

BOMBARDIER GLOBAL EXPRESS XRS

Interior Configuration

Entry Area:

- Forward lavatory: EVAC vacuum sanitation system, vanity and storage cabinets
- LH Entrance Enclosure with coat rod, Flight Observer Seat and quick donning oxygen mask for the Flight Observer Seat occupant, various equipment and storage compartments
- Large forward galley and galley annex (RHS)
- Crew area containing one (1) single narrow executive seat with recliner style footrest, electric inflatable lumbar, berthable/recline and swivel capability (LHS)
- Crew area overhead storage bin containing in-flight entertainment equipment and a storage cabinet with fold-down table

Forward Cabin:

- A single manual sliding LHS pocket door to close off cabin from entry area
- Four (4) single wide executive seats with recliner style footrests, electric inflatable lumbar, berthable/recline, and swivel capability.
- Two (2) bi-fold pull-out side ledge tables

Mid Cabin:

- RH side: Executive workstation with fax / printer and single narrow executive seat with electric lumbar, and swivel capability. Note; recline capabilities disabled at the workstation due to its proximity to the emergency exit.
- LH side: One (1) manually-operated hi-low conference table with plug in extension
- LH side: Two (2) sets of double seats that feature recline, track & swivel (swivel on inboard chairs only), and electric inflatable lumbar.
- Low cabinet under emergency exit.
- A mid-cabin bulkhead with a LHS sliding pocket door (removable curtain option to close off mid cabin from aft cabin area for FAR Part 135 operation). The right-hand mid-cabin upper bulkhead is removable (operation requirement when aft cabin divan forward seated position is occupied for taxi, take-off and landing).

Aft Cabin:

- RH side: 3-place berthable 16G divan. Two (2) end cabinets, each featuring: drink holders, storage. The right-hand mid cabin upper bulkhead must be removed to allow divan forward seated position occupation during taxi, takeoff and landing.
- LH side: one (1) side ledge bi-fold pull-out table and two (2) single wide executive seats with recliner style footrests, electric inflatable lumbar, berthable/recline, and swivel capability.

Aft Lavatory Zone:

- Aft cabin bulkheads and hinged door
- EVAC vacuum sanitation system
- Vanity cabinet with miscellaneous storage
- Wardrobe and storage cabinet featuring adjustable and fixed shelving

Baggage Compartment Area:

- Approximately 155 cu. ft.
- Two (2) fold-down shelves, one (1) fixed and one (1) fold-down coat rod.
- Two (2) hang-up bars (one swings down to stow)
- Storage around ACPC, including removable coat rods with adjustable shelves and restraint net.

Equipment and Systems

Oxygen System:

- Factory-installed EROS MF-10 full-face masks are retained for the pilot and co-pilot
- Puritan Bennett "Sweep On" 2000 half masks on pilot and co-pilot's bulkheads.
- LH Entrance Enclosure MC-20 quick donning oxygen mask with goggles as loose equipment
- Two (2) therapeutic oxygen outlets in passenger cabin
- Oxygen drop boxes as required in main cabin as well as galley, lavatories and at Flight Observer Seat

Environmental Control System (ECS):

- Passenger control of two cabin temperature zones (+/- 2 deg. C) around master control setting
- Entry area heater
- Privacy Latch Activated exhaust fan in each Lavatory.
- Cockpit Air Deflectors
- Ice Pellet Filter Assemblies

Potable Water System:

- Re-circulating water system with dual pumps (for redundancy) and UV filter system.
- Heated hose assemblies and component where appropriate for freeze protection.
- Pressurized lines and components are installed within shrouds to protect critical aircraft systems.
- Single exterior servicing port and manual internal fill capability.
- 28.6 US Gallon water tank.

Waste System:

- Single waste tank (16 usable gallons) that services two-vacuum toilet system (forward and aft lavatories).
- The vacuum waste system utilizes the pressure differential when the a/c is above 16,000 feet.

- A vacuum generator is used to generate pressure differential when the aircraft is below 16,000 feet or on the ground.

Avionics / Electrical Systems:

Factory installed avionic equipment is listed in "Schedule A".

