

Specifications and Performance

Beechcraft 1900C Freighter (Heavy)

General Characteristics

Seating (Crew).....2 (Single Pilot-Certified)

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.....17,710 lb 8,032 kg
 Maximum Takeoff..... 17,600 lb 7,982 kg
 Maximum Landing.....16,720 lb 7,583 kg
 Maximum Zero Fuel (Optional).....15,000 lb 6,803 kg
 Basic Operating*.....9,225 lb 4,184 kg

Cargo Capacity.....5,775 lb 2,619 kg

Wing Loading.....58.09 lb/sq ft 3,482 kg/sq m
 Power Loading..... 8.00 lb/SHP 17.64 kg/SHP

Payload / Capacities

Maximum Payload.....5,775 lb 2,619 kg
 Useful Load.....8,485 lb 3,848 kg
 Maximum Fuel Capacity.....4,469 lb 2,027 kg
 667 US Gallons 2,525 liters
 Fuel With Maximum Payload.....2,710 lb 1,229 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.....652 cu ft 18.48 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.....	5,384 ft	1,641 m
16,088 lb, 5,000 ft elevation, 25C.....	6,175 ft	1,882 m

Landing Distance (Unfactored)

Max Landing Weight, Sea Level, ISA.....	3,119 ft	951 m
V _{Approach}	115 kt	

Climb Performance (Maximum Takeoff Weight)

Time to Climb / Altitude.....	0:28 / 20,000 ft	0:28 / 6,096 m
All-Engine Climb Rate (Flaps UP).....	2,150 ft/min	655 m/min
Engine-Out Rate (Flaps 17).....	305 ft/min	93 m/min
Engine-Out Gradient (Flaps 17).....	154 ft/nm	25.2 m/km

Ceilings

Certified.....	25,000 ft	7,620 m
All Engine Service*.....	27,000 ft	8,230 m
Engine-Out Service.....	10,800 ft	3,292 m

Cruise Performance (High Speed)

Speed.....	259 kt	480 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.....	0:26 / 430 lb	0:26 / 195 kg
300 nm.....	1:18 / 989 lb	1:18 / 449 kg
500 nm.....	2:11 / 1,497 lb	2:11 / 679 kg

**Information only (not a certified altitude)*