



AviaCost

Bombardier Challenger 300 Operating Cost Report

Includes Trip Cost Analysis (value of passengers time) & Bonus Depreciation Analysis



BOMBARDIER CHALLENGER 300

AviaCost Executive Summary

This report provides a comprehensive financial analysis of the Bombardier Challenger 300, including annual operating costs, trip cost breakdowns, and depreciation analysis. Designed for high-net-worth individuals and corporate flight departments, this report offers clear insights into the aircraft's fixed and variable expenses, cost per flight hour, and total annual budget.

Key Insights:

Total Annual Budget: \$2.5M

Hourly Operating Cost: \$6,727

Trip Cost Example (1,500 NM): \$16,415

Annual Fuel Cost: \$673,750 (at \$6.25/gallon)

Depreciation Impact: Significant cost adjustments over time With a 3,100 NM range, a normal cruise speed of 460 knots, and high operational efficiency, the Bombardier Challenger 300 remains a top-tier choice for global travel. This analysis equips decision-makers with essential financial data to optimize aircraft ownership and operational planning.

For more information, contact Chris Doerr | 414-305-2158
Visit www.AviaCost.com for detailed aircraft cost comparisons.

Chris Doerr

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BRIEF AIRCRAFT DETAILS, UTILIZATION LEVELS AND HOURLY VARIABLE COST



DETAILS	BOMBARDIER CHALLENGER 300
TYPICAL PASSENGER CAPACITY	2/9
NORMAL CRUISE (KTS/MPH)	460/529
COST PER NM	\$ 10.06
SEATS FULL RANGE (NM/SM)	3,100/3,567
AVG.PRE-OWNED PRICE	\$ 11,914,350

ANNUAL UTILIZATION

ANNUAL OWNER HRS	385
FUEL COST PER GALLON	\$ 6.25
TOTAL HRS	385
MILEAGE FOR OWNER HOURS (NM)	162,855

OWNER HOURLY COST ANALYSIS

FUEL USAGE (GALLONS PER HOUR)	280
FUEL COST PER HRS	\$ 1,750
FUEL COST PER GALLON	\$ 6.25
AIRFRAME MAINTENANCE	\$ 1,125
ENGINE / APU MAINTENANCE	\$ 1,329
TOTAL MAINTENANCE	\$ 2,454
CREW MISC.	\$ 425
TOTAL VARIABLE COST PER HRS	\$ 4,629
TOTAL FIXED COST	\$ 2,098.7
TOTAL HOURLY COST	\$ 6,727

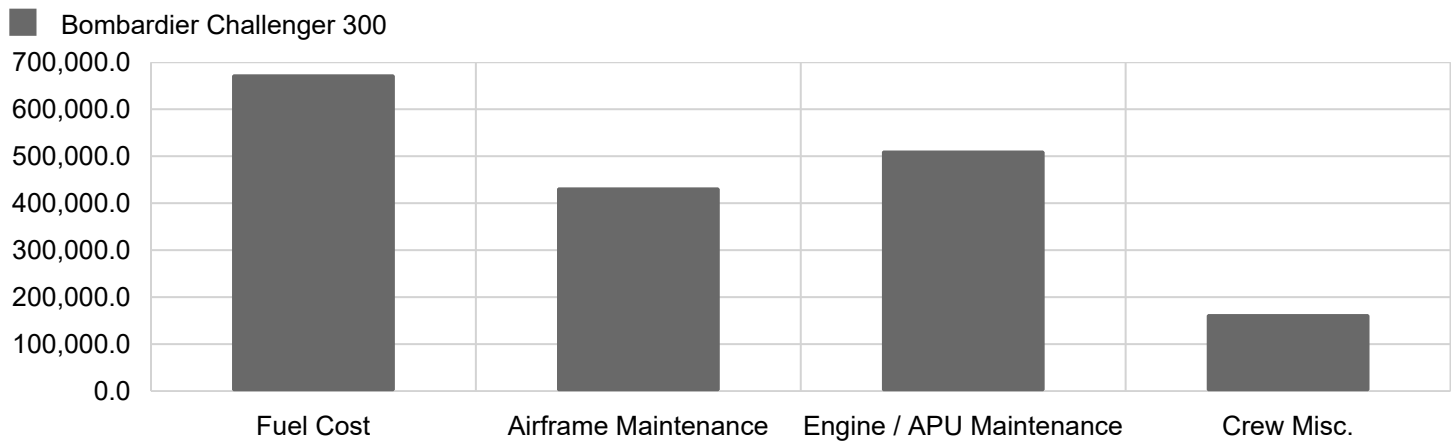
TOTAL ANNUAL VARIABLE COST(S)



