



# Challenger 350 vs Gulfstream G500

Prepared for Flying Fox, LLC



**BOMBARDIER  
CHALLENGER 350**



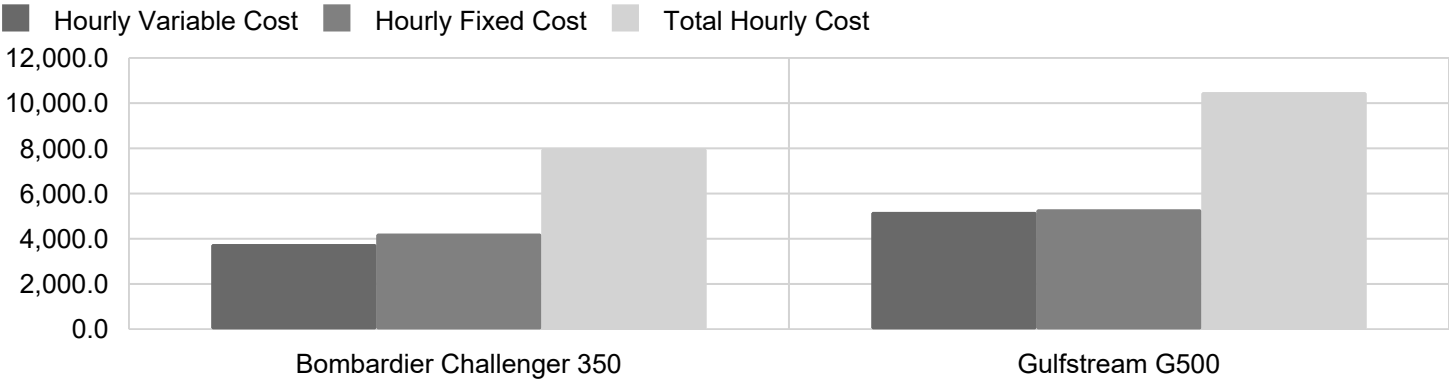
**GULFSTREAM G500**

# BRIEF AIRCRAFT DETAILS, UTILIZATION LEVELS AND HOURLY VARIABLE COST



DETAILS	BOMBARDIER CHALLENGER 350	GULFSTREAM G500
TYPICAL PASSENGER CAPACITY	2/9	2/13
NORMAL CRUISE (KTS/MPH)	460/529	499/574
COST PER NM	\$ 8.18	\$ 10.39
SEATS FULL RANGE (NM/SM)	3,300/3,798	5,100/5,869
AVG.PRE-OWNED PRICE	\$ 18,144,483	\$ 41,246,875
ANNUAL UTILIZATION		
ANNUAL OWNER HRS	175	175
FUEL COST PER GALLON	\$ 4	\$ 4
TOTAL HRS	175	175
MILEAGE FOR OWNER HOURS (NM)	73,500	76,125
OWNER HOURLY COST ANALYSIS		
FUEL USAGE (GALLONS PER HOUR)	282	432
FUEL COST PER HRS	\$ 1,128	\$ 1,728
FUEL COST PER GALLON	\$ 4	\$ 4
AIRFRAME MAINTENANCE	\$ 1,018	\$ 1,238
ENGINE / APU MAINTENANCE	\$ 1,192	\$ 1,696
TOTAL MAINTENANCE	\$ 2,210	\$ 2,934
CREW MISC.	\$ 425	\$ 525
TOTAL VARIABLE COST PER HRS	\$ 3,763	\$ 5,187
TOTAL FIXED COST	\$ 4,223	\$ 5,294
TOTAL HOURLY COST	\$ 7,986	\$ 10,481

