 23.1419 as amended by Amendment 23-14 effective December 20, 1973, has been established with optional ice protection provisions.

This aircraft is approved for single pilot operation

Model PA-34-200T (Seneca II):

FAR 23 as amended by Amendment 23-6 effective August 1, 1967; FAR 23.901, 23.909, 23.959, 23.1041, 23.1043, 23.1047, 23.1143, 23.1305(b)(c)(h)(p) and 23.1527(b) as amended by Amendment 23-7 effective September 14, 1969; and FAR 23.1557(c)(1) as amended by Amendment 23-18 effective May 2, 1977.

This aircraft is approved for single pilot operation

Model PA-34-220T (Seneca III and IV):

FAR 23 as amended by Amendment 23-6 effective August 1, 1967; FAR 23.207, 23.901, 23.909, 23.959, 23.1041, 23.1043, 23.1047, 23.1143, 23.1305(b)(c)(h)(p) and 23.1527 as amended by Amendment 23-7 effective September 14, 1969; FAR 23.201 and 23.203 as amended by Amendment 23-14 effective December 20, 1973; FAR 23.1557(c)(1) as amended by Amendment 23-18 effective May 2, 1977; FAR 23.175(a) and 23.1581(b)(2) as amended by Amendment 23-21 effective March 1, 1978; FAR 23.1545(a) as amended by Amendment 23-23 effective December 1, 1978; and FAR 36 through Amendment 36-9 effective January 15, 1979.

This aircraft is approved for single pilot operation

Model PA-34-220T (Seneca V):

FAR 23 as amended by Amendment 23-6 effective August 1, 1967; FAR 23.901, 23.909, 23.1041, 23.1043, 23.1047, 23.1143, 23.1305(b)(c)(h)(p) and 23.1527 as amended by Amendment 23-7 effective September 14, 1969; FAR 23.203 as amended by Amendment 23-14 effective December 20, 1973; FAR 23.959, 23.1557(c)(1) as amended by Amendment 23-18 effective May 2, 1977; FAR 23.175(a), 23.201, and 23.1581 as amended by Amendment 23-21 effective March 1, 1978; FAR 23.1545(a) as amended by Amendment 23-23 effective December 1, 1978; FAR 23.1529 as amended by Amendment 23-26 effective October 14, 1980; FAR 23.1322 as amended by Amendment 23-43 effective May 10, 1993; FAR 23.207 as amended by Amendment 23-45 effective September 7, 1993; Removal of FAR 23.205 per Amendment 23-50 effective March 11, 1996; FAR 23.1305(b)(4)(ii) as amended by Amendment 23-52 effective July 25, 1996; and FAR 36, Appendix G through Amendment 36-16 effective December 18, 1988.

Compliance with the requirements of FAR 23.1419 as amended by Amendment 23-14 effective December 20, 1973, and FAR 23.1441 as amended by Amendment 23-9 effective June 17, 1970, has been established with optional ice protection provisions and optional supplemental oxygen equipment, respectively.

