
1984

Turbo Arrow IV







Piper Aircraft Corporation

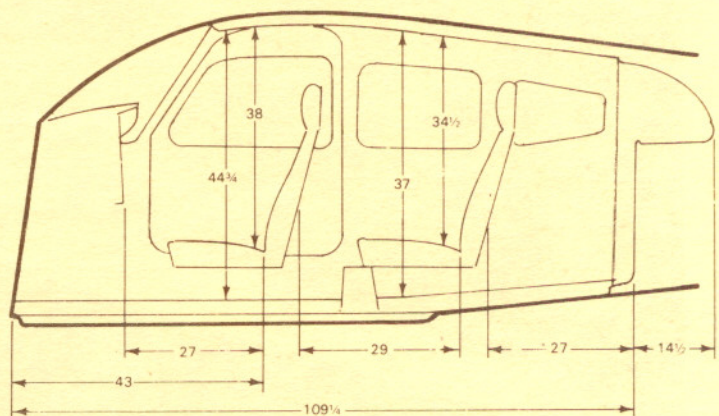
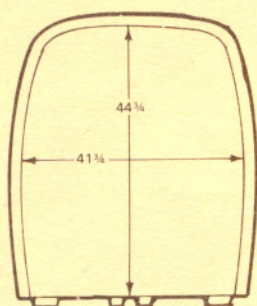
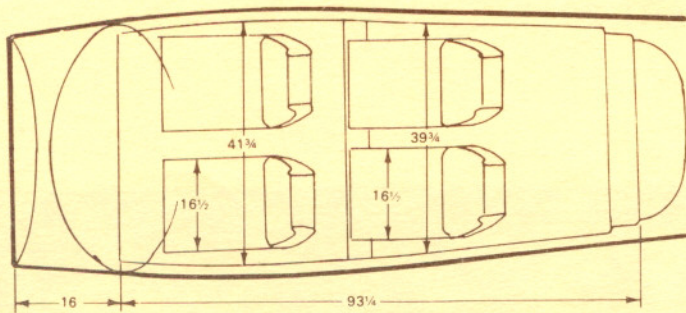
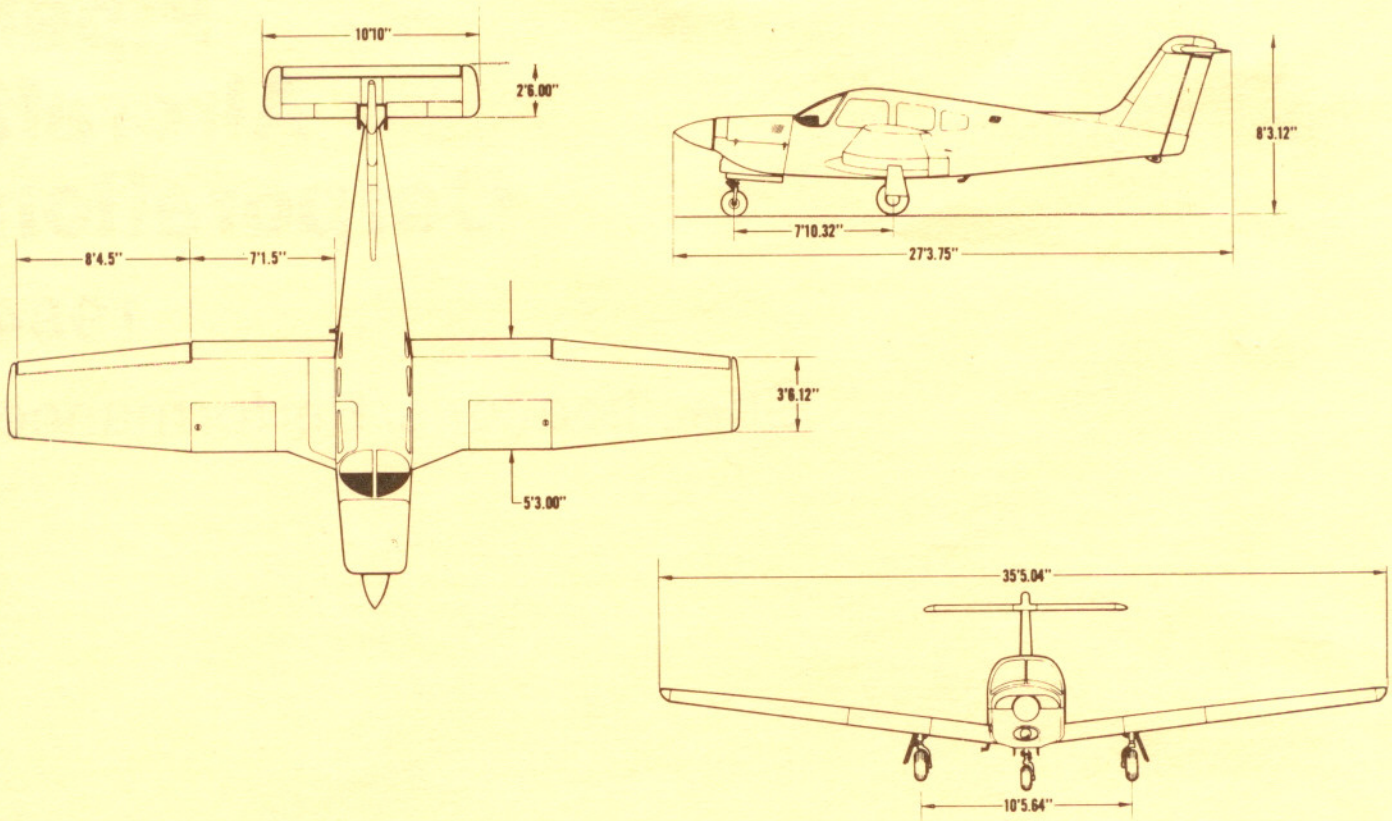
1984

