

CHALLENGER 350



BOMBARDIER
the evolution of mobility

CHALLENGER 350



Building on Bombardier's already dominant position in the super-midsize category, is a business aircraft to exceed the expectations of executives, pilots and operators alike. With its groundbreaking new cabin design, expanded range capability, greater value proposition and lowest direct operating costs amongst its competition, the Challenger 350 aircraft surpasses expectations on all fronts.

- Innovations in aesthetics and ergonomics, with a cabin width matching ultra long-range aircraft
- Uncompromised performance with industry-leading time-to-climb and available steep approach capability
- Built on the Challenger platform's superior value proposition and class leading market value retention

GENERAL

CAPACITY

Crew: 2+1 Passengers: Up to 10

ENGINES

Honeywell HTF7350 turbofans

Thrust 7,323 lb 32.57 kN
Flat rated to ISA + 15°C 59°F

AVIONICS

- Rockwell Collins Pro Line 21 Advanced Avionics Suite with 4 Adaptive LCD Displays
- Dual FMS with LPV and RNP approaches capability
- Synthetic Vision System
- MultiScan™ Weather Radar
- Dual Inertial Reference System (IRS)
- Dual SBAS GPS
- Integrated Flight Information System with dual File Server Units
- Engine Indication and Crew Awareness System
- Maintenance Diagnostic Computer
- Dual VHF and HF radios

PERFORMANCE

RANGE

Maximum range 3,200 NM 3,682 SM 5,926 km
(NBAA IFR 200 nm alternate fuel reserves, 8 passengers (225 lb each), 2 crew, standard BOW, sea level departure and landing, unrestricted climb, cruise and descent with zero wind and standard ISA conditions en route)

SPEED	Mach	KTAS	mph	km/h
High-speed	0.82	470	541	871
Long-range speed	0.80	459	528	850

PERFORMANCE (continued)

AIRFIELD PERFORMANCE

Takeoff distance (SL, ISA, MTOW)	4,835 ft	1,474 m
Landing distance (SL, ISA, MLW)	2,710 ft	826 m

OPERATING ALTITUDE

Maximum operating altitude	45,000 ft	13,716 m
Initial cruise altitude (MTOW)	43,000 ft	13,106 m

DIMENSIONS

EXTERIOR

Length	68 ft 8 in	20.9 m
Wingspan	69 ft	21 m
Wing area (basic)	522 ft ²	48.5 m ²
Height overall	20 ft	6.1 m

INTERIOR

Cabin length (cockpit divider to end of pressurized compartment)	28 ft 7 in	8.72 m
Cabin width centerline	7 ft 2 in	2.19 m
Cabin width floorline	5 ft 1 in	1.55 m
Cabin height	6 ft 1 in	1.86 m
Floor area (excluding cockpit)	146 ft ²	13.6 m ²
Cabin volume (excluding cockpit and baggage)	860 ft ³	24.4 m ³

WEIGHTS

(A) Maximum ramp weight	40,750 lb	18,484 kg
(B) Maximum takeoff weight	40,600 lb	18,416 kg
(C) Maximum landing weight	34,150 lb	15,490 kg
(D) Maximum zero fuel weight	28,200 lb	12,791 kg
(E) Typical basic operating weight	24,800 lb	11,249 kg
(F) Maximum fuel weight	14,150 lb	6,418 kg
Maximum payload (D-E)	3,400 lb	1,542 kg
Payload - maximum fuel (A-E-F)	1,800 lb	817 kg
Fuel with maximum payload (A-D)	12,550 lb	5,693 kg