This aircraft is approved for single pilot operation

For aircraft equipped with Piper factory installed Avidyne Entegra Systems, installed accordance with Piper Top Drawing 104400-006, the additional certification basis for installation specific items only is: FAR 23.395(a)(b)(c), 23.683(a)(1)(2)(3)(b)(1) and 23.867(b)(1)(2) as amended by Amendment 23-7 effective September 14, 1969; FAR 23.771(a) as amended by Amendment 23-14 effective December 20, 1973; FAR 23.1301, 23.1335 and 23.1327 as amended by Amendment 23-20 effective September 1, 1977; FAR 23.1501 and 23.1541(a)(1)(2)(b)(1)(2) as amended by Amendment 23-21 effective March 1, 1978; FAR 23.603 and 23.605(a) as amended by Amendment 23-23 effective October 10, 1978; FAR 23.1523 as amended by Amendment 23-34 effective February 17, 1987; FAR 23.1322, 23.1331 and 23.1357(a)(2)(b)(c)(d) as amended by Amendment 23-43 effective May 10, 1993; FAR 23.305, 23.397(a)(b), 23.613, 23.773(a)(1)(2), 23.1525 and 23.1549(a)(b)(c)(d) as amended by Amendment 23-45 effective September 7, 1993; FAR 23.301, 23.337(a)(1)(b)(1), 23.341(a), 23.473, 23.561(b)(3)(e), 23.607 and 23.611 as amended by Amendment 23-48 effective March 11, 1996; FAR 23.1303(a)(b)(f), 23.1309(a)(1)(3)(b)(c)(1)(2)(i)(iii)(3)(d)(e), 23.1311(a)(2)(3)(4)(5)(6)(7)(b)(c), 23.1321(a)(b)(c)(d)(e), 23.1323(a)(c), 23.1329(d)(e)(f)(g)(h), 23.1351(a)(1)(2)(i)(b)(1)(i)(2)(3)(d), 23.1353(d)(h), 23.1359(c), 23.1361(a)(b)(1)(2)(3), 23.1365(a)(b)(d)(e)(f) and 23.1431(a)(b)(d)(e) as amended by Amendment 23-49 effective March 11, 1996; FAR 23.1325(a)(b)(1)(2)(ii), 23.1543(b)(c), 23.1545(a)(b)(1)(2)(3)(4)(5)(6)(c), 23.1555(a)(b)(c)(d), 23.1563(a)(b), 23.1581(a)(b)(2)(3)(f), 23.1583(m) and 23.1585(j) as amended by Amendment 23-50 effective March 11, 1996; FAR 23.777(a)(b), 23.955(a)(3) and 23.1337 as amended by Amendment 23-51 effective March 11, 1996; 23.1305(a)(b) as amended by Amendment 23-52 effective July 25, 1996; and Special Condition for HIRF (Docket No. CE235, Special Condition 23-175-SC), date December 1, 2005 . Eligible Serial Numbers 3449311 and 3449323 and up.

For aircraft equipped with Piper factory installed Garmin G600 system installed in accordance with Piper Top Drawing 104400-006, the additional certification basis for installation specific items only is:

14 CFR 23.25, 14 CFR 23.29, 14 CFR 23.251, 14 CFR 23.301 (a)(b)(c), 14 CFR 23.305 (a), 14 CFR 23.307 (a), 14 CFR 23.337, 14 CFR 23.341, 14 CFR 23.395, 14 CFR 23.397, 14 CFR 23.561 (a)(b)(3)(e), 14 CFR 23.603, 14 CFR 23.605 (a), 14 CFR 23.607 (a), 14 CFR 23.611, 14 CFR 23.613 (a), 14 CFR 23.771 (a), 14 CFR 23.773 (a)(1)(2), 14 CFR 23.777 (a)(b), 14 CFR 23.867, 14 CFR 23.1301 (a)(b)(c)(d), 14 CFR 23.1303 (a)(b)(c)(f), 14 CFR 23.1308 (a)(b)(c), 14 CFR

23.1309 (a)(1)(a)(3)(b)(1)(b)(2)(b)(3)(b)(4)(c)(d)(e), 14 CFR 23.1311 (a)(1)(a)(2)(a)(3)(a)(4)(a)(5)(a)(6)(a)(7)(b)(c), 14 CFR 23.1321 (a)(b)(c)(d)(1)(d)(2)(d)(3)(d)(4)(d)(5)(e), 14 CFR 23.1322 (e), 14 CFR 23.1323 (a)(c), 14 CFR 23.1325 (b)(1)(b)(2), 14 CFR 23.1327, 14 CFR 23.1329, 14 CFR 23.1331 (a)(b)(1), 14 CFR 23.1335, 14 CFR 23.1351 (a)(1)(a)(2)(i), 14 CFR 23.1353 (h), 14 CFR 23.1357 (a)(b)(d), 14 CFR 23.1359 (c), 14 CFR 23.1365 (a)(b)(d)(e), 14 CFR 23.1431 (a)(b)(e), 14 CFR 23.1501, 14 CFR 23.1523, 14 CFR 23.1529, 14 CFR 23.1541 (a)(b), 14 CFR 23.1543 (b)(c), 14 CFR 23.1545 (a)(b), 14 CFR 23.1547, 14 CFR 23.1563 (a)(b), 14 CFR 23.1581 (a)(b)(c)(f), 14 CFR 23.1583 (h)(m), 14 CFR 23.1585 (j) at 14 CFR 23 as amended through Amendment 23-59 dated December 23, 2008

Eligible Serial Numbers 3449410 and up.