VARIABLES	BOMBARDIER CHALLENGER 300
OWNER HOURS PER YEAR	385
TOTAL HOURS PER YEAR	385
FUEL COST PER GALLON	\$ 6.25
TOTAL FUEL GALLONS	107,800

ANNUAL VARIABLE COSTS	
FUEL COST	\$ 673,750
AIRFRAME MAINTENANCE	\$ 433,125
ENGINE AND APU MAINTENANCE	\$ 511,665
CREW MISC.	\$ 163,625
TOTAL ANNUAL VARIABLE COSTS	\$ 1,782,165

Annual Variable Costs



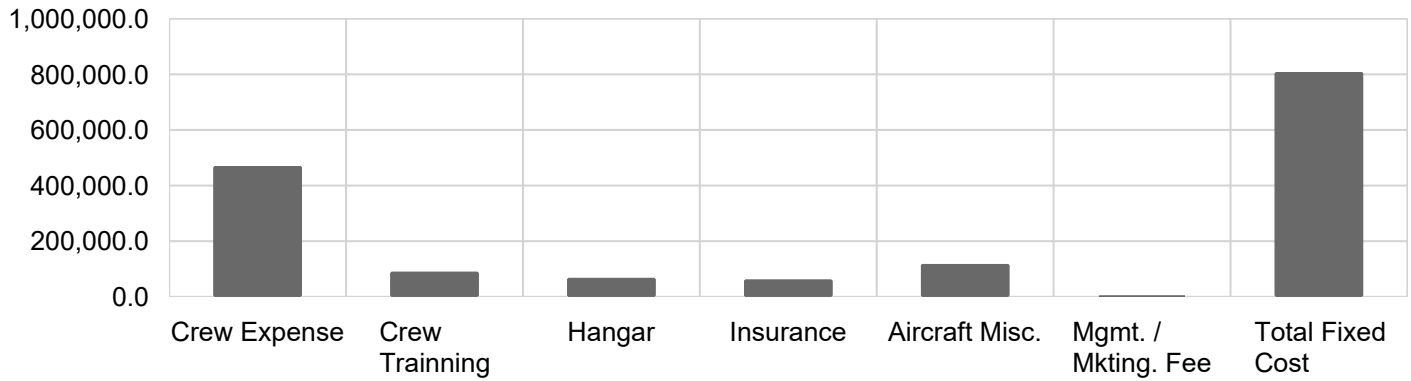
TOTAL ANNUAL FIXED COST(S)



ANNUAL FIXED COSTS	BOMBARDIER CHALLENGER 300
CAPTAIN SALARY	\$ 250,000
CO-PILOT SALARY	\$ 220,000
CREW TRAINING	\$ 90,000
HANGAR	\$ 68,000
INSURANCE	\$ 62,000
AIRCRAFT MISC.	\$ 118,000
TOTAL FIXED COST	\$ 808,000

