



# 2011 Challenger 300 Delivery Position

## Specifications and Summary

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# Challenger 300

## DELIVERY POSITION November 2011

**MODEL AIRCRAFT:** Bombardier Challenger 300 (BD100-1A10)

**ENGINES:** Honeywell AS907

**APU:** AlliedSignal GTCP-36-150BD

**AVIONICS:** *(Collins Pro Line 21 4-Tube EFIS)*

### OPTIONS:

- Floor plan 4 – Aft Left Hand Divan
- Datalink (ACARS)
- Iridium Interface to Datalink
- Aircell Broadband Stand alone System
- RIPS (Recorder Independent Power Supply)
- Dual HF Communication with SELCAL
- Dual (2) Electrical Outlets in the Cockpit
- Lighted Chart Holders (2 each)
- Cockpit Writing Tables
- Flight Data Recorder (FDR)
- Enhanced Weather Radar (exchange)
- XM Weather (subscription required)
- Lower TCAS Directional Antenna (exchange)
- Dual FMS V-Speed
- WAAS GPS (exchange)
- 2<sup>nd</sup> FSU IFIS
- Enhanced Map Overlays
- Service Panel Lighting
- Wing Tip Strobe Lights
- Logo Lighting
- Exterior Door Locking Package
- Overwater Flight Kit
- Airshow 4000 System with Worldwide Package
- Additional Multimedia Cabin Jack (Qty 2), VGA
- Satellite Radio
- Dual DVD Player (exchange)
- Coffee Maker (aircraft certified product)
- Forward Partition with Sliding Door
- Dado Storage Boxes (Locations 1, 2, 5, 6, 7 & 11)
- Premium Carpet Package
- 16G Belted Toilet Seat
- Enhanced Baggage
- Oval Sink in Lavatory
- Bose Headsets A20 for Pilot and Copilot



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### MAINTENANCE:

- MSG-3 Maintenance Program

### DELIVERY / WARRANTY:

Green Certification of Airworthiness  
Estimated Completed Aircraft Delivery Date

**JUNE 2011**  
**NOVEMBER 2011**

### INTERIOR:

Forward four-place club. Aft divan on left side with two-place club on the right side. Interior colors include taupe seats, Sapele Pomele wood veneer and the carpet is Dusk #1 with mint green accent.

### EXTERIOR:

White

### NOTES:

Planned US delivery. Part 91 compliant.

**PRICE:**      \$ 22,000,000 US Dollars

*This aircraft is being brokered by Guardian Jet, LLC. Prospective purchasers are encouraged to conduct their own independent due diligence as Guardian Jet, LLC makes no representations as to the airworthiness of the aircraft or the accuracy of the above information. Specifications subject to verification upon inspection. Aircraft subject to prior sale.*

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# Challenger 300

## (General Information)

Approximately 320 of the highly successful Challenger 300 have been manufactured. Designed from the ground up with ease of maintenance in mind, the aircraft has been designed as a Maintenance Steering Group 3 (MSG-3) aircraft. MSG-3's goal is to eliminate calendar based inspections resulting in task based "On-condition" inspections of maintenance activities and components. The Challenger 300 features a large stand-up cabin that can comfortably fly eight passengers 3,100 nautical miles at .80 mach with NBAA IFR reserves.

### FLIGHT DECK TECHNOLOGY

The Challenger 300 features the Rockwell Collins Pro Line 21 avionics suite. The instrument panel contains 4 12-by-10 inch LCD's. The standard avionics package includes dual digital Pro Line 21 VHF com and nav radios, dual transponders, dual attitude heading reference system (AHRS), RVSM-compliant digital air data computers, a single FMS-5000 flight management system, solid-state weather radar, GPS receiver, DME transceiver, ADF radio, and a radio altimeter. Also standard is a Collins TCAS II traffic avoidance system, a Honeywell Mk VIII EGPWS, and a cockpit voice recorder.

