

<u>Maximum Cargo</u>	800 lb. at (+14)
<u>Fuel Capacity</u>	40 gallons at (-14.9) (one fuselage tank) See NOTE 1 for data on system fuel.
<u>Oil Capacity</u>	8 quarts at (-47) (6 quarts usable) See NOTE 1 for data on system oil.
<u>Control Surface Movements</u>	Wing Flaps Down 57° Aileron Up 23° Down 23° Elevator Up 28° Down 15° Rudder Right 25° Left 25°
<u>Manufacturer's Serial Numbers</u>	25-1 through 25-731

II. - Model PA-25-235, 1 PCLM (Restricted Category Only), Approved March 14, 1962.

<u>Engine</u>	Lycoming O-540-B2B5 or O-540-B2C5 with carburetor setting #10-4404-1																
<u>Fuel</u>	80/87 minimum grade aviation gasoline																
<u>Engine limits</u>	For all operations, 2575 r.p.m. (235 hp)																
<u>Propeller and Propeller Limits</u>	<ol style="list-style-type: none">1. McCauley 1A200-FA (Eligible on S/N 25-02; 25-2000 through 25-5521; and 25-7305522 through 25-8156024): Static r.p.m. at maximum permissible throttle setting: Not over 2350 r.p.m., not under 2250 r.p.m. No additional tolerance permitted Diameter: Not over 84 inches, not under 82.3 inches Spinner required: Piper Drawing No. 643362. McCauley 1P235-AFA (Eligible on S/N 25-02, and 25-2000 through 25-4171): Static r.p.m. at maximum permissible throttle setting: Not over 2500 r.p.m., not under 2400 r.p.m. No additional tolerance permitted Diameter: Not over 84 inches, not under 82.3 inches Spinner required: Piper Drawing No. 14422 <p>See NOTE 6 for aircraft climb performance related to each propeller.</p>																
<u>Airspeed Limits (CAS)</u>	<table><tr><td>V_{ne}</td><td>Never exceed</td><td>156 mph</td><td>(135 knots)</td></tr><tr><td>V_{no}</td><td>Maximum structural cruising</td><td>124 mph</td><td>(108 knots)</td></tr><tr><td>V_p</td><td>Maneuvering</td><td>120 mph</td><td>(104 knots)</td></tr><tr><td>V_{fe}</td><td>Flaps Extended</td><td>109 mph</td><td>(95 knots)</td></tr></table>	V_{ne}	Never exceed	156 mph	(135 knots)	V_{no}	Maximum structural cruising	124 mph	(108 knots)	V_p	Maneuvering	120 mph	(104 knots)	V_{fe}	Flaps Extended	109 mph	(95 knots)
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<u>Center of Gravity Range</u>	(+88.4) to (+92.5) at 2900 lb. (+85.6) to (+92.5) at 1793 lb. or less Straight line variation between points given.																
<u>Empty Weight Center of Gravity Range</u>	None																
<u>Datum</u>	78 inch forward of leading edge of wing																
<u>Leveling Means</u>	Top longerons in cockpit bay																
<u>Maximum Weight</u>	2900 lb.																
<u>No. of Seats</u>	1 at (+135)																

<u>Maximum Cargo</u>	1200 lb. at (+93)												
<u>Fuel Capacity</u>	S/N 25-02, and 25-2000 through 25-3384: 42 gallons at (+63) (one fuselage tank) S/N 25-3385 through 25-5521, and 25-7305522 through 25-7405572: 38 gallons at (+63) (one fuselage tank) S/N 25-7405573 through 25-8156024: 36 gallons at (+102) (two wing tanks) See NOTE 1 for data on system fuel.												
<u>Oil Capacity</u>	12 quarts at (+30) (9¼ quarts usable) See NOTE 1 for data on system oil.												
<u>Control Surface Movements</u>	<table border="0"> <tr> <td>Wing Flaps</td> <td></td> <td>Down 57°</td> </tr> <tr> <td>Aileron</td> <td>Up 23°</td> <td>Down 23°</td> </tr> <tr> <td>Elevator</td> <td>Up 28°</td> <td>Down 15°</td> </tr> <tr> <td>Rudder</td> <td>Right 25°</td> <td>Left 25°</td> </tr> </table>	Wing Flaps		Down 57°	Aileron	Up 23°	Down 23°	Elevator	Up 28°	Down 15°	Rudder	Right 25°	Left 25°
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<u>Manufacturer Serial Numbers</u>	25-02, 25-2000 through 25-5521, and 25-7305522 through 25-8156024. The manufacturer is authorized to issue airworthiness certificates for serial numbers 25-4670 through 25-5521, and 25-7305522 through 25-8156024 under the delegation option provisions of FAR 21. See NOTE 7 for airworthiness certification eligibility in the United States.												