## HOURLY VARIABLE COST



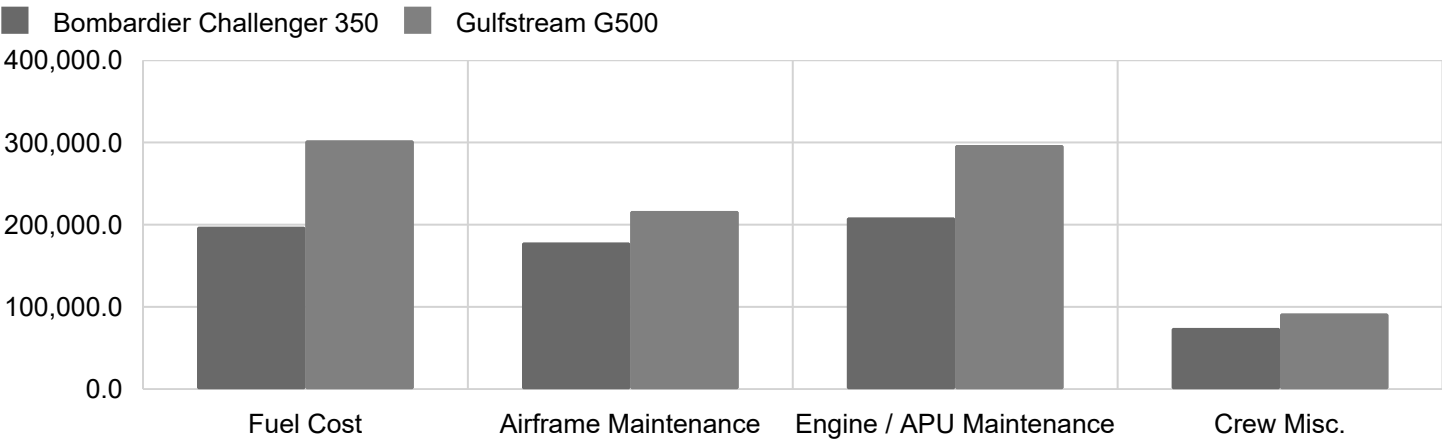
# TOTAL ANNUAL VARIABLE COST(S)



VARIABLES	BOMBARDIER CHALLENGER 350	GULFSTREAM G500
OWNER HOURS PER YEAR	175	175
TOTAL HOURS PER YEAR	175	175
FUEL COST PER GALLON	\$ 4.00	\$ 4.00
TOTAL FUEL GALLONS	49,350	75,600

ANNUAL VARIABLE COSTS		
FUEL COST	\$ 197,400	\$ 302,400
AIRFRAME MAINTENANCE	\$ 178,150	\$ 216,650
ENGINE AND APU MAINTENANCE	\$ 208,600	\$ 296,800
CREW MISC.	\$ 74,375	\$ 91,875
TOTAL ANNUAL VARIABLE COSTS	\$ 658,525	\$ 907,725