Annual Fixed Costs

■ Bombardier Challenger 300

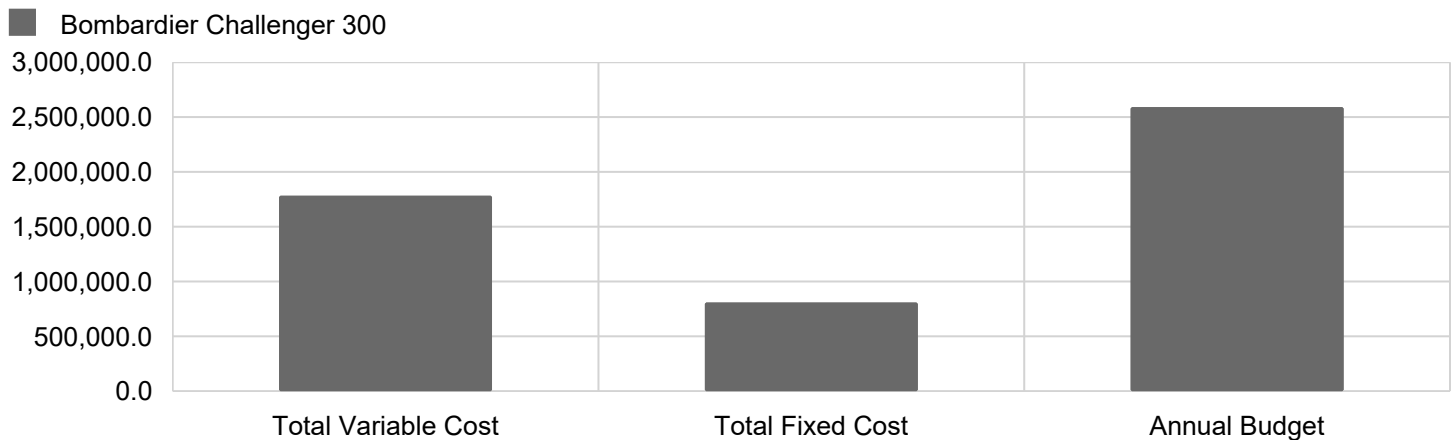


ANNUAL OPERATIONAL COST



BOMBARDIER CHALLENGER 300	
OWNER HOURS PER YEAR	385
TOTAL HOURS PER YEAR	385
FUEL COST PER GALLON	\$ 6.25
TOTAL FUEL GALLONS	107,800
ANNUAL VARIABLE COSTS	
FUEL COST	\$ 673,750
AIRFRAME MAINTENANCE	\$ 433,125
ENGINE APU MAINTENANCE	\$ 511,665
CREW MISC.	\$ 163,625
TOTAL VARIABLE COST	\$ 1,782,165
ANNUAL FIXED COSTS	
CAPTAIN SALARY	\$ 250,000
CO-PILOT SALARY	\$ 220,000
CREW TRAINING	\$ 90,000
HANGAR	\$ 68,000
INSURANCE	\$ 62,000
AIRCRAFT MISCELLANEOUS	\$ 118,000
TOTAL FIXED COST	\$ 808,000
ANNUAL BUDGET	
ANNUAL BUDGET	\$ 2,590,165
MONTHLY BUDGET	
MONTHLY BUDGET	\$ 215,847
HOURLY COST	
TOTAL HOURLY COST	\$ 6,727

Annual Operational Cost



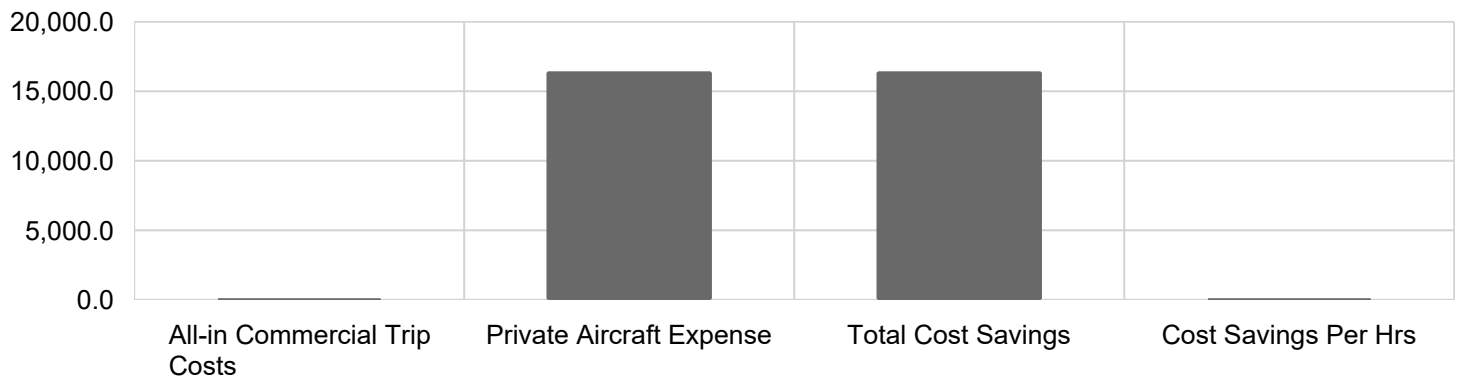
TRIP COST ANALYSIS



TRIP COST ANALYSIS	BOMBARDIER CHALLENGER 300
TRIP DISTANCE (NM)	1,500
BLOCK SPEED (KTS)	423
TRIP TIME(HRS)	3:32
VARIABLE COST/HRS	\$ 4,629
TOTAL TRIP COST	\$ 16,415
TOTAL HOURS SAVED (HRS)	0
COMMERCIAL AIR & OVERNIGHT COSTS	\$ 0
VALUE/HRS/EXECUTIVES	\$ 0
NUMBER OF EXECUTIVES	0
ALL-IN COMMERCIAL TRIP COSTS	\$ 0
PRIVATE AIRCRAFT EXPENSE	\$ 16,415
TOTAL COST SAVINGS	\$ (16,415)
COST SAVINGS PER HRS	\$ (0)

