DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

Piper Cherokee 160 N5393W S/N: 28-461

2A13
Revision 63
Piper Aircraft, Inc
PA-28-151
PA-28-161
PA-28-181
PA-28R-201
PA-28R-201T
PA-28-236
PA-28RT-201
PA-28RT-201T
PA-28-201T
9/28/2021

TYPE CERTIFICATE DATA SHEET NO. 2A13

This data sheet, which is a part of Type Certificate 2A13, 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 2A13 to Piper Aircraft, Inc on August 7,

2006.

<u>I - Model PA-28-160 (Cherokee), 4 PCLM (Normal Category), Approved October 31, 1960, for S/N 28-03; 28-1 through 28-4377; and 28-1760A.</u>

<u>Engine</u> <u>Lycoming O-320-B2B</u> or O-320-D2A with carburetor setting 10-3678-32

<u>Fuel</u> 91/96 minimum grade aviation gasoline

Engine Limits For all operations, 2700 r.p.m. (160 hp)

Propeller and Propeller Limits Sensenich M74DM or 74DM6 on S/N 28-1 through 28-1760, and 28-1760A.

Sensenich M74DMS or 74D6S5 on S/N 28-1761 through 28-4377. Static r.p.m. at maximum permission throttle setting not over 2425 r.p.m.,

not under 2325 r.p.m.

No additional tolerance permitted. Diameter: Not over 74", not under 72.5".

<u>Propeller Spinner</u> Piper P/N 14422-00 on S/N 28-1 through 28-1760, and 28-1760A.

Piper P/N 63760-04 or P/N 65805-00 on S/N 28-1761 through 28-4377.

See NOTE 11.

Airspeed Limits Never exceed 171 mph (148 knots) CAS

Maximum structural cruising140 mph(121 knots)CASManeuvering129 mph(112 knots)CASFlaps Extended115 mph(100 knots)CAS

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Center of Gravity Range (+84.0) to (+95.9) at 1650 lb. or less

 $\begin{array}{cccc} (+85.9) & to & (+95.9) & at & 1975 \ lb. \\ (+89.2) & to & (+95.9) & at & 2200 \ lb. \\ Straight line variation between points given. \end{array}$

Empty Weight C. G. Range None

Maximum Weight 2200 lb.

No. of Seats 4 (2 at +85.5, 2 at +118.1)

Maximum Baggage 125 lb. at (+142.8) on S/N 28-1 through 28-1760, and 28-1760A. See NOTE 8.

200 lb. at (+142.8) on S/N 28-1761 through 28-4377.

<u>Fuel Capacity</u> 50 gallons at (+95) (2 wing tanks)

See NOTE 1 for data on system fuel.

Oil Capacity 8 quarts at (+32.5), 6 quarts usable

See NOTE 1 for data on system oil.

<u>Control Surface Movements</u> Wing flaps $(\pm 2^{\circ})$ Up 0° Down 40°

Ailerons $(\pm 2^{\circ})$ 30° Down 15° Up Left Right Rudder $(\pm 2^{\circ})$ 27° 27° $(\pm 2^{\circ})$ 2° Stabilator Up 18° Down 12° Stabilator Tab $(\pm 1^{\circ})$ 3° Up Down

Nose Wheel Travel $(\pm 1^{\circ})$ Left 30° Right 30°

(Effective on S/N 28-1 through 28-3377, and 28-1760A)

($\pm 1^{\circ}$) Left 22° Right 22° (Effective S/N 28-3378 through 28-4377)

Manufacturer's Serial Nos. 28-03; 28-1 through 28-4377; and 28-1760A.

<u>II - Model PA-28-150 (Cherokee), 4 PCLM (Normal Category), Approved June 2, 1961, for S/N 28-03; 28-1 through 28-4377; and 28-1760A.</u>

Engine Lycoming O-320-A2B or O-320-E2A with carburetor setting 10-3678-32

Fuel 80/87 minimum grade aviation gasoline

Engine Limits For all operations, 2700 r.p.m. (150 hp)

Propeller and Propeller Limits Sensenich M74DM or 74DM6 on S/N 28-1 through 28-1760, and 28-1760A.

Sensenich M74DMS or 74DM6S5 on S/N 28-1761 through 28-4377. Static r.p.m. at maximum permissible throttle setting not over 2375 r.p.m.,

not under 2275 r.p.m.

No additional tolerance permitted. Diameter: Not over 74", not under 72.5".

<u>Propeller Spinner</u> Piper P/N 14422-00 on S/N 28-1 through 28-1760, and 28-1760A.

Piper P/N 63760-04 or 65805-00 on S/N 28-1761 through 28-4377.

See NOTE 11.

Airspeed Limits Never exceed 171 mph (148 knots) CAS

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