III. - Model PA-25-260, 1 PCLM (Restricted Category Only), Approved April 19, 1967.

<u>Engine</u>	Lycoming O-540-G1A5 or O-540-G2A5 with carburetor setting #10-4404-1																
<u>Fuel</u>	100/130 minimum grade aviation gasoline																
<u>Engine Limits</u>	For all operations, 2700 r.p.m. (260 hp)																
<u>Propeller and Propeller Limits</u>	<ol style="list-style-type: none"> 1. McCauley 1A200-FA Static r.p.m. at maximum permissible throttle setting: Not over 2425 r.p.m., not under 2325 r.p.m. No additional tolerance permitted Diameter: Not over 84 inches, not under 82.3 inches Spinner required: Piper Drawing No. 64336 2. Hartzell constant speed model HC-C2YK-1()/8477-0 (Eligible on O-540-G1A5 engine only): Pitch setting at 30" station: High 32.0°, Low 11.8° Diameter: Not over 84.0 inches, not under 83.0 inches Governor Assembly: Hartzell F-4-4 () Spinner: None approved. 3. McCauley constant speed model B2D34C16-()84HF-0 (Eligible on O-540-G1A5 engine only): Pitch setting at 30" station: High 27.0°, Low 11.0° Diameter: Not over 84.0 inches, not under 82.5 inches Governor Assembly: McCauley C290D2()/T10 Spinner: None approved. 																
<u>Airspeed Limits (CAS)</u>	<table border="0"> <tr> <td>V_{ne}</td> <td>Never exceed</td> <td>156 mph</td> <td>(135 knots)</td> </tr> <tr> <td>V_{no}</td> <td>Maximum structural cruising</td> <td>124 mph</td> <td>(108 knots)</td> </tr> <tr> <td>V_p</td> <td>Maneuvering</td> <td>120 mph</td> <td>(104 knots)</td> </tr> <tr> <td>V_{fe}</td> <td>Flaps Extended</td> <td>109 mph</td> <td>(95 knots)</td> </tr> </table>	V _{ne}	Never exceed	156 mph	(135 knots)	V _{no}	Maximum structural cruising	124 mph	(108 knots)	V _p	Maneuvering	120 mph	(104 knots)	V _{fe}	Flaps Extended	109 mph	(95 knots)
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<u>Center of Gravity Range</u>	(+88.4) to (+92.5) at 2900 lb. (+85.6) to (+92.5) at 1793 lb. or less Straight line variation between points given.
<u>Empty Weight</u> <u>Center of Gravity Range</u>	None
<u>Datum</u>	78 inch forward of leading edge of wing
<u>Leveling Means</u>	Top longerons in cockpit bay
<u>Maximum Weight</u>	2900 lb.
<u>No. of Seats</u>	1 at (+135)
<u>Maximum Cargo</u>	1200 lb. at (+93)
<u>Fuel Capacity</u>	S/N 25-4415 through 25-5521, and 25-7305522 through 25-7405572: 38 gallons at (+63) (one fuselage tank) S/N 25-7405573 through 25-8156024: 36 gallons at (+102) (two wing tanks) See NOTE 1 for data on system fuel.
<u>Oil Capacity</u>	12 quarts at (+30) (9¼ quarts usable) See NOTE 1 for data on system oil.
<u>Control Surface Movements</u>	Wing Flaps Down 57° Aileron Up 23° Down 23° Elevator Up 28° Down 15° Rudder Right 25° Left 25°
<u>Manufacturer's Serial Numbers</u>	25-4415 through 25-5521, and 25-7305522 through 25-8156024. The manufacturer is authorized to issue airworthiness certificates for serial numbers 25-4670 through 25-5521, and 25-7305522 through 25-8156024 under the delegation option provisions of FAR 21. See NOTE 7 for airworthiness certification eligibility in the United States.

