

2A13	
Revision 57	
Piper Aircraft, Inc	
PA-28-140	PA-28-151
PA-28-150	PA-28-161
PA-28-160	PA-28-181
PA-28-180	PA-28R-201
PA-28-235	PA-28R-201T
PA-28S-160	PA-28-236
PA-28S-180	PA-28RT-201
PA-28R-180	PA-28RT-201T
PA-28R-200	PA-28-201T
5/25/2017	

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 Record The New Piper Aircraft, Inc transferred TC 2A13 to Piper Aircraft, Inc on August 7, 2006.

<u>Engine</u>	Lycoming O-320-B2B or O-320-D2A with carburetor setting 10-3678-32
<u>Fuel</u>	91/96 minimum grade aviation gasoline
<u>Engine Limits</u>	For all operations, 2700 r.p.m. (160 hp)
<u>Propeller and Propeller Limits</u>	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.

<u>Airspeed Limits</u>	Never exceed	171 mph	(148 knots)	CAS
	Maximum structural cruising	140 mph	(121 knots)	CAS
	Maneuvering	129 mph	(112 knots)	CAS
	Flaps Extended	115 mph	(100 knots)	CAS

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X - Model PA-28R-200 (Arrow), 4 PCLM (Normal Category), Approved January 16, 1969, S/N 28R-35001 through 28R-35820 and 28R-7135001 through 28R-7135229.

<u>Engine</u>	Lycoming IO-360-C1C				
<u>Injector</u>	Bendix Type RSA-5AD1, Parts List Number 2524450				
<u>Fuel</u>	100/130 minimum grade aviation gasoline				
<u>Engine Limits</u>	For all operations, 2700 r.p.m. (200 hp)				
<u>Propeller and Propeller Limits</u>	Hartzell constant speed Model HC-C2YK-1 ()/7666A-2 or HC-C2YK-1 ()F/7666A Pitch: High 29.0° ±2°, Low 14.0° ±2° at 30 " Station Diameter: Not over 74", not under 72.5" Governor Assembly: Hartzell F-2-7 () Avoid continuous operation between 2000 - 2350 r.p.m.				
<u>Propeller Spinner</u>	Piper P/N 66785 spinner tip and P/N 66786 spinner shell or P/N 67790-0 spinner, P/N 67791-0 bulkhead, P/N 67793-0 bulkhead, and P/N 99499-0 plate. Two each P/N 67794-0 cuff or Kit 760 410V. See NOTE 11.				
<u>Airspeed Limits</u>	Never exceed	214 mph	(186 knots)	CAS	
	Maximum structural cruising	170 mph	(148 knots)	CAS	
	Maneuvering	134 mph	(116 knots)	CAS	
	Flaps Extended	125 mph	(109 knots)	CAS	
	Maximum gear extension	150 mph	(130 knots)	CAS	
	Maximum gear retraction	125 mph	(109 knots)	CAS	
<u>Center of Gravity Range</u>	(+81.0) to (+95.9) at 1925 lb. or less (+90.0) to (+95.9) at 2600 lb. Straight line variation between points given. Moment due to retracting of landing gear (+819 in-lb.)				
<u>Empty Weight C. G. Range</u>	None				
<u>Maximum Weight</u>	2600 lb.				
<u>No. of Seats</u>	4 (2 at +85.5, 2 at +118.1)				
<u>Maximum Cargo</u>	200 lb. (at +142.8)				
<u>Fuel Capacity</u>	50 gallons at (+95)(2 wing tanks) See NOTE 1 for data on system fuel.				
<u>Oil Capacity</u>	8 quarts at (+29.5) (6 quarts usable) See NOTE 1 for data on system oil.				
<u>Control Surface Movements</u>	Wing flaps	(±2°)	Up	0°	Down 40°
	Ailerons	(±2°)	Up	30°	Down 15°
	Rudder	(±2°)	Left	27°	Right 27°
	Stabilator	(±1°)	Up	18°	Down 2°
	Stabilator Tab	(±1°)	Up	3°	Down 12°
<u>Nose Wheel Travel</u>	(±2°)	Left	30°	Right	30°
<u>Manufacturer's Serial Numbers</u>	28R-35001 through 28R-35820, and 28R-7135001 through 28R-7135229. The manufacturer is authorized to issue airworthiness certificates for airplanes serial numbers 28R-35001 through 28R-35820, and 28R-7135001 through 28R-7135229 under the delegation option provisions of FAR 21.				