

Specifications and Performance

Beechcraft 1900C Passenger

General Characteristics

Seating (Crew + Passengers).....2 + 19

External Dimensions

Length.....57.9 ft 17.64 m
 Height.....14.9 ft 4.54 m
 Wingspan.....54.5 ft 16.61 m

Engines

Manufacturer..... Pratt & Whitney Canada
 Model..... (2) PT6A-65B
 Output.....1,100 Shaft Horsepower
 Overhaul Interval (Nominal).....6,000 Hours

Weights

Maximum Ramp.....16,710 lb 7,578 kg
 Maximum Takeoff..... 16,600 lb 7,528 kg
 Maximum Landing.....16,100 lb 7,302 kg
 Maximum Zero Fuel (Optional).....15,000 lb 6,803 kg
 Basic Operating*.....10,150 lb 4,603 kg

Baggage Capacity.....1,510 lb 685 kg

Wing Loading.....54.8 lb/sq ft 3,309 kg/sq m
 Power Loading..... 7.54 lb/SHP 16.62 kg/SHP

Payload / Capacities

Maximum Payload.....4,850 lb 2,200 kg
 Useful Load.....6,560 lb 2,975 kg
 Maximum Fuel Capacity.....4,469 lb 2,027 kg
 667 US Gallons 2,525 liters
 Fuel With Maximum Payload.....1,710 lb 776 kg

Internal Dimensions

Length**.....33 ft 11 in 10.33 m
 Height..... 4 ft 9 in 1.45 m
 Width..... 4 ft 6 in 1.37 m

Volume

Cockpit.....93 cu ft 2.63 cu m
 Cabin.....498 cu ft 14.10 cu m
 Baggage..... 154 cu ft 4.36 cu m

**Includes typical optional equipment and two crew at 220 lb (100 kg) each*

***Excludes cockpit*

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Airport Performance

Takeoff Field Length (Engine-out)		
Maximum Takeoff Weight, Sea Level, ISA.....	5,468 ft	1,666 m
Maximum Takeoff Weight, 5,000 ft elevation, 25C.....	7,980 ft	2,432 m

Landing Distance (Unfactored)

Max Landing Weight, Sea Level, ISA.....	2,413 ft	735 m
V _{Approach}	113 kt	

Climb Performance (Maximum Takeoff Weight)

Time to Climb / Altitude.....	0:22 / 20,000 ft	0:22 / 6,096 m
All-Engine Climb Rate (Flaps UP).....	2,330 ft/min	710 m/min
Engine-Out Rate (Flaps 17).....	490 ft/min	149 m/min
Engine-Out Gradient (Flaps 17).....	237 ft/nm	38.8 m/km

Ceilings

Certified.....	25,000 ft	7,620 m
All Engine Service*.....	27,000 ft	8,230 m
Engine-Out Service.....	13,400 ft	4,084 m

Cruise Performance (High Speed)

Speed.....	263 kt	487 km/hr
Fuel Flow.....	732 lb/hr	332 kg/hr
Altitude.....	20,000 ft	6,096 m

Range (Including 100 NM IFR Alternate)

With Maximum Payload (4,850 lb)	208 nm	385 km
With 19 Passenger Payload (4,180 lb).....	629 nm	1,165 km
Ferry Range.....	1,416 nm	2,622 km

Mission Performance

100 nm.....	0:25 / 424 lb	0:25 / 192 kg
300 nm.....	1:16 / 974 lb	1:16 / 442 kg
500 nm.....	2:08 / 1,469 lb	2:08 / 666 kg

**Information only (not a certified altitude)*