Annual Variable Costs

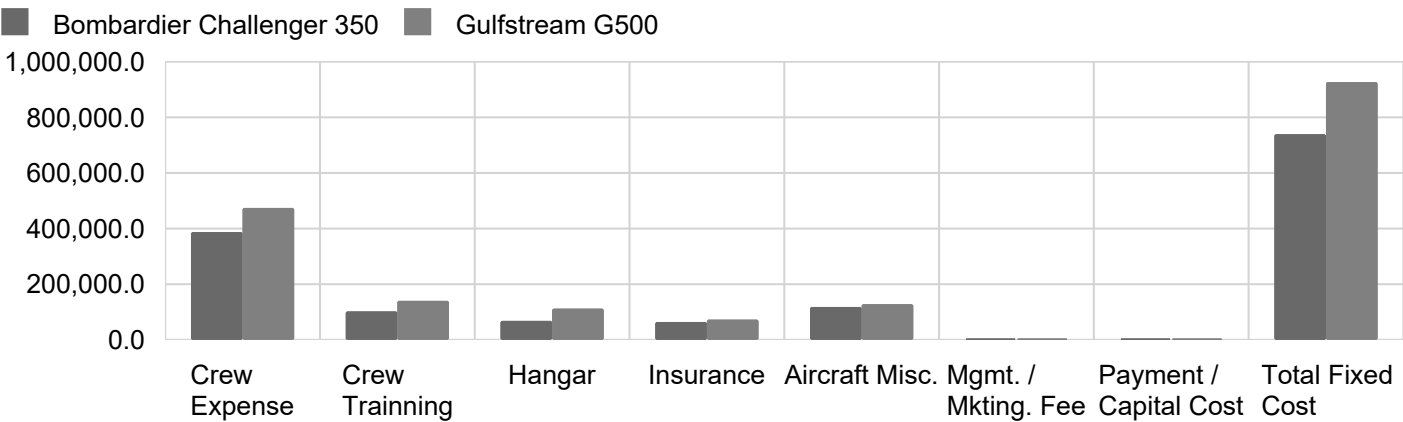


# TOTAL ANNUAL FIXED COST(S)



ANNUAL FIXED COSTS	BOMBARDIER CHALLENGER 350	GULFSTREAM G500
CAPTAIN SALARY	\$ 224,400	\$ 278,400
CO-PILOT SALARY	\$ 162,700	\$ 195,700
CREW TRAINING	\$ 102,000	\$ 140,000
HANGAR	\$ 68,000	\$ 112,000
INSURANCE	\$ 64,000	\$ 72,500
AIRCRAFT MISC.	\$ 118,000	\$ 128,000
TOTAL FIXED COST	\$ 739,100	\$ 926,600

Annual Fixed Costs

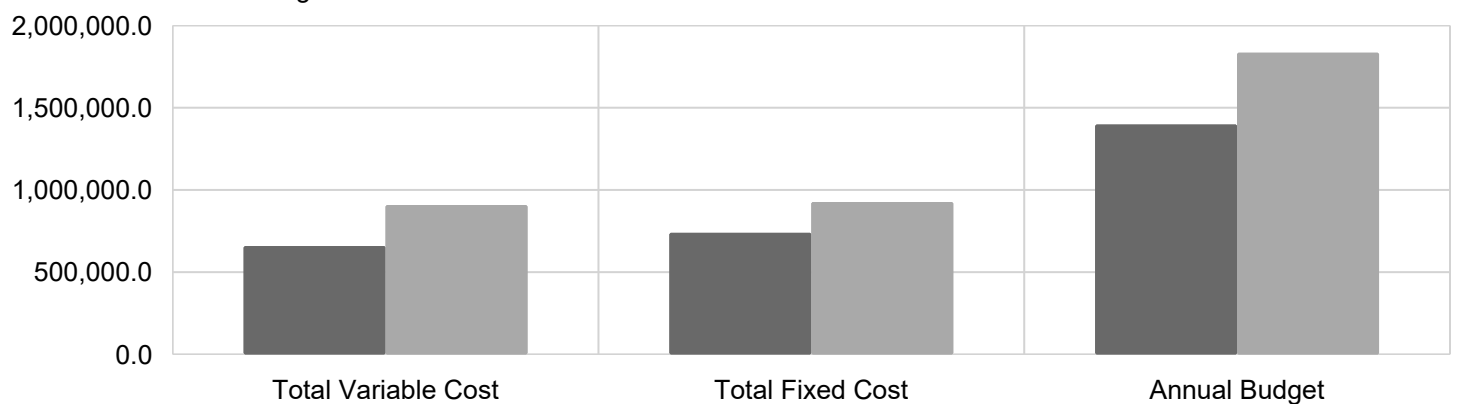


# ANNUAL OPERATIONAL COST

ANNUAL COST COMPARISON	BOMBARDIER CHALLENGER 350	GULFSTREAM G500
OWNER HOURS PER YEAR	175	175
TOTAL HOURS PER YEAR	175	175
FUEL COST PER GALLON	\$ 4	\$ 4
TOTAL FUEL GALLONS	49,350	75,600
<b>ANNUAL VARIABLE COSTS</b>		
FUEL COST	\$ 197,400	\$ 302,400
AIRFRAME MAINTENANCE	\$ 178,150	\$ 216,650
ENGINE APU MAINTENANCE	\$ 208,600	\$ 296,800
CREW MISC.	\$ 74,375	\$ 91,875
TOTAL VARIABLE COST	\$ 658,525	\$ 907,725
<b>ANNUAL FIXED COSTS</b>		
CAPTAIN SALARY	\$ 224,400	\$ 278,400
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INSURANCE	\$ 64,000	\$ 72,500
AIRCRAFT MISCELLANEOUS	\$ 118,000	\$ 128,000
TOTAL FIXED COST	\$ 739,100	\$ 926,600
<b>ANNUAL BUDGET</b>		
ANNUAL BUDGET	\$ 1,397,624	\$ 1,834,325
<b>MONTHLY BUDGET</b>		
MONTHLY BUDGET	\$ 116,468	\$ 152,860
<b>HOURLY COST</b>		
TOTAL HOURLY COST	\$ 7,986	\$ 10,481

