

## Specifications and Performance

### Beechcraft 1900D Passenger

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#### General Characteristics

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

#### 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\*.....10,874 lb     4,932 kg

Baggage Capacity.....1,630 lb       739 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.....4,826 lb       2,189 kg  
 Useful Load.....6,356 lb       2,882 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\*\*.....25 ft 3 in           7.70 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.....640 cu ft           18.12 cu m  
 Baggage.....175 cu ft           4.96 cu m

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

*\*\*Excludes cockpit and aft baggage compartment*

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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 <sub>Approach</sub> .....	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 (4,826 lb) .....	133 nm	246 km
With 19 Passenger Payload (4,180 lb).....	382 nm	707 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)*