

The original Dash 8* did so well in developing regional airline routes that its operators soon required an aircraft with more power and more seats. The answer is the Bombardier* Q300*, with the lowest seat-mile costs and best performance in its class.

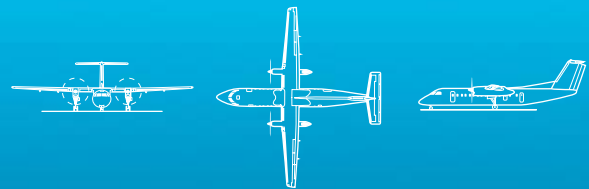


Bombardier Q300

Bombardier

Q300

Eleven feet (3.4 m) longer than the Q100*/Q200*, the Q300 has the capacity to seat 56 passengers, although most versions are configured to hold 50 seats. The Q300 has an outstanding take-off and landing capability, even on unprepared airstrips, making it an ideal aircraft for airlines operating in developing regions of the world.



General

Crew	2+1
Passengers	50-56

Engines

Number	2 Pratt & Whitney Canada PW123/B/E turboprops
Power	2380/2500/2380 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 (50 pax)	924 NM	1,063 SM	1,711 km
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Speed

High cruise speed	287 kts	330 mph	532 km/h
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Airfield Performance

FAR takeoff field length (SL, ISA) at MTOW	3,870 ft	1,180 m
FAR landing field length (SL) at MLW	3,415 ft	1,040 m

Ceiling

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

	Stage III Limits	
	EPNdB	EPNdB
Takeoff	79.5	89
Sideline	87.0	94
Approach	93.3	98

Dimensions

External

Length overall	84 ft 3 in	25.70 m
Wingspan	90 ft	27.40 m
Wing area (net)	605 ft ²	56.20 m ²
Height (over tail)	24 ft 7 in	7.49 m
Fuselage maximum diameter	8 ft 10 in	2.69 m

(1) 50 passengers @ 220 lb (100 kg), HGW, LRC, ISA, zero winds, standard reserves.

Dimensions (cont'd)

Internal

Cabin length (Flt comp bulkhead to baggage comp bulkhead)	41 ft 6 in	12.60 m
Cabin maximum width (centreline)	8 ft 3 in	2.51 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)	329 ft ²	30.60 m ²
Cabin volume	1,838 ft ³	52.00 m ³
Baggage volume	320 ft ³	9.10 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

Weights²

Maximum takeoff weight	43,000 lb	19,505 kg
Maximum landing weight	42,000 lb	19,050 kg
Maximum zero fuel weight	39,500 lb	17,920 kg
Operating weight empty	26,000 lb	11,793 kg
Maximum payload	13,500 lb	6,124 kg
Fuel capacity	835 U.S. gal/ 695 Imp. gal	3,160 l

(2) High Gross weight (HGW) version. Basic and intermediate also available.