For aircraft equipped with Piper factory installed optional Garmin International Model G1000 Integrated Avionics System, installed in accordance with Piper Top Drawing 107200-002, the additional certification basis for installation specific items only is:

14 CFR Part 23 regulations: 23.1441(c) as amended by Amdt. 23-9, 23.1419(c) as amended by Amdt. 23-14, 23.207(a)(b)(c) as amended by Amdt. 23-45; 23.1305(a)(1)(2)(3)(b)(2)(3)(i)(4)(i)(b)(5)(6)(i) as amended by Amdt. 23-51, 23.21, 23.23(a), 23.25(a)(b), 23.29, 23.251, 23.301(a)(b)(c), 23.303, 23.305, 23.307, 23.337, 23.341(a)(c), 23.473, 23.561(a)(b)(3)(e), 23.601, 23.603, 23.605(a), 23.607, 23.609, 23.611, 23.613, 23.625, 23.627, 23.729(e)(f), 23.771(a), 23.773(a)(1)(2), 23.777(a)(b), 23.867, 23.1301(a)(b)(c)(d), 23.1306, 23.1307, 23.1308(a)(b)(c), 23.1309(a)(1)(3)(b)(c)(d)(e), 23.1311(a)(1)(2)(3)(4)(5)(6)(7)(b)(c), 23.1321(a)(b)(c)(d)(5)(e), 23.1322(a)(b)(c)(d)(e), 23.1323(a)(c), 23.1325(a)(b)(1)(2)(i), 23.1326(a)(b), 23.1327(a), 23.1329(d)(g)(h), 23.1335, 23.1337(b)(1)(4), 23.1351(a)(1)(2)(i)(b)(1)(i)(3)(c)(4)(d), 23.1353(a)(b)(c)(d)(e)(h), 23.1357(a)(b)(c)(d), 23.1359(c), 23.1361(a)(c), 23.1365, 23.1367(a)(b)(c)(d), 23.1381(a)(b)(c), 23.1416 (c), 23.1431(a)(b)(e), 23.1441(c), 23.1501, 23.1507, 23.1523, 23.1525, 23.1529, 23.1541(a)(b), 23.1543(b)(c), 23.1545(a)(b), 23.1549(a)(b)(c), 23.1553, 23.1555(a)(b)(e)(1), 23.1563(a)(b), 23.1567(a), 23.1581(a)(c), 23.1583(g)(h)(m), 23.1585(j), 23.1589 as amended by Amdt. 23-61; 23.1303(a)(b)(c)(f) as amended by Amdt. 23-62.

Eligible Serial Numbers: 3449459, 3449467 and up.

For aircraft equipped with Piper factory installed optional Garmin International Model GFC700 AFCS installed in accordance with Piper Top Drawing 107200-002, the additional certification basis for installation specific items only is:

