
King Air B200 Weight Statement

Design Weights

Max. Ramp Weight	12,590 lb.	(5,711 kg.)
Max. Takeoff Weight	12,500 lb.	(5,670 kg.)
Max. Landing Weight.....	12,500 lb.	(5,670 kg.)
Max. Zero Fuel Weight	11,000 lb.	(4,990 kg.)
Fuel Capacity	3,645 lb.	(1,653 kg.)

Weight Breakdown

Basic Empty Weight *.....	8,283 lb.	(3,757 kg.)
1 pilot	200 lb.	(91 kg.)
Basic Operating Weight.....	8,483 lb.	(3,848 kg.)

Typical Options:

Brake De-ice	17 lb.	(8 kg.)
Aft Pyramid Cabinet	30 lb.	(14 kg.)

Typically Equipped Basic Operating Weight **8,530 lb.** **(3,869 kg.)**

Max. Payload	2,470 lb.	(1,120 kg.)
Useful Load	4,060 lb.	(1,842 kg.)

** Basic Empty Weight includes standard interior, avionics, unusable fuel and oil*

Specifications and Performance

Characteristics

Seating (Crew + Pax)	1 + 7 / 15
Wing Loading	41.3 lb./sq. ft.
Power Loading	7.35 lb./SHP
Noise: Takeoff	81.1 dBA

External Dimensions

Length	43 ft. 10 in.	(13.36 m)
Height	14 ft. 10 in.	(4.52 m)
Span	54 ft. 6 in.	(16.61 m)

Engines

Manufacturer	2 P&WC
Model	PT6A-42
Output	850 SHP/ISA+26°C
Inspection Interval	3,600 hrs.

Weights

Max Ramp	12,590 lb.	(5,711 kg.)
Max Takeoff	12,500 lb.	(5,670 kg.)
Max Landing	12,500 lb.	(5,670 kg.)
Max Zero Fuel	11,000 lb.	(4,990 kg.)
Typically Equipped Basic Operating	8,530 lb.	(3,869 kg.)

Payload / Capacities

Max Payload	2,470 lb.	(1,120 kg.)
Useful Load	4,060 lb.	(1,842 kg.)
Max Fuel Capacity	3,645 lb.	(1,653 kg.)
(1 US gal = 6.7 lb./US gal.)	544 US gal.	
Fuel w/max payload	1,590 lb.	(721 kg.)

Specifications and Performance (continued)

Cabin Dimensions

Length	16 ft. 8 in.	(5.08 m)
Height	4 ft. 9 in.	(1.45 m)
Width.....	4 ft. 6 in.	(1.37 m)

Cabin Volume

Cockpit	85 cu. ft.	(2.41 cu. m)
Passenger Cabin	303 cu. ft.	(8.58 cu. m)
(including lav. & bag)		
Total Volume	388 cu. ft.	(10.99 cu. m)

Baggage Capacity

Internal - Heated, Pressurized	55.3 cu. ft./550 lb.(1.57 cu. m/249 kg.)
--------------------------------------	--

Pressurization

Differential.....	6.6 PSI
Sea Level Cabin To (ft.)	15,293 ft.

Specifications and Performance (continued)

Airport Performance

Takeoff Field Length

Max. TO Wt., SL, ISA.....	2,600 ft.	(792 m)
Max. TO Wt., 5,000 ft. elevation, 25°C	3,863 ft.	(1,177 m)

Accelerate-Stop Distance

Max. TO Wt, SL, ISA	3,413 ft.	(1,040 m)
Max. TO Wt, 5,000 ft. elevation, 25°C	4,576 ft.	(1,395 m)

Landing Distance

Max Landing Wt., SL, ISA	2,845 ft.	(867 m)
V _{approach}	103 kt	

Climb Performance (Max Takeoff Weight)

Time to Climb / Altitude	16 min / FL 250	
Climb Rate	2,460 fpm	(750 m/min)
Climb Gradient.....	1,076 ft/ nm	(177 m/km)
Engine-out Rate	740 fpm	(226 m/min)
Engine-out Gradient	364 ft/nm	(60 m/km)

Ceilings

Certified.....	35,000 ft.	(10,668 m)
All Engine Service.....	35,000 ft.	(10,668 m)
Engine-out Service.....	21,900 ft.	(6,675 m)

Cruise Performance

High Speed Cruise

Speed	289 kt/333 mph	(535 km/hr)
Fuel Flow.....	700 lb./hr.	(318 kg./hr)
Altitude	FL 220	

Long Range Cruise

Speed.....	228 kt/262 mph	(422 km/hr)
Fuel Flow.....	378 lb./hr.	(171 kg./hr)
Altitude	FL 290	

Specifications and Performance (continued)

Maximum Range Performance (NBAA IFR reserves (w/100 nm alternate) – High Speed Cruise

Maximum Payload with Available Fuel (2,470 lb. payload)

Range	406 nm	(752 km)
Average Speed	249 kt.	(461 km/hr)
Trip Fuel	923 lb.	(419 kg.)

Maximum Fuel with Available Payload (415 lb. payload)

Range	1,644 nm	(3,045 km)
Average Speed	267 kt.	(494 km/hr)
Trip Fuel	2,999 lb.	(1,360 kg.)

4 passengers (800 lb. payload)

Range	1,407 nm	(2,606 km)
Average Speed	265 kt.	(491 km/hr)
Trip Fuel	2,610 lb.	(1,184 kg.)

Ferry (Zero payload)

Range	1,677 nm	(3,106 km)
Average Speed	270 kt.	(500 km/hr)
Trip Fuel	3,028 lb.	(1,373 kg.)

Mission Performance (4 passengers)

300 nm mission

Flight Time	1 hr. 07 min	
Trip Fuel	792 lb.	(359 kg.)
Flight Level	FL 250	

600 nm mission

Flight Time	2 hr. 13 min	
Trip Fuel	1,324 lb.	(601 kg.)
Flight Level	FL 290	

1,000 nm mission

Flight Time	3 hr. 39 min	
Trip Fuel	2,101 lb.	(953 kg.)
Flight Level	FL 290	