

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

760 Revision 1 FS 2000 Corp L-14 March 30, 2001

AIRCRAFT SPECIFICATION NO. 760

Type Certificate Holder	FS 2000 Corp 709 Dupont Street, P.O. Box 1678 Bellingham, WA 98227-1678
Type Certificate Ownership Record	The New Piper Aircraft, Inc 2926 Piper Drive Vero Beach, Florida 32960 TC-760 transferred 9-25-00; reissued 3-30-01

**Model L-14: 3 PCLM (Normal Category, See Note 1(b)); 3 PCLM (Utility Category, See Note 1(a));
Approved July 31, 1945**

<u>Engine</u>	Lycoming O-290-C
<u>Fuel</u>	73 minimum octane aviation gasoline
<u>Engine Limits</u>	Take-off--2800 rpm (130 hp) All other operations – 2600 rpm (125 hp)
<u>Airspeed Limits</u> (True Indicated)	Level Flight or Climb 125 mph (109 knots) Glide or dive 169 mph (147 knots) Flaps Extended 81 mph (70 knots)
<u>Propeller limits</u> (Static rpm at maximum permissible throttle setting)	Not more or less than 2350 rpm
<u>Diameter</u>	Not more than 76 inches Not less than 74 inches
<u>C. G. Range</u>	(+11.0) to (+20.0)
<u>Datum</u>	Wing leading edge
<u>Leveling Means</u>	Plumb bob from lug on fuselage member between wing hinge fittings to fixed point on floorboard at door.
<u>Maximum Weight</u>	1800 lbs.
<u>Number of Seats</u>	3 (two (+38), pilot (+9)) (See NOTE 1 for alternate arrangement with copilot or attendant (+15), patient (+55))
<u>Baggage</u>	None
<u>Fuel Capacity</u>	30 gallons (two wing tanks at 14 gallons (+23); fuselage header tank at 2 gallons (-16))
<u>Oil Capacity</u>	2 gallons (-39)

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<u>Control Surface Movements</u> (relative to airplane ref. axis)	Elevator	22°	Up	30°	Down
	Rudder	16°	right	17°	Left
	Ailerons	28°	Up	23°	Down
	Stabilizer	-2°		-12°	Down
	Flaps	40°	Down		(maximum)

Serial Numbers Eligible 5-3000 and up

Required Equipment Items 1, 101, 201, 202, and 406

SPECIFICATIONS PERTINENT TO ALL MODELS

Certification Basis Type Certificate No. 760 (CAR 4a)

Production Basis None (See NOTE A)

Export Eligibility Eligible for export to all countries except Great Britain, Australia, Canada, and New Zealand

EQUIPMENT: (Plus sign (+) indicates net increase)

Propellers and Propeller Accessories

- | | | |
|---|---------|-------|
| 1. Propeller - Sensenich 76JB44, or any other fixed pitch wood propeller which is eligible for the engine speed and power and which meets the static RPM and diameter specified on page 1 | 14 lbs. | (-57) |
|---|---------|-------|

Engines and Engine Accessories - Fuel and Oil Systems

- | | | |
|---|--------|-------|
| 101. Carburetor air heater and control | 2 lbs. | (-30) |
| 102. Carburetor air scoop and filter (Skinner or equivalent) | 3 lbs | (-45) |
| 103. Cabin Heater | 3 lbs | (-32) |
| 104. Starter, Eclipse Model 56C, Type 756 (24V) | 19 lbs | (-27) |
| 105. Generator, Eclipse Model 2, Type 1235 | 17 lbs | (-27) |

Landing Gear and Floats

- | | | |
|---|--------|--------|
| 201. 6.00-6 wheels (Hayes 601M) with expander tube brakes and 7.00-6, 4 ply tires | 33 lbs | (-2) |
| 202. 6x2.00 steerable tail wheel and tire (Scott3-24E) | 6 lbs | (+197) |

Electrical Equipment

- | | | |
|--|------------------|-------|
| 301. Voltage Regulator, Eclipse Model I, Type 1524 | 2 lbs | (-16) |
| 302. Battery, 24 volt, 12AC7D and solenoid | 35 lbs | (+72) |
| 303. Landing light (AN3095-2A) | 6 lbs | (+14) |
| 304. Position lights (must be of approved type – see NOTE 2) | 3 lbs | (+65) |
| 305. Dome Lights (Piper) | No weight change | |

Interior Equipment

- | | | |
|---|--------|-------|
| 401. Litter | 30 lbs | (+61) |
| 402. Attendant and co-pilot seat | 5 lbs | (+15) |
| 403. Litter tie down equipment | 2 lbs | (+65) |
| 406. Instruments (required) (airspeed indicator, tachometer, oil pressure and temperature gage, altimeter, compass) | 6 lbs | (-9) |
| 407. Instruments (optional) (clock, turn and bank indicator, rate of climb indicator, ammeter) | 4 lbs | (-9) |

- NOTE A. Prior to original certification, each aircraft must satisfactorily pass:
- (a) An inspection for workmanship, materials and conformity before any covering, metal priming or final finish is applied. All woodwork may be varnished.
 - (b) A final inspection of the completed aircraft.
 - (c) A check of the flight characteristics.
- NOTE 1. The following alternate seating arrangement is authorized:
- (a) When the aircraft is used as an ambulance:
 - (1) The litter installation (item 401) replaces the rear seat.
 - (2) The attendant's seat (item 402) is installed adjacent to the pilot's seat.
 - (3) With this seating arrangement the total number of occupants is limited to three.
 - (b) When the aircraft is used for observation:
 - (1) Co-pilot's seat (item 402) is installed adjacent to pilot's seat.
 - (2) With this seating arrangement, pilot and co-pilot occupy the two forward seats with one person seated on the rear seat.
 - (3) With this seating arrangement the total number of occupants is limited to three.
- NOTE 2. The following apply to position lights and tail lights:
- (a) If Army Type A-9 position lights are installed, the sand blasted area on the inside of the streamlined glass cover should be painted black. As an alternative, the streamlined glass cover may be replaced by a glass globe and a streamlined metal cover obtained from a Grimes Model E light.
 - (b) If an approved AN3092-2 tail light is installed, it should be replaced with an approved tail light.

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