14 CFR Part 23 Regulations: 23.1419(b)(c), as amended by Amdt. 23-14, 23.21(b), 23.23(a)(b)(3), 23.25(a)(1)(iii)(b), 23.29, 23.143(a)(b), 23.207(a)(b)(c)(d)(e), 23.301(a)(b)(c), 23.303, 23.305, 23.307, 23.337, 23.397, 23.399, 23.341(a)(c), 23.473, 23.561(a)(b)(3)(e), 23.601, 23.603, 23.605(a), 23.607, 23.609, 23.611, 23.613, 23.625, 23.627, 23.681, 23.683, 23.693, 23.771(a), 23.777(a)(b), 23.779(a)(2), 23.867, 23.1141(d), 23.1301, 23.1306, 23.1308(a)(b)(c), 23.1309(a)(1)(3)(b)(c)(d)(e), 23.1311(a)(3)(4)(6), 23.1321(c), 23.1322(a)(b)(c)(d)(e), 23.1329(a)(b)(c)(d)(e)(f)(g)(h), 23.1335, 23.1351(a)(1)(2)(i), 23.1357(a)(b)(c)(d), 23.1359(c), 23.1365, 23.1367(a)(b)(c)(d), 23.1431(a)(b)(e), 23.1501, 23.1523, 23.1525, 23.1529, 23.1541(a)(b), 23.1555(a), 23.1581(a), 23.1583(g)(h)(m), 23.1585(a)(1)(j), as amended by Amdt. 23-61

Eligible Serial Numbers: 3449459, 3449492 and up.

For aircraft equipped with Piper factory installed optional Garmin International G1000NXi Phase I/II installed in accordance with Piper Top Drawing 107200-004, the additional certification basis for installation specific items only is:

14 CFR Part 23 Regulations: 23.21, 23.23, 23.25(a)(b), 23.29, 23.251, 23.301(a)(b)(c), 23.303, 23.305, 23.307, 23.337, 23.341(a)(c), 23.473, 23.561(a)(b)(3)(e), 23.601, 23.603, 23.605(a), 23.607, 23.609, 23.611, 23.613, 23.625, 23.627, 23.729(e)(f), 23.771(a), 23.773(a)(1)(2), 23.777(a)(b), 23.867, 23.1301(a)(b)(c)(d), 23.1305(a)(1)(2)(3)(b)(2)(3)(i)(4)(i)(5)(6)(i), 23.1306, 23.1308(a)(b)(c), 23.1309(a)(1)(3)(b)(c)(d)(e), 23.1311, 23.1321(a)(b)(c)(d)(5)(e), 23.1322, 23.1323(a)(c), 23.1325(a)(b)(1)(2)(i), 23.1326, 23.1327(a), 23.1329(a)(1)(b)(c)(d)(e)(f)(g)(h), 23.1335, 23.1337(b)(1)(4), 23.1351(a)(1)(2)(i)(b)(1)(i)(ii)(iii)(3)(c)(4)(d), 23.1353(h), 23.1357(a)(b)(c)(d), 23.1359(c), 23.1365, 23.1367, 23.1381, 23.1383, 23.1385, 23.1387, 23.1389, 23.1391, 23.1393, 23.1395, 23.1397, 23.1401(a)(1)(2)(b)(c)(d)(e), 23.1431(a)(b)(e), 23.1501, 23.1523, 23.1525, 23.1529, 23.1541(a)(b), 23.1543(b)(c), 23.1545(a)(b), 23.1549(a)(b)(c), 23.1553, 23.1555(a)(b)(e)(1), 23.1563, 23.1581(a)(c), 23.1583(g)(h)(m), 23.1585(j), 23.1589(a) as amended by Amdt. 23-61 23.1303(a)(b)(c)(f) as amended by Amdt. 23-62

Eligible Serial Numbers: 3449509 and up.

Production Basis

Production Certificate No. 206.

Production Limitation Record issued and the manufacturer is authorized to issue an airworthiness certificate under the delegation option provisions of FAR 21.

