



# **2011 Challenger 300 N510AF S/N 20306**

## **Specifications and Summary**



## 2011 Bombardier Challenger 300 N510AF S/N 20306



**OFFERED AT: \$11,495,000**

**AIRCRAFT HIGHLIGHTS:**

Engines and APU on MSP Gold  
Aircraft on SmartParts Program  
Fortune 200 Owner  
Operated Part 91

**STATUS** As of December 30, 2016

**Airframe Total Time:** 1,933

**Landings:** 1,332

**Engines:** Honeywell AS907-1-1A

|                                    | LEFT     | RIGHT    |
|------------------------------------|----------|----------|
| <b>Total Time Since New:</b>       | 1,933    | 1,933    |
| <b>Cycles Since New:</b>           | 1,343    | 1,343    |
| <b>Serial Number:</b>              | P-118749 | P-118750 |
| <i>Engine Enrolled on MSP Gold</i> |          |          |

**APU:** Honeywell GTCP 36-150 (BD)  
**Serial Number:** P-419  
**Time Since New:** 1,362  
*APU Enrolled on MSP Gold*

**WEIGHT**

|                            |             |                             |             |
|----------------------------|-------------|-----------------------------|-------------|
| <b>MAX RAMP WEIGHT:</b>    | 39,000 Lbs. | <b>MAX TAKE-OFF WEIGHT:</b> | 38,850 Lbs. |
| <b>MAX LANDING WEIGHT:</b> | 33,750 Lbs. | <b>MAX ZERO FUEL:</b>       | 27,000 Lbs. |
| <b>EMPTY WEIGHT:</b>       | 23,317 Lbs. | <b>BOW (Over Water):</b>    | 24,114 Lbs. |
| <b>MAX USABLE FUEL:</b>    | 14,150 Lbs. |                             |             |

**CAPABILITIES**

|          |              |                          |            |      |
|----------|--------------|--------------------------|------------|------|
| TCAS 7.1 | WAAS/LPV     | ADS-B Out (SB-100-34-28) | MNPS       | VNAV |
| B-RNAV   | Fireblocking | Dual File Servers        | XM Weather | RVSM |

## AVIONICS



### AVIONICS: ProLine 21 with Dual File Servers

**ATTITUDE HEADING REFERENCE COMPUTER:** Dual Collins AHC-3000 AHRS  
**AIR DATA COMPUTER:** Dual Collins ADC-3000 ADCs  
**AUTO PILOT:** Dual FGC-3002 Autopilot  
**AUTOMATIC DIRECTION FINDER:** NAV-4000 with ADF receiver  
**COMMUNICATIONS:** Triple VHF-4000 Communication Radio with 8.33 Spacing  
**COCKPIT VOICE RECORDER:** L3 FA2100 SSCVR Cockpit Voice Recorder (120 minutes)  
**DATA LINK:** CMU-4000 Data Link  
**DISTANCE MEASURING EQUIPMENT:** Dual DME-4000  
**ELECTRONIC FLIGHT INSTRUMENT SYSTEM:** Collins ProLine 21  
**EMERGENCY LOCATOR TRANSMITTER:** Artex C-406N ELT with Navigation Interface  
**FLIGHT DATA RECORDER:** L3 FA2100 Flight Data Recorder  
**FLIGHT GUIDANCE COMPUTER:** Dual FGC-3002  
**FLIGHT MANAGEMENT SYSTEM:** Dual FMC-5000  
**GLOBAL POSITIONING SYSTEM:** Dual GPS-4000S with WAAS  
**HIGH FREQUENCY:** Dual HF-9031A with SELCAL  
**INFORMATION FILE SERVERS:** Dual IFIS File Servers  
**NAVIGATION RADIO:** Dual NAV-4000 with FM Immunity  
**RADIO ALTIMETER:** Collins ALT-4000 Radio Altimeter  
**TERRAIN AVOIDANCE WARNING SYSTEM:** TAS-5000 TAWS  
**TRAFFIC COLLISION AVOIDANCE SYSTEM:** TTR-4000 TCAS II w/Change 7.1  
**TRANSPONDER:** Dual TDR-94D Mode S Transponder with Enhanced Surveillance  
**WEATHER RADAR:** Collins RTA-854 Weather Radar  
**XM WEATHER:** XMWR-1000 XM Weather