Trip Cost Analysis

■ Bombardier Challenger 300



SPECIFICATION SHEET



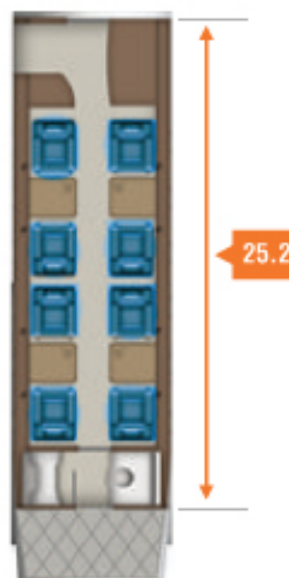
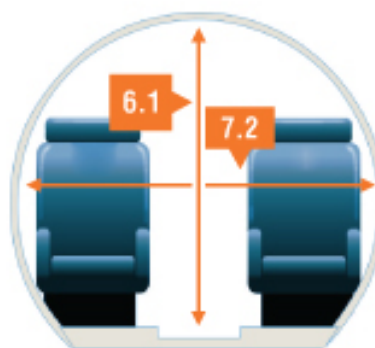
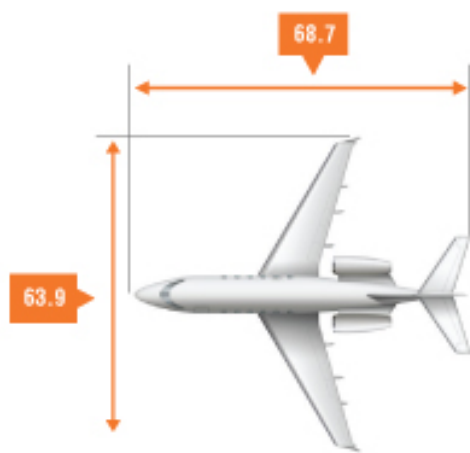
BOMBARDIER CHALLENGER 300	
BASIC VARIABLE COST DATA	
AIRFRAME MAINTENANCE PER HOUR	\$ 1,125
ENGINE / APU MAINTENANCE PER HOUR	\$ 1,329
FUEL COST BASED ON GALLONS PER HOUR	\$ 1,750
OTHER VARIABLE COSTS	\$ 425
TOTAL VARIABLE COST PER HOUR	\$ 4,629
COST PER NM	\$ 10.06
ADDITIONAL AIRCRAFT INFORMATION	
BAGAGE CAPACITY EXT/INT FT^3	0 / 106
CABIN HEIGHT FEET	6'1"
CABIN WIDTH FEET	7'2"
CABIN LENGTH FEET	25'2"
CABIN VOLUME FT^3	1,107
YEARS IN PRODUCTION	2003-2014
AVERAGE PRE-OWNED PRICE	\$ 11,914,350
AVIONICS	Collins Pro-Line 21
BASIC AIRCRAFT PERFORMANCE DATA	
SEATS FULL RANGE(NM / SM)	3,100 / 3,567
FERRY RANGE(NO PAYLOAD)(NM / SM)	3,300/3,798
BALANCE FIELD LENGTH * (TAKE - OFF DISTANCE IN FEET)	5,000
LANDING DISTANCE FEET	2,700
AVERAGE BLOCK SPEED (KTS / MPH)	423/487
NORMAL CRUISE (KTS/MPH)	460 / 529
LONG RANGE CRUISE SPEED (KTS / MPH)	450/518
MAXIMUM CRUISE SPEED (KTS / MPH)	470/541
FUEL USAGE (GPH)	280
SERVICE CEILING FEET	45,000
USEFUL PAYLOAD WITH FULL FUEL LBS	1,100
MAX RAMP WEIGHT LBS	39,000
MAXIMUM TAKE OFF WEIGHT LBS	38,850
MAXIMUM LANDING WEIGHT LBS	33,750
BASIC OPERATING WEIGHT LBS	23,750
TOTAL USABLE FUEL WEIGHT LBS	14,000
WINGSPAN FEET	63'9"
FUSELAGE FEET	68'7"
POWERPLANT MODEL	Honeywell Engine HTF7000
QUANTITY/THRUST (LBS)	2/6,944

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BOMBARDIER CHALLENGER 300

- ✓ Interior Floorplan
- ✓ Exterior
- ✓ Cross Section



DEPRECIATION ANALYSIS




Bombardier Challenger 300

Full Price of Aircraft \$	11,914,350							
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8
Rate (%)	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Depreciation \$	11,914,350	0	0	0	0	0	0	0
Depreciation Value \$	0	0	0	0	0	0	0	0
Cumulative Depreciation \$	11,914,350	11,914,350	11,914,350	11,914,350	11,914,350	11,914,350	11,914,350	11,914,350
Adjusted Cost Per Hrs \$	12,379	0	0	0	0	0	0	0
Total Adjusted Cost Per Hrs \$	(5,651)	6,728	6,728	6,728	6,728	6,728	6,728	6,728

RANGE MAP



Model	Category	Radius
 Bombardier Challenger 300	Super-Midsize Jet	3100 Nm / 3567 Sm