Equipment

The basic required equipment as prescribed in the applicable airworthiness regulations (see Certification Basis) must be installed in the aircraft for certification. In addition, the following items of equipment are required:

<u>MODEL</u>	<u>AFM/POH</u>	<u>REPORT NO.</u>	<u>APPROVED</u>	<u>SERIAL EFFECTIVITY</u>
PA-34-200 (Seneca)	AFM	VB-353	7/2/71	34-E4, 34-7250001 through 34-7250214
	AFM	VB-423	5/20/72	34-7250001 through 34-7250189 when Piper Kit 760-607 is installed; 34-7250190 through 34-7250214 when Piper Kit 760-611 is installed; and 34-7250215 through 34-7350353
	AFM	VB-563	5/14/73	34-7450001 through 34-7450220
	AFM Supp.	VB-588	7/20/73	34-7250001 through 34-7450039 when propeller with dampers are installed
	AFM Supp.	VB-601	11/9/73	34-7250001 through 34-745017 when ice protection system is installed
	AFM	VB-628	7/18/74	34-7570001 through 34-7670371
	POH	VB-850	8/23/76	34-7770001 through 34-8170092
	POH	VB-1140	6/30/80	34-7770001 through 34-8170092 when Piper Kit 764-048V is installed
	AFM	VB-1245	3/9/84	34-7570001 through 34-7670371 when Piper Kit 765-110 is installed
PA-34-200T (Seneca II)				

PA-34-220T (Seneca III)	POH	VB-1110	1/8/81	34-8133001 through 34-8633031, and 3433001 through 3433172
	POH	VB-1150	2/20/81	34-8133001 through 34-8633031, and 3433001 through 3433172 when Piper Kit 764-099V is installed
	POH	VB-1257	10/20/89	3448001 through 3448037
	POH	VB-1259	11/20/89	3448001 through 3448037 when Piper Kit 766-203 is installed
PA-34-220T (Seneca IV)	POH	VB-1556	11/5/93	3448038 through 3448079
	POH	VB-1558	12/6/93	3448038 through 3448079 when Piper Kit 766-283 is installed
	POH	VB-1615	7/12/95	3447001 through 3447029
	POH	VB-1620	7/12/95	3447001 through 3447029 when Piper Kit 766-608 is installed
PA-34-220T (Seneca V)	POH	VB-1638	12/6/96	3449001 and up
	POH	VB-1649	1/23/97	3449001 and up when Piper Kit 766-632 (or equivalent 88247-{ }) is installed
	POH	VB-1930	10/25/05	3449311 and 3449323 and up when Avidyne Integra System is installed.
	POH	VB-1955	3/20/06	3449311 and 3449323 and up when Piper kit 766-632 (or equivalent 88247-{ }) and Avidyne Integra System is Installed.
	POH	VB-2186	9/2/2010	3449410 and up when Garmin G600 System is installed
	POH	VB-2193	9/10/2010	3449410 and up when Piper Kit 766-632 (or equivalent 88247-{ }) and Garmin G600 System is installed.
	POH	VB-2230	4/30/2013	3449459, 3449467 and up when the Garmin G1000 and/or GFC700 systems are installed
	POH	VB-2231	9/12/2013	3449459, 3449467 and up when Piper kit 88247-{ } is installed; (3449479 through 3449482 and 3449484 through 3449486 Piper installed kit 88247-{ } at factory)
	POH	VB-2761	11/5/2018	3449509 and up when the Garmin G1000NXi and/or GFC700 systems are installed

NOTE 1

Current Weight and Balance Report, including list of equipment included in certificated empty weight, and loading instructions when necessary, must be provided for each aircraft at the time of original certification.

The certificated empty weight and corresponding center of gravity locations must include undrainable system oil (not included in oil capacity) and unusable fuel as noted below:

Fuel: 30.0 lb. at (+103.0) for PA-34 series, except Model PA-34-220T

(Seneca V), S/N 3449001 and up
 Fuel: 36.0 lb. at (+103.0) for Model PA-34-220T (Seneca V), S/N 3449001 and up
 Oil: 6.2 lb. at (+ 39.6) for Model PA-34-200
 Oil: 12.0 lb. at (+ 43.7) for Models PA-34-200T and PA-34-220T

NOTE 2 All placards required in the approved Airplane Flight Manual or Pilot's Operating Handbook and approved Airplane Flight Manual of Pilot's Operating Handbook supplements must be installed in the appropriate location.

