



2012 BOMBARDIER GLOBAL XRS WITH GLOBAL VISION AIRCRAFT SPECIFICATION



Image provided courtesy of Bombardier Inc.

SELECT YOUR OWN INTERIOR & OPTIONS

ENQUIRIES

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AIRFRAME & ENGINE OVERVIEW

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Aircraft Manufacturer & Model

Bombardier Global Express XRS with Global Vision

Green C of A

October 2011

Final Delivery

August 2012

Capacity

2 – 4 crew and 8 – 19 passengers (subject to choice of interior)

Range

11,390 km (6,150 nm) at M 0.85 & 10,093 km (5,450 km) at M 0.87

Speed

High-Speed Cruise M 0.89 (590 mph) (950 km/h)

Typical Cruise M 0.85 (564 mph) (907 km/h)

Airfield Performance

Takeoff Distance 1,887 m (6,190 ft) (SL, ISA, MTOW)

Landing Distance 814 m (2,670 ft) (SL, ISA, MTOW)

Max Operating Altitude

15,545 m (51,000 ft)

Engines

Two Rolls Royce BR710A2-20 Turbofans

Cabin Length

14.7 m (48.35 ft) (start of lavatory to end of pressurized compartment)

Cabin Width

2.49 m (8.17 ft) (centreline) and 2.11 m (6.92 ft) (floorline)

Cabin Height

1.91 m (6.25 ft)

Price

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Features

Opportunity to select your own interior and options; Rockwell-Collins Pro Line Fusion Avionics Suite; Head-Up Display System (HUD); 3rd Generation Enhanced Vision System (EVS) and Synthetic Vision System (SVS); Factory provisions for two colours non-metallic base paint with two straight stripes shown on the fuselage, nacelles and winglets.

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INTERIOR & CABIN SUPPORT SYSTEMS

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Entry Area

- Forward lavatory with EVAC vacuum sanitation system, vanity and storage cabinets
- LHS entrance enclosure with coat rod and flight observer seat
- RHS large forward galley and galley annex
- LHS crew area with berthable executive seat with footrest and overhead storage bin

Forward Cabin

- LHS sliding pocket door separating cabin from entry area
- Four berthable single wide seats with footrests and seat pan levellers in LH #2 and RH #2 seat
- Two bi-fold pull-out side ledge tables

Mid Cabin

- RHS credenza with fax, printer and storage
- LHS hi-low conference table with plug in extension
- LHS two sets of double seats feature recline (swivel on inboard chairs only)
- Low cabinet under emergency exit
- Mid-cabin bulkhead with LHS sliding pocket door and removable RH upper bulkhead for FAR Part 135 & JAR Ops 1
- RHS credenza with fax, printer and storage

Aft Cabin

- RHS & LHS three-place berthable 16G divans, each with two end cabinets inc. drinks holder and storage
- Bulkheads and hinged door separating cabin from aft lavatory

Aft Lavatory Zone and Baggage Compartment

- Aft lavatory with EVAC vacuum sanitation system, wardrobe, vanity and storage cabinets
- 155 cu ft with adjustable and fold-down shelving, coat rods, hang-up bars and restraint net

Cabin Support Systems

- Two therapeutic oxygen outlets in passenger cabin and oxygen drop boxes as required in main cabin, galley, lavatories and at flight observer seat
- Master passenger control of two cabin temperature zones
- Entry area heater
- Re-circulating water system with dual pumps and UV filtration
- Heated hose assemblies for freeze protection
- 28.6 US gallon water tank
- 16 gallon waste tank servicing forward and aft lavatories

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AVIONICS & ELECTRICAL SYSTEMS

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OVERVIEW

- Rockwell Collins Pro Line Fusion avionics suite, complete with four 14"x11" landscape active matrix liquid crystal displays (AMLCD) allowing 50/50 split window configuration offering multifunction windows with automatic reversion.
- Control Tuning Panel (CTP) supported by an Integrated Processing System (IPS) with three single channel Integrated Processing Cabinets (IPC) hosting AFCS
- Engine Indication and Crew Alerting System (EICAS)
- Auto Flight via three-axis, active-standby Category II Automatic Flight Control Systems (AFCS)
- COMM/NAV system uses dual Radio Interface Units (RIU) and operates as the Aircraft Communications Addressing and Reporting System (ACARS) compatible router.



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COMMUNICATIONS

- Three Rockwell Collins VHF-4000 COMM radios with 8.33 KHz spacing. One radio with data capability
- Dual HF
- Dual SELCAL
- Datalink with Future Air Navigation System (FANS)
- Audio System providing individual audio control for COMM/NAV radios, interphone, pilot-to-pilot communications and providing inputs for the aural warnings from TCAS, TAWS, and EICAS.