## Annual Operational Cost

■ Bombardier Challenger 350 ■ Gulfstream G500



# SPECIFICATION SHEET



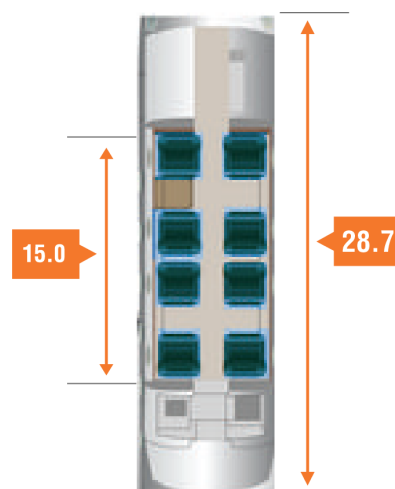
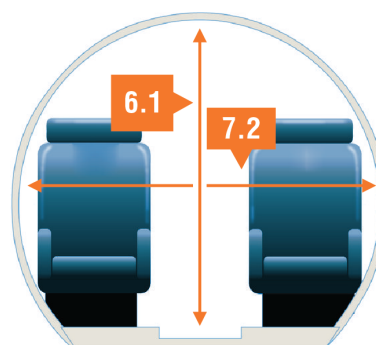
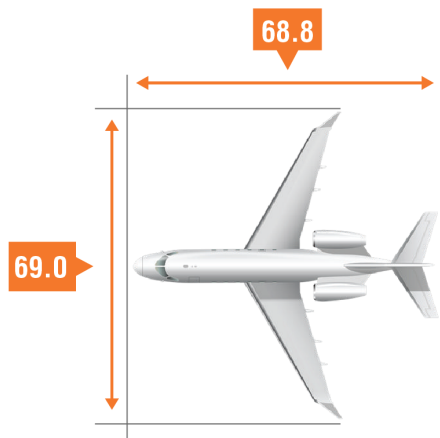
	BOMBARDIER CHALLENGER 350	GULFSTREAM G500
<b>BASIC VARIABLE COST DATA</b>		
AIRFRAME MAINTENANCE PER HOUR	\$ 1,018	\$ 1,238
ENGINE / APU MAINTENANCE PER HOUR	\$ 1,192	\$ 1,696
FUEL COST BASED ON GALLONS PER HOUR	\$ 1,128	\$ 1,728
OTHER VARIABLE COSTS	\$ 425	\$ 525
TOTAL VARIABLE COST PER HOUR	\$ 3,763	\$ 5,187
COST PER NM	\$ 8.18	\$ 10.39
<b>ADDITIONAL AIRCRAFT INFORMATION</b>		
BAGAGE CAPACITY EXT/INT FT^3	0 / 106	0 / 230
CABIN HEIGHT FEET	6'1"	6'3"
CABIN WIDTH FEET	7'2"	7'7"
CABIN LENGTH FEET	28'7"	41'6"
CABIN VOLUME FT^3	1,256	1,987
YEARS IN PRODUCTION	2014-Present	2018-Present
AVERAGE PRE-OWNED PRICE	\$ 18,144,483	\$ 41,246,875
AVIONICS	Collins Pro-Line 21	Gulfstream Symetry Flight Deck
<b>BASIC AIRCRAFT PERFORMANCE DATA</b>		
SEATS FULL RANGE(NM / SM)	3,300 / 3,798	5,100 / 5,869
FERRY RANGE(NO PAYLOAD)(NM / SM)	3,400/3,913	5,500/6,329
BALANCE FIELD LENGTH * (TAKE - OFF DISTANCE IN FEET)	5,100	5,400
LANDING DISTANCE FEET	2,700	3,487
AVERAGE BLOCK SPEED (KTS / MPH)	420/483	435/501
NORMAL CRUISE (KTS/MPH)	460 / 529	499 / 574
LONG RANGE CRUISE SPEED (KTS / MPH)	450/518	488/562
MAXIMUM CRUISE SPEED (KTS / MPH)	470/541	515/593
FUEL USAGE (GPH)	282	432
SERVICE CEILING FEET	45,000	51,000
USEFUL PAYLOAD WITH FULL FUEL LBS	1,900	2,800
MAX RAMP WEIGHT LBS	40,750	80,000
MAXIMUM TAKE OFF WEIGHT LBS	40,600	79,600
MAXIMUM LANDING WEIGHT LBS	34,150	64,350
BASIC OPERATING WEIGHT LBS	24,700	46,750
TOTAL USABLE FUEL WEIGHT LBS	14,000	28,850
WINGSPAN FEET	69'0"	86'3"
FUSELAGE FEET	68'8"	8'8"
POWERPLANT MODEL	Honeywell Engines HTF7350B	Pratt & Whitney Canada PW814GA
QUANTITY/THRUST (LBS)	2/7530	2/15144