NOTE 3 The Model PA-34-200; S/N 34-E4, 34-7250001 through 34-7250189, may be operated at a maximum takeoff weight of 4200 lb. when Piper Kit 760-607 is installed. S/N 34-7250190 through 34-7250214 may be operated at a maximum takeoff weight of 4200 lb. when Piper Kit 760-611 is installed.

NOTE 4 The Model PA-34-200; S/N 34-E4, 34-7250001 through 34-7250189, may be operated without spinner domes or without spinner domes and rear bulkheads when Piper Kit 760-607 has been installed. S/N 34-7250190 through 34-7250214 may be operated without spinner domes or without spinner domes and rear bulkhead when Piper Kit 760-611 has been installed. The Model PA-34-200; S/N 34-7250215 through 34-7450220, and the Model PA-34-200T; S/N 34-7570001 through 34-8170092, may be operated without spinner domes or without spinner domes and rear bulkheads.

The Model PA-34-200T; S/N 34-7970001 through 34-8170092, equipped with McCauley three-bladed propellers, may be operated with spinner dome and rear bulkhead removed. The Model PA-34-220T; S/N 34-8133001 through 34-8633031, 3433001 through 3433172, and 3448001 through 3448037, with two-bladed Hartzell propellers may be operated without spinner domes or without spinner domes and rear bulkheads. With three-bladed McCauley propellers, this model may be operated without spinner dome and rear bulkhead.

NOTE 5 The Model PA-34-200 may be operated in known icing conditions when equipped with spinner assembly and the following kits:
 (a) S/N 34-E4, 34-7250001 through 34-7250189: Piper Kit 760-781V and Piper Kit 760-607 (See NOTE 3).
 (b) S/N 34-7250190 through 34-7250214: Piper Kit 760-781V and Piper Kit 760-611 (See NOTE 3).
 (c) S/N 34-7250215 through 34-7450220: Piper Kit 760-781V.

NOTE 6 Model PA-34-200T; S/N 34-7570001 through 34-8170092, may be operated in known icing conditions when equipped with deicing equipment installed per Piper Drawing No. 37700 and spinner assembly.

NOTE 7 The following serial numbers are not eligible for import certification to the U.S.:

PA-34-200:

34-7350283, 34-7350299, 34-7350300, and 34-7450187.

PA-34-200T:

34-7570074, 34-7570136, 34-7570193, 34-7570292, 34-7670045, 34-7670071, 34-7670072, 34-7670168, 34-7670261, 34-7670312, 34-7770037, 34-7770137, 34-7770206, 34-7770288, 34-7770316, 34-7770357, 34-7770367, 34-7770368, 34-7770406, 34-7870069, 34-7870098, 34-7870133, 34-7870157, 34-7870171, 34-7870172, 34-7870173, 34-7870174, 34-7870212, 34-7870213, 34-7870214, 34-7870215, 34-7870216, 34-7870217, 34-7870252, 34-7870257, 34-7870258, 34-7870313, 34-7870314, 34-7870367, 34-7870368, 34-7870369, 34-7870410, 34-7870411, 34-7870443, 34-7870444, 34-7870445, 34-7870446, 34-7870473, 34-7870474, 34-7970021, 34-7970051, 34-7970052, 34-7970087, 34-7970088, 34-7970131, 34-7970132, 34-7970133, 34-7970205, 34-7970206, 34-7970207, 34-7970374, 34-7970375, 34-7970376, 34-7970472, 34-7970473, 34-7970474, 34-7970475, 34-7970512, 34-7970513, 34-7970514, 34-8070045, 34-8070096, 34-8070097, 34-8070098, 34-8070099, 34-8070132, 34-8070202, 34-8070203, 34-8070204, 34-8070205, 34-8070276, 34-8070277, 34-8070278, 34-8070279, 34-8070280, 34-8070298, 34-8070299, 34-8070300, 34-8070301, 34-8170012, 34-8170013, 34-8170014, and 34-8170015.