Specifications/Performance

Turbo Arrow IV

PA 28RT-201T





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PA 28RT-201T

Specifications

ENGINE

Manufacturer	Continental
Model	TSIO-360-FB
Rating (hp @ rpm) (Take-off)	200 @ 2575
Rating (hp @ rpm) (Continuous)	200 @ 2575
Number of Cylinders	6
Recommended TBO (hrs.)	1800

PROPELLER

Manufacturer	Hartzell
Number of Blades	2
Type	Constant Speed
Diameter (in./cm.)	76/193

WEIGHTS

Ramp Weight (lbs./kg.)	2912/1321
Gross Weight (lbs./kg.)	2900/1315
Standard Empty Weight (lbs./kg.)	1692/767
(Includes: unusable fuel, full operating fluids and full oil)	
Standard Useful Load (lbs./kg.)	1208/548

WING AREA AND LOADINGS

Wing Area (ft. ² /m ²)	170/15.8
Wing Loading (lbs./ft. ²) (kg./m ²)	17.0/83.0
Power Loading (lbs./hp) (kg./hp)	14.5/6.6

DIMENSIONS

Wing Span (ft./m)	35.4/10.8
Length (ft./m)	27.3/8.3
Height (ft./m)	8.3/2.5
Cabin Length (Instrument Panel to Rear Bulkhead) (in./cm.)	93.25/236.9
Cabin Width (in./cm.)	41.75/106.1
Cabin Height (in./cm.)	44.75/113.7
Headroom (Seat to Ceiling)	
Front Seat (in./cm.)	38/96.5
Rear Seat (in./cm.)	34.5/87.6
Baggage Door Size (in./cm.)	22/55.9 x 20/55.8
Cabin Door Size (in./cm.)	36/91.4 x 35/88.9
Wheel Base (ft./m)	7.86/2.40
Wheel Tread (ft./m)	10.47/3.19

FUEL CAPACITY

Two 38.5 gal. tanks (gal./L)	77/291.4
Usable Fuel (gal./L)	72/272.5

OIL CAPACITY (qts./L)

8/7.57

BAGGAGE

Volume (ft ³ /m ³)	26/.74
(with 2 cu. ft. hat shelf)	
Capacity (lbs./kg.)	200/91

Performance

MAXIMUM SPEED (kts./kmh)	178/328 (14,000 ft.)	
(TAS at Gross Weight)	(205 mph)	

CRUISING SPEEDS (TAS at Gross Weight)	Best Power	Best Economy
Optimum Altitude		
High Speed Cruise Power (75%) (kts./kmh)	172/318	168/311
Economy Cruise Power (65%) (kts./kmh)	167/308	164/302
Long Range Cruise Power (55%) (kts./kmh)	157/291	153/284

CRUISE RANGE

(Cruising range includes 45-minute fuel reserve at long range cruise power plus allowance for fuel used during taxi, take-off climb at MCP, cruise at optimum altitude and stated mixture plus descent)

	Best Power	Best Economy
High Speed Cruise Power (75%) (nm/km)	695/1278	790/1463
Economy Cruise Power (65%) (nm/km)	725/1343	830/1537
Long Range Cruise Power (55%) (nm/km)	775/1435	900/1667

FUEL CONSUMPTION

	Best Power	Best Economy
High Speed Cruise Power (75%) (gph./lph)	14.0/53.0	12.0/45.4
Economy Cruise Power (65%) (gph./lph)	12.7/48.1	10.8/40.9
Long Range Cruise Power (55%) (gph./lph)	11.0/41.6	9.2/34.8

RATE OF CLIMB (At Sea Level and Gross Wt.)

Full Throttle (fpm/MPM)	940/286
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STALL SPEED

	IAS	CAS
Flaps Down, Full 40° (kts./kmh)	61/113	58/107
Flaps Up (kts./kmh)	66/122	63/117

SERVICE CEILING (100 fpm) (ft./m)

20,000+ / 6100+*

TAKE-OFF DISTANCE

(Sea Level, Zero Wind, Standard Temperature, 25° Flaps)	
Ground Run (ft./m)	1110/337
Total over 50-ft. obstacle (ft./m)	1620/493

LANDING DISTANCE

(Sea Level, Zero Wind, Standard Temperature)	
Ground Roll (ft./m)	645/196
Total over 50-ft. obstacle (ft./m)	1560/475

*20,000 ft. is maximum approved altitude for the Turbo Arrow IV.