

2002 Baron 58

Performance / Specifications

Maximum Speed (6,000 FT At 5,200 LB)

202 KTS

Cruise Speeds (TAS At 5,200 LB)

Maximum Cruise Power 25 In. Hg (Or Full Throttle) @ 2,500 RPM

6,000 FT	202 KTS (233 MPH)
8,000 FT	200 KTS (230 MPH)
10,000 FT	198 KTS (228 MPH)

Normal Cruise Power 23 In. Hg (Or Full Throttle) @ 2,300 RPM

6,000 FT	190 KTS (219 MPH)
8,000 FT	192 KTS (221 MPH)
10,000 FT	189 KTS (217 MPH)

Maximum Range Power 21 In. Hg (Or Full Throttle) @ 2,100 RPM

6,000 FT	159 KTS (183 MPH)
8,000 FT	164 KTS (189 MPH)
10,000 FT	167 KTS (192 MPH)

Range

Allowance: Start, Taxi, Take-Off, Climb, Cruise, Descent, VFR Profile Reserves
(45 Minute Hold @ 5,000 FT A.G.L.) At Holding Power

Loading: 1 Pilot (170 LB) + 2 Passengers (340 LB Payload), Maximum Available Fuel (166 Gallon Tanks)

Conditions: Zero Wind, 3,960 LB Empty Weight 5,442 LB Take-Off Weight

Maximum Cruise Power 25 In. Hg (Or Full Throttle) @ 2,500 RPM

6,000 FT	877 NM (1,009 SM)
8,000 FT	928 NM (1,068 SM)
10,000 FT	973 NM (1,120 SM)

Normal Cruise Power 23 In. Hg (Or Full Throttle) @ 2,300 RPM

6,000 FT	954 NM (1,098 SM)
8,000 FT	971 NM (1,117 SM)
10,000 FT	1,081 NM (1,244 SM)

Maximum Range Power 21 In. Hg (Or Full Throttle) @ 2,100 RPM

6,000 FT	1,283 NM (1,476 SM)
8,000 FT	1,265 NM (1,456 SM)
10,000 FT	1,276 NM (1,468 SM)

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Rate Of Climb At 5,500 LB

Two Engines - Sea Level	1,735 FPM
Single Engine - Sea Level	390 FPM

Service Ceiling At 5,500 LB

Two Engines (100 FPM)	20,688 FT
Single Engine (50 FPM)	7,284 FT

Stall Speed, IAS At 5,500 LB (Power Idle)

Flaps Down	73 KTS (84 MPH)
Flaps Up	84 KTS (97 MPH)

Take-Off Distance At 5,500 LB, ISA, Sea Level, Zero Wind

Ground Run	1,400 FT
Total Distance Over 50 FT Obstacle	2,300 FT

Landing Distance At 5,400 LB, ISA, Sea Level, Zero Wind

Ground Roll	1,425 FT
Total Distance Over 50 FT Obstacle	2,450 FT

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Weights

Maximum Ramp Weight	5,524 LB
Maximum Take-Off Weight	5,500 LB
Maximum Landing Weight	5,400 LB
Typically Equipped Empty Weight*	3,960 LB
Useful Load	1,564 LB

*This Value Represents The Average Empty Weight Of A Typically Equipped 2002 Model Year Airplane (Does Not Include Pilot Weight).

Wing Area And Loadings

Wing Area	199.2 SQ FT
Wing Loading	27.6 LB / SQ FT
Power Loading	9.2 LB / HP

Dimensions

Wing Span	37 FT 10 IN
Length	29 FT 10 IN
Height	9 FT 9 IN
Cabin Length	12 FT 7 IN
Cabin Width	3 FT 6 IN
Cabin Height	4 FT 2 IN
Forward Passenger Door	36 IN x 37 IN
Rear Passenger Door Width	45 IN
Rear Passenger Door Height (Forward Side)	40 IN
Rear Passenger Door Height (Aft Side)	35 IN

Usable Fuel / Oil

Standard Capacity	166 GAL 12 QTS Per Engine
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Baggage

Nose Baggage Compartment (300 LB Capacity)	18 CU FT
Center Cabin - Between Spars (200 LB Capacity) (5 th & 6 th Seats Removed)	12 CU FT
Rear Baggage Compartment (400 LB Capacity)	37 CU FT
Extended Rear Compartment (120 LB Capacity)	10 CU FT

Performance Figures Are Based On The Specified Weights Derived From Flight Tests Conducted By Raytheon Aircraft Company Under Factory Controlled Conditions, And Will Vary With Individual Aircraft And Other Factors Affecting Flight Performance.