

HondaJet Specifications

General Specifications

Seating	1 + 5/6
Range (NBAA IFR 100 nm Fuel Reserves, 1 pilot + 3 pax)	1,223 nm
Takeoff Distance (Sea Level, ISA, MTOW)	3,934 ft
Landing Distance (Sea Level, ISA, MLW)	3,047 ft
Aircraft Dimensions	
Length	42.6 ft
Height	14.9 ft
Span	39.8 ft
Interior Dimensions	
Length	12.1 ft
Height	4.8 ft
Width	5.0 ft
Baggage Volume	66 cu. Ft.
Engines	2 x GE Honda HF120
Thrust (Each)	2,050 lb
TBO	5,000 hr
Service Ceiling	43,000 ft
Maximum Cruise Speed	422 KTAS
Avionics Suite	Garmin G3000
Certification Basis	FAR Part 23

Assumptions:

Mission Profiles:

- Standard Aircraft, ISA
- 1 Pilot + 3 Passengers, NBAA IFR 100 nm Alternate Fuel Reserves.
- Sea Level Departure and Arrival
- High Speed Cruise

Mission Profiles

300 nm Mission	
Flight Time	0:53
Fuel Used	676 lb
Altitude (FL)	FL430
600 nm Mission	
Flight Time	1:38
Fuel Used	1,179 lb
Altitude (FL)	FL430
1,000 nm Mission	
Flight Time	2:40
Fuel Used	1,863 lb
Altitude (FL)	FL430

Direct Operating Costs

Fuel	\$430.95
Maintenance (Parts & Labor)	\$277.29
Engine Reserves	\$284.18
Cost per Hour	\$992.42
Cost per Nautical Mile	\$2.70/nm

Direct Operating Costs:

- Fuel Price - \$4.00/ US Gallon
- Airframe Maintenance (Parts & Labor) - FlightReady P3
 - Assumes Annual Utilization of 300 hours / 300 cycles
 - 5 Year Average Rate
- Engine Reserves – GE Honda EMC² Engine Program

Note: This performance is for indicative purposes and in no way constitute a guarantee or any other contractual commitment on the part of Honda Aircraft Company. This information MUST NOT be used for operational purposes.

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Takeoff and Landing Distances

Elevation	Takeoff (ft)	Landing (ft)
Sea Level	3,934	3,047
5,000 ft	4,971	3,385

Takeoff:

- ISA
- Flaps T/O
- Max Takeoff Weight
- Zero Wind

Landing:

- ISA
- Flaps LDG
- Max Landing Weight
- Zero Wind

Climb Performance

Alt. (ft)		
31,000	Time (min)	12
	Fuel (lb)	281
	Distance (nm)	54
33,000	Time (min)	13
	Fuel (lb)	299
	Distance (nm)	59
35,000	Time (min)	14
	Fuel (lb)	318
	Distance (nm)	65
37,000	Time (min)	15
	Fuel (lb)	339
	Distance (nm)	73
39,000	Time (min)	17
	Fuel (lb)	364
	Distance (nm)	83
41,000	Time (min)	20
	Fuel (lb)	396
	Distance (nm)	97
43,000	Time (min)	24
	Fuel (lb)	444
	Distance (nm)	121

Climb:

- ISA
- Maximum Takeoff Weight
- Zero Wind

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Cruise Performance

Altitude		MCT	LRC
31,000	KTAS	422	318
	FF (lb/hr)	1,098	620
33,000	KTAS	419	325
	FF (lb/hr)	1,018	605
35,000	KTAS	415	333
	FF (lb/hr)	953	603
37,000	KTAS	413	344
	FF (lb/hr)	893	600
39,000	KTAS	409	351
	FF (lb/hr)	811	591
41,000	KTAS	403	356
	FF (lb/hr)	725	579
43,000	KTAS	390	360
	FF (lb/hr)	643	573

Cruise:

- Mid-Weight
- ISA
- Zero Wind

Descent Performance

Altitude		
43,000	Time (min)	22
	Distance (nm)	94
	Fuel (lb)	67
41,000	Time (min)	21
	Distance (nm)	89
	Fuel (lb)	64
39,000	Time (min)	20
	Distance (nm)	83
	Fuel (lb)	61
37,000	Time (min)	19
	Distance (nm)	78
	Fuel (lb)	58
35,000	Time (min)	18
	Distance (nm)	73
	Fuel (lb)	55
33,000	Time (min)	17
	Distance (nm)	68
	Fuel (lb)	53
31,000	Time (min)	16
	Distance (nm)	63
	Fuel (lb)	50

Descent:

- Mid-Weight Descent to Sea Level
- ISA
- Zero Wind
- 2,000 FPM – Flight Idle

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