Douglas Young

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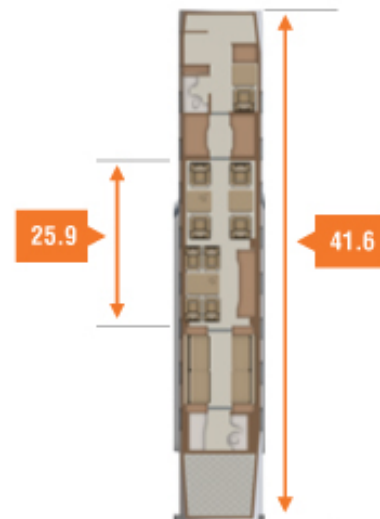
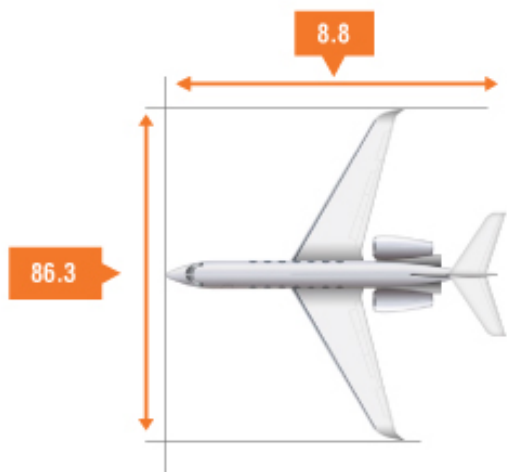
**BOMBARDIER CHALLENGER 350**

- ✓ Interior Floorplan
- ✓ Exterior
- ✓ Cross Section



## GULFSTREAM G500

- ✓ Interior Floorplan
- ✓ Exterior
- ✓ Cross Section





# DEPRECIATION ANALYSIS



## Bombardier Challenger 350

Full Price of Aircraft \$	18,144,483							
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8
Rate (%)	60.00	40.00	0.00	0.00	0.00	0.00	0.00	0.00
Depreciation \$	10,886,690	7,257,793	0	0	0	0	0	0
Depreciation Value \$	7,257,793	0	0	0	0	0	0	0
Cumulative Depreciation \$	10,886,690	18,144,483	18,144,483	18,144,483	18,144,483	18,144,483	18,144,483	18,144,483
Adjusted Cost Per Hrs \$	24,884	16,589	0	0	0	0	0	0
Total Adjusted Cost Per Hrs \$ (16,897)	(8,603)	7,986	7,986	7,986	7,986	7,986	7,986	7,986

## Gulfstream G500

Full Price of Aircraft \$	41,246,875							
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8
Rate (%)	60.00	40.00	0.00	0.00	0.00	0.00	0.00	0.00
Depreciation \$	24,748,125	16,498,750	0	0	0	0	0	0
Depreciation Value \$	16,498,750	0	0	0	0	0	0	0
Cumulative Depreciation \$	24,748,125	41,246,875	41,246,875	41,246,875	41,246,875	41,246,875	41,246,875	41,246,875
Adjusted Cost Per Hrs \$	56,567	37,711	0	0	0	0	0	0
Total Adjusted Cost Per Hrs \$ (46,085)	(27,230)	10,482	10,482	10,482	10,482	10,482	10,482	10,482

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RANGE MAP

Model	Category	Radius
<div></div> Bombardier Challenger 350	Super-Midsize Jet	3300 Nm / 3797 Sm
<div></div> Gulfstream G500	Large Jet	5100 Nm / 5868 Sm