DATA PERTINENT TO ALL MODELS

<u>Certification Basis</u>	CAR 8.10(b), effective October 11, 1950. Restricted Type Certificate No. 2A10 issued May 20, 1959, for the special purpose of agricultural operations. Date of Application for Type Certificate March 7, 1959.
<u>Production Basis</u>	Approved for manufacture of spare parts only under Production Certificate No. 206.
<u>Equipment</u>	The basic required equipment prescribed in the applicable airworthiness regulations (see Certification Basis) must be installed on the aircraft for certification. In addition, the following items of equipment are required: <ol style="list-style-type: none">1. FAA Approved Airplane Flight Manual dated May 20, 1959, for S/N 25-1 and 25-2, only.2. Sprayer and/or duster equipment installation in accordance with Piper Instructions Section XVI, Report VB-1 (Piper Report 1019), on S/N 25-3 through 25-1999. Low volume installation: 52.5 lb. at (+34.7) High volume installation: 58.0 lb. at (+37.7) Duster installation: 32.0 lb. at (+20.9)

Equipment (cont.)

3. Stall warning indicator device in accordance with Piper Drawing Nos. 61093 and 61128 on S/N 25-3 through 25-1999.

Piper Drawing Nos. 64031 and 64253 on S/N 25-02, 25-2000 through 25-4171; Piper Drawing Nos. 64031 and 64834 on S/N 25-4172 through 25-5521, and 25-7305522 through 25-8156024.
4. Hopper installation per Piper Drawing No. 64211 and either sprayer installation per Piper Drawing No. 64152, or duster installation per Piper Drawing No. 64303 for S/N 25-02, 25-2000 through 25-2985.
5. Hopper installation per Piper Drawing No. 64511 and either sprayer installation per Piper Drawing No. 64586, or Duster installation per Piper Drawing No. 64599 for S/N 25-2986 through 25-5521, and 25-7305522 through 25-8156024.

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 time of original certification.

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

Model PA-25:	Fuel	14 lb.	at	(-23)
	Oil	3.2 lb.	at	(-47)
Model PA-25-235, S/N 25-02, 25-2000 through 25-3384:	Fuel	18 lb.	at	(+55)
	Oil	5.2 lb.	at	(+30)
Model PA-25-235, S/N 25-3385 through 25-5521, and 25-7305522 through 25-7405572:	Fuel	12 lb.	at	(+55)
	Oil	5.2 lb.	at	(+30)
Model PA-25-260, S/N 25-4415 through 25-5521, and 25-7305522 through 25-7405572:	Fuel	12 lb.	at	(+55)
	Oil	5.2 lb.	at	(+30)
Models PA-25-235 and PA-25-260, S/N 25-7405573 through 25-8156024:	Fuel	15 lb.	at	(+110)
	Oil	5.2 lb.	at	(+30)

NOTE 2

The following placards must be displayed:

- (a) In front and in clear view of the pilot:
 - (1) On Model PA-25, S/N 25-1 through 25-1999:
"THIS AIRPLANE MUST BE OPERATED IN THE NORMAL CATEGORY IN COMPLIANCE WITH THE OPERATING LIMITATIONS STATED IN THE FORM OF PLACARDS, MARKINGS, AND MANUAL. ACROBATIC MANEUVERS (INCLUDING SPINS) PROHIBITED. FOR RESTRICTED CATEGORY OPERATION, REFER TO ADDITIONAL LIMITATIONS."
 - (2) On Model PA-25-235, S/N 25-02, 25-2000 through 25-2761:
"THIS AIRPLANE MUST BE OPERATED IN THE RESTRICTED CATEGORY IN COMPLIANCE WITH OPERATING LIMITATIONS STATED IN THE FORM OF PLACARDS AND MARKINGS. ACROBATIC MANEUVERS (INCLUDING SPINS) PROHIBITED."

