

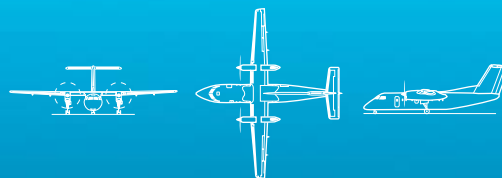
The Bombardier* Q200* is designed for airlines and other operators who require an aircraft the same size as the Q100*, but with more power and greater payload. Bombardier's engineers met the challenge by mating the Q100 airframe with the more powerful Pratt & Whitney PW123 engines found on the larger Q300* aircraft.



Bombardier Q200

Bombardier

Q200



The Q200 is an aircraft with spectacular performance and increased payload and range capability and is ideal for operators who require an aircraft for 'hot and high' operating conditions. The Q200 retains the Dash 8 aircraft's legendary short airfield performance operating from runways as short as 800 metres.

General

Crew	2+1
Passengers	37-39

Engines

Number	2 Pratt & Whitney Canada PW123C/D turboprops
Power	2,150 shp
Propellers	Hamilton Standard 14SF-23 four-blade, reversible pitch

Avionics

Honeywell SPZ-8000 dual-channel digital AFCS
Dual digital air data system
Primus P660 weather radar
Collins nav/comm systems

Performance

Range¹

Maximum range (37 pax)	1,125 NM	1,295 SM	2,084 km
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Speed

High cruise speed	289 kts	333 mph	535 km/h
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Airfield Performance

FAR takeoff field length (SL, ISA) at MTOW	3,280 ft	1,000 m
FAR landing field length (SL) at MLW	2,560 ft	780 m

Ceiling

Maximum operating altitude	25,000 ft	7,620 m
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Noise Level

	EPNdB	Stage III EPNdB
Takeoff	80.5	89
Sideline	85.6	94
Approach	94.7	98

Dimensions

External

Length overall	73 ft	22.25 m
Wingspan	85 ft	25.89 m
Wing area (net)	585 ft ²	54.40 m ²
Height (over tail)	24 ft 7 in	7.49 m
Fuselage maximum diameter	8 ft 10 in	2.69 m

(1) 37 passengers @ 220 lb (100 kg), LRC, ISA, zero winds, standard reserves.

Dimensions (cont'd)

Internal

Cabin length (Flt comp bulkhead to baggage comp bulkhead)	30 ft 1 in	9.16 m
Cabin maximum width (centreline)	8 ft 3 in	2.52 m
Cabin width (floor level)	6 ft 8 in	2.03 m
Maximum height	6 ft 5 in	1.95 m
Floor area (Flt comp bulkhead to baggage comp bulkhead)	254 ft ²	23.60 m ²
Cabin volume	1,328 ft ³	37.60 m ³
Baggage volume	300 ft ³	8.50 m ³

Doors & Exits

Passenger door (LH, fwd, airstair)		
Height	5 ft 5 in	1.65 m
Width	2 ft 6 in	0.76 m
Height to sill	3 ft 7 in	1.09 m
Baggage door (LH, aft)		
Height	5 ft	1.52 m
Width	4 ft 2 in	1.27 m
Height to sill	3 ft 7 in	1.09 m

Weights

Maximum takeoff weight	36,300 lb	16,466 kg
Maximum landing weight	34,500 lb	15,649 kg
Maximum zero fuel weight*	32,400 lb	14,696 kg
Operating weight empty	23,098 lb	10,477 kg
Maximum payload	8,921 lb	4,647 kg
Fuel capacity	835 U.S. gal/ 695 Imp. gal	3,160 l

* with optional 400 lb MZFW increase.