### POWER

The Challenger 300 is powered by two Honeywell AS907 medium-bypass turbofans flat rated at 6,826 lbs. of thrust each at ISA +15C. Inspection interval on the engines is "on condition". The AS907 has been designed for "on-wing" maintenance. A major periodic inspection is conducted every 7,000 hours on-wing and a core zone is completed by boroscope on-wing every 8,000 hours.

### PASSENGER ENVIRONMENT

The Challenger 300 is typically configured with fore and aft, four seat club sections. Three of the four pairs of facing chairs are fully berthable. The aft right seat has limited motion to provide for unrestricted access to the over-wing emergency exit door. A three-place divan is offered in place of any of the three fully berthable chair pairs. Cabin overhead panels feature 10,000 hour design life LED lights. Each pair of chairs has a folding worktable with AC outlet, overhead passenger service units with reading lights, air outlets, and emergency oxygen masks. The aft cabin has a fully enclosed lavatory with extra storage for carry-on baggage. A 106 cu. Ft. external access baggage compartment is fully accessible in flight through an aft door in the lavatory.

## GENERAL SPECIFICATIONS – PERFORMANCE – DIMENSIONS

### GENERAL

#### Capacity

Crew	2
Typical Seating	8 to 9 (Double Club Configuration)

#### Engines

Manufacturer / Model	Honeywell AS907 Turbofans
Thrust	6,826 pounds (30.4 kN)
Flat-Rating	ISA +15° C (86° F)

#### Avionics

- + Collins Pro Line 21 System with four LCD displays
- + EICAS
- + Maintenance Diagnostics
- + EGPWS / TCAS II



## **PERFORMANCE**

Maximum Range (8 passengers, 2 crew, ISA, maximum fuel and NBAA IFR reserves)	3,100 nm / 3,567 sm / 5,741 km
High-speed Cruise	Mach 0.82 / 470 ktas / 541 mph / 870 km/h
Typical Cruise Speed	Mach 0.80 / 459 ktas / 528 mph / 850 km/h
Mmo (Maximum Operating Mach Number)	Mach 0.83
Balanced Field Length (SL, ISA, MGTOW)	4,750 ft / 1,448 m
Takeoff Distance (SL, ISA)	4,720 ft
Landing Distance (SL, MLW)	2,600 ft / 793 m
Initial Cruise Altitude	41,000 ft / 12,497 m
Maximum Cruise Altitude	45,000 ft / 13,716 m

## **WEIGHTS**

A. Maximum Ramp Weight	39,000 lb / 17,690 kg
B. Maximum Takeoff Weight	38,850 lb / 17,622 kg
C. Maximum Landing Weight	33,750 lb / 15,309 kg
D. Maximum Zero Fuel Weight	27,000 lb / 12,247 kg
E. Basic Operating Weight	23,500 lb / 10,659 kg
F. Maximum Fuel Weight	14,150 lb / 6,418 kg
Maximum Payload (D – E)	2,750 lb / 1,247 kg
Payload with Full Fuel (A – E – F)	1,200 lb / 544 kg
Fuel with Maximum Payload	12,550 lb / 5,693 kg

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## GENERAL SPECIFICATIONS – PERFORMANCE – DIMENSIONS

### NOISE LEVELS

Takeoff Noise (EPNdB)	75.5*
Sideline Noise (EPNdB)	87.6*
Approach Noise (EPNdb)	89.6*

\*Meets FAR Part 36 Stage 3

### INTERIOR

Cabin Length	28.6 ft / 8.72 m
Cabin Height	6.08 ft / 1.85 m
Cabin Width (Centerline)	7.17 ft / 2.19 m
Cabin Width (Floorline)	5.08 ft / 1.55 m
Floor Area (Excluding Cockpit)	146 cu ft / 13.56 cu m
Cabin Volume	860 cu ft / 24.35 cu m
Baggage Compartment Volume	169 cu ft / 4.8 cu m

### EXTERIOR

Length	68.63 ft / 20.92 m
Height	20.33 ft / 6.20 m
Wingspan	63.84 ft / 19.46 m
Wingspan Area (Basic)	522 cu ft / 48.50 m