- NOTE 2 (cont.)
- (a) In front and in clear view of the pilot:
 - (3) On Model PA-25-235, S/N 25-2762 through 25-4414; and on Models PA-25-235 and PA-25-260, S/N 25-4415 through 25-5521, and 25-7305522 through 25-8156024:
"THIS AIRPLANE MUST BE OPERATED IN THE RESTRICTED CATEGORY IN COMPLIANCE WITH OPERATING LIMITATIONS STATED IN THE FORM OF PLACARDS AND MARKINGS. ACROBATIC MANEUVERS (INCLUDING SPINS) PROHIBITED. FOR NORMAL CATEGORY OPERATION, REFER TO FLIGHT MANUAL."
 - (b) In cabin accessible to pilot for all Restricted Category PA-25, PA-25-235 and PA-25-260, display "OPERATING LIMITATIONS - RESTRICTED CATEGORY ONLY" placard in accordance with Piper Drawing No. 61631.
 - (c) On hopper:
 - Model PA-25: "800 lb. maximum"
 - Model PA-25-235: "1200 lb. maximum"
 - Model PA-25-260: "1200 lb. maximum"
 - (d) Models PA-25-235 and PA-25-260 - On checklist above instrument panel:
"WINDOWS CLOSED"
 - (e) Models PA-25-235, S/N 25-2762 through 25-4414; and PA-25-235 or PA-25-260, S/N 25-4415 through 25-5521, and 25-7305522 through 25-8156024 - On the instrument panel in full view of the pilot:
"ROUGH AIR OR MANEUVERING SPEED 120 M.P.H."
 - (f) Model PA-25-235, S/N 25-02 , 25-2000 through 25-3384 - On safety panel above instrument panel in full view of the pilot:
"UNUSABLE FUEL 3 GALLONS. WHEN FUEL QUANTITY INDICATOR READS ZERO, FUEL REMAINING IN TANK CANNOT BE USED SAFELY IN FLIGHT."

Models PA-25-235, S/N 25-3385 through 25-4414; and PA-25-235 or PA-25-260, S/N 25-4415 through 25-5521, and 25-7305522 through 25-7405572 - On safety panel above instrument panel in full view of pilot:
"UNUSABLE FUEL 2 GALLONS. WHEN FUEL QUANTITY INDICATOR READS ZERO, FUEL REMAINING IN TANK CANNOT BE USED SAFELY IN FLIGHT."

Model PA-25-235 or PA-25-260, S/N 25-7405573 through 25-8156024 - On safety panel above instrument panel in full view of pilot:
"UNUSABLE FUEL 2.5 GALLONS. WHEN FUEL QUANTITY INDICATOR READS ZERO, FUEL REMAINING IN TANK CANNOT BE USED SAFELY IN FLIGHT."
 - (g) On Models PA-25-235 and PA-25-260 - On instrument panel in clear view of the pilot:
"NO SMOKING"
 - (h) On Models PA-25-235, S/N 25-2762 through 25-4414; and PA-25-235 or PA-25-260, S/N 25-4415 through 25-5521, and 25-7305522 through 25-8156024 - In front and in clear view of the pilot:
"STALL WARNING SYSTEM INOPERATIVE WHEN MASTER SWITCH IS OFF."
 - (i) On Models PA-25-235 and PA-25-260, S/N 25-7405573 through 25-8156024 - Above and near the fuel quantity gauge:
"FUEL CAPACITY 36 GALLONS"
 - (j) On Model PA-25-235 and PA-25-260, S/N 25-7405573 through 25-8156024 - Adjacent to low fuel level light on auxiliary instrument panel:
"LOW FUEL WARNING"

NOTE 3 The Model PA-25, S/N 25-2 through 25-1999 (Restricted Category) is the same as the Normal Category PA-25 except for installation of spray or dust dispensing equipment. Conversion from sprayer or duster configuration may be accomplished using Piper Instructions Section XVI of Report 1019. When operating in the Normal Category, FAA Type Certificate Data Sheet No. 2A8 will apply.

NOTE 4 In addition to the operating limitations in this data sheet, area economic, passenger, and other appropriate operating limitations in accordance with CAR 8 shall be shown on placards or listing accessible to the pilot.

NOTE 5 Model PA-25-235, S/N 25-2000 through 25-2761 are eligible for Multiple Airworthiness Certification when all placards are revised to the configuration of S/N 25-2762 through 25-25-5521, and 25-7305522 through 25-8156024. Airplane Flight Manual listed under equipment Item 1(d) of Type Certificate Data Sheet No. 2A8 required.