## ENTERTAINMENT & COMMUNICATIONS

### ENTERTAINMENT

Lufthansa Nice Cabin Management System  
Dual 19" LCD Bulkhead Monitors  
Dual DVD Players  
LED Cabin Lights



### COMMUNICATIONS

Iridium ICS 200 2-Channels Flight Phone  
(3) Handsets in Cockpit, Fwd and Aft Cabin  
(2) 110V Outlets in Cockpit  
(4) 110V Outlets in Cabin

## MAINTENANCE PROGRAMS & INSPECTIONS STATUS



### MAINTENANCE TRACKING & INSPECTIONS

- Maintenance tracking by CAMP
- Engines Enrolled on Honeywell MSP Gold
- APU enrolled on Honeywell MSP Gold
- Aircraft enrolled on Smart Parts
- Long Range O2 Tanks
- Data Base Loader Upgraded to the DBU 5010E
- In Service Date: March 20, 2011
- Operated Part 91

| <u>INSPECTION</u>     | <u>LAST COMPLETED</u>    | <u>NEXT DUE</u> |
|-----------------------|--------------------------|-----------------|
| 48 Month Inspection   | 03/20/2015 @ 1,135 Hours | 03/2019         |
| 96 Month Inspection   | N/A                      | 09/2019         |
| 192 Month Inspection  | N/A                      | 03/2027         |
| 3,200 Hour Inspection | N/A                      | 3,200           |
| 4,200 Hour Inspection | N/A                      | 4,200           |
| 9,600 Hour Inspection | N/A                      | 9,600           |

## CHALLENGER 300 TECHNICAL DATA

Cabin Height – 6.1 feet  
 Cabin Width: Max / at Floor Level – 7.2 feet / 5.1 feet  
 Internal Baggage – 106 Cu. Ft. / 750 Lbs.  
 Take Off Distance at Sea Level – 4,810 feet  
 Take Off Distance at 5,000 feet elevation – 6,860 feet  
 Landing Distance – 2,290 feet  
 Maximum Altitude – 45,000 feet  
 Range with 4 Pax – 3,250 NM  
 600 NM Flight Time – 1h26  
 1,000 NM Flight Time – 2h18  
 Long Range Cruise Speed – 459 knots  
 High Speed Cruise Speed – 470 knots  
 Fuel Consumption – 267.4 Gal/hr  
 Total Variable Costs per hour – \$ 1,854.87

*Performance Information from ARGUS International, Inc. Information presented is model based and not necessarily specific to serial number 20306*

## INTERIOR Forward Cabin

### INTERIOR DESCRIPTION

*(Original Interior with Refurb Upper Sidewall in 2014)*

This beautiful nine passenger configuration features a forward and an aft 4-place club seating. The aircraft is equipped with a forward galley and an aft belted lavatory.



*Forward Cabin looking Aft*



## INTERIOR Forward Cabin



*Right-Hand Forward Facing Seat*



*Forward Cabin Looking Forward*



## INTERIOR

### Aft Cabin



*Aft Cabin Looking Forward*



*Aft Cabin Looking Aft*



## GALLEY & LAVATORY



*Forward Galley*



*Aft Lavatory*

### **FORWARD GALLEY**

Microwave  
Large Ice Drawer  
Two Heated Liquid Storage Containers

### **AFT LAVATORY DESCRIPTION**

16-G Belted Toilet

## EXTERIOR

### EXTERIOR DESCRIPTION

*(Original paint completed by Bombardier, Montreal)*

Matterhorn White with Red and Black Accent Stripes



*This aircraft is being brokered by Guardian Jet, LLC. Prospective purchasers are encouraged to conduct their own independent pre-purchase inspection 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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