Service Bulletins:

- 700-23-004 - Miltope Flight Compartment Printer
- 700-34-030 - Honeywell LSZ-860 Lightning Sensor System (LSS)
- 700-34-004 - Flight Management System - Addition of a third FMS (Honeywell).
- 700-11-018 - 75,000lbs Reduced Maximum Take off Weight (MTOW).
- 700-23-005/700-23-015 – Airborne Data Link System (ADLS)
- 700-11-020 - Increase Maximum Take Off Weight (MTOW) to 99,500 lbs
- 700-21-035 - Addition of Ice Filter Assemblies

Other Avionics/Electrical Systems:

- Electronic Flight Bag (Class II)
- Satellite Communication System (SATCOM).
 - Satellite Communication System and Swift Broadband High Speed Link (SAT-6100)
 - Three (3) channels Aero H+ (2 voice channels and 1 data channel). Data channel supports ACARS/ maintenance functions.
 - One (1) single-channel Iridium based airborne telephone system.
 - PBX (Aerocom 3000B) integrates cabin voice communication allowing common access from handsets.
 - Four (4) passenger cabin handsets (cockpit, crew area, RHS #2, and LHS #6).
 - 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).
- Cabin power bus disconnect.
- Illuminated approach chart holders for pilot and co-pilot.
- Flight Observer Seat Audio Panel located on the cockpit pedestal.
- One (1) power converter (3500 VA/115V/60Hz).
- Cockpit analog telephone jack and loose equipment telephone handset (back-up phone).
- EICAS small service door "OPEN" annunciation (production and/or completion).
- Power Distribution of aircraft AC and DC power.
- 115 VAC GFI electrical outlets located as follows:
 - A dual outlet in each lavatory and at the Galley, workstation, LH entrance enclosure.
 - A single outlet at each single seat and outboard double seats.
 - A single outlet located adjacent to each cockpit seat.

Cabin Electronic System (CES) – Rockwell Collins

- Global Office
 - 10/100 Base T Ethernet Local Area Network (LAN) with connections for lap tops and other portable devices.
 - Plain paper, Fax/ Printer/ Scanner.
 - RJ-45 LAN interface located at the following locations: two (2) in the cockpit, one (1) in the crew area, one (1) at each single seat grouping, one (1) at the workstation and one (1) at the double seats, and one (1) at each divan end cabinet.

- Wireless Local Area Network (LAN).
- Cabin Utilities / Control and Display
 - One (1) 10.4" (in.) galley touch screen control monitor.
 - Two (2) 8.4" (in.) Cockpit Touch Screen Equipment (pilot & co-pilot side).
 - Wireless Passenger control units (PCU), entertainment switch panel and local switch panels.
- Power Distribution of aircraft AC and DC power.
- Entertainment
 - Three (3) multi-region CD/DVD players combined unit.
 - Two (2) bulkhead-mounted 21.3-inch LCD video monitors in passenger cabin.
 - High quality cabin speaker/subwoofer arrangement.
 - Eight (8) receptacles for plug-in monitors installed in the passenger area and one (1) in the Crew rest area.
 - Three (3) plug-in 10.4" touch screen LCD monitors provided as loose equipment
 - Passenger headphone distribution system.
 - Airshow ASXi interactive In-Flight information system (moving map).
- Cabin Services
 - Cabin/Lavatory Call System
 - Passenger Address System
 - Passenger briefing system
 - ICG ICS-100 Iridium Telephone system
- Maintenance and Diagnostics
 - Central maintenance function for applicable integrated cabin systems
 - Diagnostic reports viewable on the galley touch screen monitor or other connected devices. A security access protocol prevents unauthorized access.

Lighting:

- 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.
- Service Lights timer override.
- Logo Lights.

Miscellaneous Equipment and Installations:

- 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 a maximum weight capacity of 60 lbs.

- Towbar assembly and towbar storage provisions (towbar is loose equipment).
- Multi purpose aft equipment bay access ladder.
- Two (2) 7-inch gear pin storage boxes in the Airstair.
- Semi-recessed Jeppesen manual storage box at cockpit entrance.

Cockpit miscellaneous equipment

- Two (2) engraved Maglite rechargeable flashlights.
- Two (2) roller screens.
- Two (2) storage pouches on each side console.
- Cockpit footrest (retained from factory).
- One (1) side console storage bin
- Protective smoke goggle in pouch.