Model PA-25-235, S/N 25-2762 through 25-2985 are eligible for Multiple Airworthiness Certification in the Restricted Category and Normal Category in accordance with CAR 8.21 and Conversion Instructions, Section XVI of Piper Report VB-7, Revision No. 2, dated October 5, 1964. When operating in the Restricted Category, Type Certificate Data Sheet No. 2A10 shall apply. When operating in the Normal Category, Type Certificate Data Sheet No. 2A8 shall apply.

Model PA-25-235, S/N 25-2986 through 25-4414; and Model PA-25-235 or PA-25-260, S/N 25-4415 through 25-5521, and 25-7305522 through 25-8156024, are eligible for Multiple Airworthiness Certification in the Restricted Category and Normal Category in accordance with CAR 8.21 and Conversion Instructions, Section III of Piper Report VB-42, Revision No. 6, dated February 22, 1967. When operating in the Restricted Category, Type Certificate Data Sheet No. 2A10 shall apply. When operating in the Normal Category, Type Certificate Data Sheet No. 2A8 shall apply.

NOTE 6 Airplane Climb Performance - Sea Level, Standard Day:

<u>Configuration</u>	<u>Weight</u>	<u>Propeller</u>	<u>Rate of Climb</u>
"Duster"	2900 lb.	1P235-AFA	500 f.p.m.
		1A200-FA	440 f.p.m.

NOTE 7 The following S/N are not eligible for Airworthiness Certification in the United States:

25-4894, 25-5027, 25-5030, 25-5033, 25-5057, 25-5066, 25-5069, 25-5072, 25-5075, 25-5097, 25-5100, 25-5102, 25-5106, 25-5269, 25-5271, 25-5273, 25-5275, 25-5284 through 25-5293, 25-5315, 25-5316, 25-5318, 25-5320, 25-5454, 25-5455, 25-5456, 25-5457, 25-7305528, 25-7305530, 25-7305532, 25-7405591, 25-7405596, 25-7405613, 25-7405620, 25-7405631, 25-7405642, 25-7405652, 25-7405658, 25-7405662, 25-7405672, 25-7405679, 25-7405686, 25-7405690, 25-7405692, 25-7405694, 25-7405696, 25-7405698, 25-7405701, 25-7405704, 25-7405705, 25-7405706, 25-7405708, 25-7405714, 25-7405716, 25-7556030, 25-7556035, 25-7556040, 25-7556045, 25-7556050, 25-7556052, 25-7556057, 25-7556062, 25-7556065, 25-7556067, 25-7556069, 25-7556071, 25-7556073, 25-7556075, 25-7556077, 25-7556080, 25-7556090, 25-7556095, 25-7556100, 25-7556105, 25-7556110, 25-7556115, 25-7556120, 25-7556125, 25-7556135, 25-7556140, 25-7556145, 25-7556150, 25-7556153, 25-7556159, 25-7556162, 25-7556166, 25-7556226, 25-7556227, 25-7556228, 25-7556229, 25-7556230, 25-7556231, 25-7556232, 25-7556233, 25-7656078, 25-7656091, 25-7756072 through 25-7756081, 25-7756087 through 25-7756095, 25-7856001 through 25-7856004, 25-7856006, 25-7856008, 25-7856010, 25-7856012, 25-7856016, 25-7856018, 25-7856020, 25-7856022, 25-7856032, 25-7856034, 25-7856036, 25-7856038, 25-7856043, 25-7856045, 25-7856047, 25-7856049, 25-7856055, 25-7856057, 25-7856063, 25-7856065, 25-7856066, 25-7856067, 25-7856069, 25-7856071, 25-7956004, 25-7956006, 25-7956009 through 25-7956012, 25-7956014, 25-7956016, 25-7956019, 25-7956020, 25-7956022, 25-7956025, 25-7956027, 25-7956029, 25-7956031, 25-7956033, 25-7956036, 25-7956038, 25-7956041, 25-7956042, 25-8056004, 25-8056005, 25-8056008, 25-8056009, 25-8056011, 25-8056013, 25-8056016, 25-8056018, 25-8056021, 25-8056022, 25-8056026, 25-8056028, 25-8056041, 25-8056043, 25-8056046, and 25-8056048.

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