PA-34-220T:

34-8133039, 34-8133083, 34-8133125, 34-8133126, 34-8133127, 34-8133128, 34-8133129, 34-8133169, 34-8133208, 34-8133209, 34-8133210, 34-8133211, 34-8133212, 34-8133240, 34-8133241, 34-8133242, 34-8133243, 34-8133244, 34-8133261, 34-8133262, 34-8133263, 34-8133264, 34-8233129, 34-8233130, 34-8233131, 34-8233132, 34-8233158, 34-8233159, 34-8233160, 34-8233161, 34-8233196, 34-8233197, 34-8233198, 34-8233199, 34-8333014, 34-8333015, 34-8333016, 34-8333017, 34-8333034, 34-8333035, 34-8333036, 34-8333037, 34-8333081, 34-8333082, 34-8333083, 34-8333084, 34-8333121, 34-8333122, 34-8333123, 34-8333124, 34-8433010, 34-8433011, 34-8433012, 34-8433013, 34-8433042, 34-8433043, 34-8433044, 34-8433045, 34-8433084, 34-8433088, 34-8533014, 34-8533015, 34-8533016, 34-8533017, 34-8633018, 3433013, 3433014, 3433015, 3433026 through 3433036, 3433039, 3433040, 3433045 through 3433088, 3433092 through 3433101, 3433103 through 3433110, 3433116 through 3433119, 3433124 through 3433127, 3433134, 3433135, 3433141 through 3433150, and 3433162 through 3433167.

- NOTE 8 Model PA-34-200; S/N 34-E4, S/N 34-7250001 through 34-7450220, and Model PA-34-200T; S/N 34-7570001 through 34-8170092, and Model PA-34-220T may be operated subject to the limitations listed in the Airplane Flight Manual or Pilot's Operating Handbook with rear cabin and cargo door removed.
- NOTE 9 In the following serial numbered aircraft, rear seat location is farther aft as shown and the center seats may be removed and replaced by CLUB SEAT INSTALLATION, which has a more aft C.G. location as shown in "No. of Seats," above:
- PA-34-200T: S/N 34-7770001 through 34-8170092.
- NOTE 10 These propellers are eligible on Teledyne Continental L/TSIO-360-E only.
- NOTE 11 With Piper Kit 764-048V installed weights are as follows:
 4407 lb. - Takeoff
 4342 lb. - Landing (All weight in excess of 4000 lb. must be fuel)
 Zero fuel weight may be increased to a maximum of 4077.7 lb. when approved wing options are installed (See POH VB-1140).
- NOTE 12 With Piper Kit 764-099V installed, weights are as follows:
 4430 lb. - Ramp
 4407 lb. - Takeoff, Landing, and Zero Fuel (See POH VB-1150).
- NOTE 13 With Piper Kit 766-203 installed, weights are as follows:
 4430 lb. - Ramp
 4407 lb. - Takeoff, Landing and Zero Fuel (See POH VB-1259).
- NOTE 14 With Piper Kit 766-283 installed, weights are as follows:
 4430 lb. - Ramp
 4407 lb. - Takeoff, Landing and Zero Fuel (See POH VB-1558).
- NOTE 15 With Piper Kit 766-608 installed, weights are as follows:
 4430 lb. - Ramp
 4407 lb. - Takeoff, Landing and Zero Fuel (See POH VB-1620).
- NOTE 16 With Piper Kit 766-632 (or equivalent 88247-{ }) installed, weights are as follows:
 4430 lb. - Ramp
 4407 lb. - Takeoff, Landing and Zero Fuel (See POH VB-1649, VB-1955 or VB-2193).

NOTE 17

The bolt and stack-up that connect the upper drag link to the nose gear trunnion are required to be replaced every 500 hours time-in-service. The part numbers are as follows:

1. Piper P/N 400 274 (AN7-35) bolt or Piper P/N 693 215 (NAS6207-50D) bolt;
2. Piper P/N 407 591 (AN960-716L) washer, as applicable;
3. Piper P/N 407 568 (AN 960-716) washer, as applicable;
4. Piper P/N 404 396 (AN 320-7) nut; and
5. Piper P/N 424 085 cotter pin.

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