Galley Equipment:

- One (1) 0.7 cu. ft. microwave oven (TIA).
- One (1) AEROLUX NESPRESSO manual fill coffee maker.
- One (1) TIA (1545-3) high temperature oven behind a nesting door with digital oven controller.
- One (1) air chiller unit used to cool the selected galley areas.
- One divided ice drawer with overboard drain Note: The china, crystal and flatware are customer supplied.

Passenger cabin miscellaneous equipment:

- Entry area heater
- Accordion-type electric window shades

Loose Equipment (in addition to standard items):

- Three (3) plug-in 10.4" touch screen LCD monitors in leather pouches.
- Single and Double Seats armrest covers.
- Eight (8) through pillows.
- Standby analog handset

Selected Spares (in addition to standard items):

- One (1) spare carpet (FS 250 to FS 799)

Emergency Equipment:

- Smoke detector in each lavatory, in aft wardrobe and in baggage (factory-installed)
- Life rafts (incl. 406 MHz ELT), life vests, PBEs, fire extinguishers, and first aid kit as required.
- Engraved Maglite flashlight (in addition to (2) cockpit flashlights)

Exterior Paint

The Aircraft detailed paint is done in accordance with the Customer-approved drawing. The following provisions are provided:

- One (1) light color, non-metallic base paint with two (2) straight stripes shown on the fuselage, nacelles and the winglets.
- Landing gear is retained as received from the factory (painted white).
- The main entry door and baggage door edges and frames are painted.
- The main entrance airstair is painted the same color as the bottom fuselage color.
- An erosion protective film is installed on the radome.

The following original bright work on the aircraft exterior will be highly polished:

- Cabin window surround polished
- The leading edges of: wings and winglets, vertical stabilizer, engine cowl and pylon, and horizontal stabilizer.
- Baggage door handle polished.
- APU exhaust surrounding area polished.
- Radome, avionics and service doors hinges polished.
- APU access cowling latches polished.

Aesthetic Trim Allowance (Material content only, in US funds):

- ✓ Up to two species (types) of hi-gloss veneer on cabinetry shipset (galley, vanity, enclosures, furniture, magazine racks, tables, cabin ledges, handrails, bulkheads and doors).
- ✓ Combination fabric -veneer or mirror- veneer as optional selections on bulkheads and doors.
- ✓ Simple hardwood molding complementing veneer where applicable. Choice of up to ten routed moldings (bullnose) where applicable.
- ✓ Flat beveled (no etching) Lexan glassware closeout in upper galley area (no curves or radius).
- ✓ Plated (24K polished gold, satin antique brass or equivalent) appointments in the main passenger area only.
- ✓ Up to two inlays in tables, bulkheads, galley, vanity and longitudinal cabin area (dado or sidewall), (plated metal, cross grain veneer, or marquetry to compliment veneer in cabinetry components), (plated metal in dado or sidewall overlay).
- ✓ 100% wool, 3/8" pile (approximately 95 oz face-weight) machine quality custom carpet in main cabin area (up to three colors, cut, loop, or multi-pattern design).
- ✓ 100% wool, 5/16" pile (approximately 52 oz face-weight) machine quality custom carpet on dado trim and cockpit floor (up to three colors, cut, loop, or multi-pattern design).
- ✓ Common stitched fabric, leather or combination fabric/leather passenger seating dress covering in a choice often standard design styles.
- ✓ Common stitched fabric or leather divan dress covering in a choice of four standard design styles.
- ✓ Up to two types of common stitched fabric, leather, or fabric/leather combination on lower dado (no box pleating or decorative stitching).
- ✓ Fabric finished periphery (headliner, PSU, valance, and sidewall overlays).
- ✓ Fabric interior curtains where applicable complete with fabric/leather acoustic entry curtain.
- ✓ Durable grospoint fabric lining in utilitarian area (wardrobes).
- ✓ Solid surface (Corian, etc.), Aeroquest, or Polystone galley and lavatory countertops complete with stainless steel sink galley sink and plated or integrally molded vanity sink as applicable (no granite tile).
- ✓ Choice of two (2) galley tapsets.
- ✓ Choice of eight (8) elegant lavatory tapset and towel bar design options.
- ✓ Choice of four (4) SAM latch design styles (plated).
- ✓ Combination of paint and plastic laminate drawer linings in the galley and lavatory.
- ✓ Fabric lined divan armrest drawers.
- ✓ Painted sidewall window rings.
- ✓ Standard factory grey cockpit with headliner and cockpit carpet to match interior aesthetics.
- ✓ Standard factory baggage finishes.

