

Specifications and Performance

Beechcraft 1900D Freighter

General Characteristics

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

External Dimensions

Length.....57.8 ft 17.62 m
 Height.....15.5 ft 4.72 m
 Wingspan.....57.9 ft 17.64 m

Engines

Manufacturer..... Pratt & Whitney Canada
 Model..... (2) PT6A-67D
 Output.....1,279 Shaft Horsepower
 Overhaul Interval (Nominal).....6,000 Hours

Weights

Maximum Ramp.....17,230 lb 7,814 kg
 Maximum Takeoff.....17,120 lb 7,764 kg
 Maximum Landing.....16,765 lb 7,603 kg
 Maximum Zero Fuel (Optional).....15,700 lb 7,120 kg
 Basic Operating*.....10,064 lb 4,564 kg

Cargo Capacity..... 5,636 lb 2,556 kg

Wing Loading.....55.2 lb/sq ft 3,309 kg/sq m
 Power Loading.....6.69 lb/SHP 14.75 kg/SHP

Payload / Capacities

Maximum Payload.....5,636 lb 2,556 kg
 Useful Load.....7,166 lb 3,250 kg
 Maximum Fuel Capacity.....4,458 lb 2,022 kg
 665 US Gallons 2,517 liters
 Fuel With Maximum Payload.....1,530 lb 694 kg

Internal Dimensions

Length**.....33 ft 11 in 10.33 m
 Height.....5 ft 11 in 1.80 m
 Width.....4 ft 6 in 1.37 m

Volume

Cockpit.....103 cu ft 2.92 cu m
 Cabin.....815 cu ft 23.07 cu m

**Includes typical optional equipment and one crew at 220 lb (50 kg)*

***Excludes cockpit*

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Airport Performance

Takeoff Field Length (Engine-out)		
Maximum Takeoff Weight, Sea Level, ISA.....	3,813 ft	1,162 m
Maximum Takeoff Weight, 5,000 ft elevation, 25C.....	5,235 ft	1,596 m

Landing Distance (Unfactored)

Max Landing Weight, Sea Level, ISA.....	2,790 ft	850 m
V _{Approach}	117 kt	

Climb Performance (Maximum Takeoff Weight)

Time to Climb / Altitude.....	0:16 / 20,000 ft	0:16 / 6,096 m
All-Engine Climb Rate (Flaps UP).....	2,615 ft/min	797 m/min
Engine-Out Rate (Flaps 17).....	650 ft/min	198 m/min
Engine-Out Gradient (Flaps 17).....	316 ft/nm	51.8 m/km

Ceilings

Certified.....	25,000 ft	7,620 m
All Engine Service*.....	33,000 ft	10,058 m
Engine-Out Service.....	17,200 ft	5,243 m

Cruise Performance (High Speed)

Speed.....	280 kt	518 km/hr
Fuel Flow.....	888 lb/hr	403 kg/hr
Altitude.....	20,000 ft	6,096 m

Range (Including 100 NM IFR Alternate)

With Maximum Payload (5,636 lb)	133 nm	246 km
With 4,000 Lb Payload.....	699 nm	1,294 km
Ferry Range.....	1,245 nm	2,306 km

Mission Performance

100 nm.....	0:24 / 417 lb	0:24 / 189 kg
300 nm.....	1:10 / 1,015 lb	1:10 / 460 kg
500 nm.....	1:56 / 1,551 lb	1:56 / 703 kg

**Information only (not a certified altitude)*