INDICATING & RECORDING

- Electronic Flight Instrument System (EFIS)
- Clocks (pilot and co-pilot)
- Cockpit Voice Recorder (CVR) 120 minutes
- Flight Data Recorder (FDR) 25 hours
- Emergency Locator Transmitter (ELT) 121.5 MHz, 243 MHz and 406 MHz frequencies

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NAVIGATION & SURVEILLANCE

- Integrated Flight Information System (IFIS) inc. ChartLink™) and Graphical Weather
- Paperless operation
- Class II Electronic Flight Bag (EFB) (detachable)
- Integrated Electronic Standby Instrument for attitude, airspeed and altimeter indication
- Enhanced Vision System (EVS)
- Synthetic Vision System (SVS)
- Head Up Flight Display System (HUD) CAT II
- Air Data System (ADS) system with three ADC's
- Inertial Reference System (IRS)
- TCAS compliant with Change 7
- Terrain Awareness and Warning System (TAWS) with windshear detection/alerting.
- Flight Management System (FMS)
- Weather Radar with MultiScan™ and OverFlight™
- Two VHF navigation receivers / two DME transceivers
- Two 24 channel GPS WASS receivers

OTHER AVIONICS/ELECTRICAL SYSTEMS

- Rockwell Collins Lightning Sensor System (LSS)
- Cockpit printer
- Cabin power bus disconnect
- Flight observer's seat audio panel located on cockpit pedestal
- One power converter (3500 VA/115V/60Hz)
- AC/DC Power distribution
- 115 VAC GFI electrical outlets: dual outlets in each lavatory and at the galley and LH entrance enclosure; a single outlet at each single seat grouping and outboard double seats and a single outlet located adjacent to each cockpit seat

CABIN ELECTRONIC SYSTEMS

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GLOBAL OFFICE

- 10/100 Base T Ethernet LAN with connections for laptops and other portable devices
- Plain paper , fax/printer/scanner
- RJ-45 LAN interface located at the following locations: two in the cockpit, one in the crew area, one (i) in each single seat grouping, one (1) at the double seats and one (1) at each divan end cabinet
- Four (4) passenger cabin handsets (cockpit, crew area, RHS #2, and RHS forward divan end cabinet)
- Dual channel high speed data system. Two (2) HST-2100 provides data transfer up to 128 kbps total (64 Kbps of data transfer rate per channel)

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CABIN ELECTRONIC SYSTEMS

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ENTERTAINMENT SYSTEM

- Three multi-region CD/DVD players
- Two bulkhead-mounted 21.3 inch LCD video monitors in passenger cabin
- High quality cabin speaker/sub-woofer arrangement
- Eight receptacles for plug-in monitors installed in the passenger area and one in the crew rest area
- Three plug-in 10.4 inch touch screen LCD monitors provided as loose equipment
- Passenger headphone distribution system
- Airshow ASXi
- Air Data System (ADS) system with three ADC's
- Inertial Reference System (IRS)
- Terrain Awareness and Warning System (TAWS) with windshear detection/alerting.
- Weather Radar with MultiScanTM and OverFlightTM
- Two VHF navigation receivers / two DME transceivers
- Flight Management System (FMS)
- Two 24 channel GPS WASS receivers
- TCAS compliant with Change 7

CABIN UTILITIES / CONTROL & DISPLAY

- One 10.4 inch galley touch screen control monitor
- Two 8.4 inch cockpit touch screen equipment (pilot & co-pilot side)
- Wireless passenger control units (PCU), entertainment switch panel and local switch panels

CABIN SERVICES

- Cabin/lavatory call system
- Passenger address system
- Passenger briefing system
- ICG ICS-100 Iridium telephone system

MAINTENANCE & DIAGNOSTICS

- Central maintenance function for applicable integrated cabin systems
- Diagnostic reports viewable on the galley touch screen monitor or other connected devices.

LIGHTING

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- Light Emitting Diode (LED) interior lighting
- Wing tip taxi lights
- Wheel well maintenance lights
- Pulse landing light system
- Illuminated ordinance signs
- Exterior ground service panel lights (pylon lights)
- External service panel lighting

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MISCELLANEOUS EQPT & INSTALLATIONS

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AIRCRAFT MISCELLANEOUS INSTALLATIONS

- Addition of refuel/de-fuel control panel in the entrance enclosure
- Common keyed locks (external door panels)
- Airstair forward handrail extension
- External baggage door lock override
- Catwalk battery access
- Aft equipment bay storage box with max weight capacity 60 lbs
- Tow bar assembly and tow bar storage provisions (tow bar is loose equipment)
- Multi-purpose aft equipment bay access ladder
- Two seven-inch gear pin storage boxes in Airstair
- Semi-recessed Jeppesen manual storage box at cockpit entrance

LOOSE EQPT/SPARES (ADDITIONAL)

- Three plug-in 10.4in touch screen LCD monitors in leather pouches
- Single and double seats armrest covers
- Eight throw pillows
- One spare carpet (FS250 to FS799)

GALLEY EQUIPMENT

- One AEROLUX NESPRESSO Manual fill coffee maker
- One 0.7 cu ft microwave oven (TIA)
- One air chiller unit to cool selected galley areas
- One (1) divided ice drawer with overboard drain
- One TIA (1543-3) high temperature oven behind a nesting door behind a nesting door with digital oven controller
- Note: The china, crystal and flatware will be customer supplied

PASSENGER CABIN MISCELLANEOUS EQPT

- Accordion-type electric window shades shall be dual and comprised of a see-through and opaque shade

EMERGENCY EQPT FOR JAR-OPS 1

- Bilingual exit sign
- Smoke detector in each lavatory, in aft wardrobe and in baggage (factory installed)
- Life rafts (inc. 406MHz ELT) life vests, PBEs, fire extinguishers and first aid kit as required
- Engraved Maglite flash light (in addition to two (2) cockpit flash lights)

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