Aesthetic Material Price Guidelines to allow: (US Dollar Values)

Veneers \$ 70.00/sq. foot

Plastic laminates (drawer linings, etc.)	\$ 4.00/sq. foot	
Hardwood (moldings, etc.)	\$ 5.00/board foot	
Plating	\$ 6.00/sq. inch	
Plating (Shipset)	\$ 70,000/Lot	
Carpet (3/8" pile, 95 oz. face-weight)	\$ 1,100.00/sq. yard	
Carpet (5/16" pile, 52 oz face-weight)	\$ 450.00/sq. yard	
Leathers	\$ 18.00/sq. foot	
Fabric (divan and seat)	\$ 270.00/lin. yard	
Fabric (periphery ultra suedes and vinyls)	\$ 185.00/lin. yard	
Fabric (curtains)	\$ 214.00/lin. yard	
Fabric (linings)	\$ 105.00/lin. yard	
Fabric grospoint (wardrobe linings)	\$ 105.00/lin. yard	
Countertop (solid surface, Corian, Polystone or equivalent)		\$ 550.00/sq. foot

Certification

Quality Assurance and Control

ATC approved Quality Assurance and Quality Control system will be maintained by the Completion Center and applied to the work performed on the aircraft. Quality Control (QC) department personnel including Transport Canada (TC) authorized inspectors will be responsible for:

- All inspection activities on the aircraft from the initial receiving inspection to final Customer inspection and delivery. In this capacity, QC will verify that all measures to preserve the aircraft, fabricate and install the interior to an approved design, workmanship and safety standards are maintained during the completion program.
- Assurances that the systems, processes and procedures utilized by all personnel working on aircraft are in accordance with the TC regulations.

Certification

This Specification meets the airworthiness requirements of FAR Part 25 and the equipment requirements necessary for FAR Part 91 operations.

This Specification will require modification during initial completion definition if the airplane is to be exported to a country other than the United States and/or if certification for commercial operations is required (FAR Part 135 or JAR-OPS 1 for example).

The Completion Center will be responsible for obtaining approval for the interior completion modifications and any required negotiations with the regulatory authorities.

The following configurations will be approved:

Fourteen (14) passenger configuration features a frangible mid cabin door. The aircraft may not be operated for hire or common carriage (ie limited to FAR Part 91 operation only).

Note: The mid cabin RHS removable upper bulkhead must be removed if the forward seating position of the 16G divan is to be occupied for taxi, take-off and landing. If the removable mid cabin bulkhead is installed, then the passenger capacity of the aircraft is reduced to thirteen (13).

This specification includes complete provisions to support a future interior modification enabling the aft cabin to be used as a flight crew sleeping quarter as required under FAA rules for FAR Part 135

operations for flights more than 10 hours and less than 12 hours duration; as well as a means to disable the frangible mid cabin door and a privacy curtain. The device used to disable the mid cabin door and the privacy curtain will be provided as loose equipment.

Note: Service Bulletin 700-31-020 Crew Force Measuring System (FDR upgrade), which is required for FAR Part 135 operation, has not been included.

This specification includes life rafts that meet the airworthiness requirements for certification of the aircraft for ditching.

The Completion Center will provide a Canadian Certificate of Airworthiness (C of A) for Export to the United States.

LIST OF CUSTOMER SPECIFIC CHANGES (DELTA TO LE)

Published Options

- 00-00-4050 EU-OPS 1 (JAR-OPS 1)

Note: Changed from Part 91 Operations.

- 31-31-4001 Quick Access Recorder

Additional Customization

- C of A for export to Austria.
To meet certification and operating requirements, the following items will be installed on the aircraft:
 - Ashtrays in the lavatories;
 - Stick pusher disconnect button cancellation;
 - Life raft survival kit to meet EU-OPS 1 (JAR-OPS 1) requirements.

Note: Changed from C of A for export to the United States.
