

Honda HondaJet Specifications

Dimensions

FlyRadius

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Below are the HondaJet specifications and dimensions for the light jet. Our team has compiled data on the aircraft from publications by the Honda Aircraft Company and the Federal Aviation Administration (FAA). The HondaJet is technically known as the Honda HA-420 or the Honda Aircraft HA-420. The below specifications and dimensions are the Honda HA-420 specifications also.

Background Specifications:

- Manufacturer Serial Numbers: 42000011 and up
- Operation Types: Day/Night Visual Flight Rules (VFR) and Day/Night Instrument Flight Rules (IFR)
- FAA Type Certificate Application Date: October 11, 2006
- Type Certificate Issued: December 8, 2015
- FAA Type Certificate Number: A00018AT
- Produced under Production Certificate No. 348, dated July 8, 2016
- Capable of being flown by one pilot and no copilot or first officer.
- For single pilot operations, the following equipment must be operational and available: Autopilot and FAA Approved Quick Reference Handbook (HJ1-29000-007), Volumes 1 and 2.

Honda HondaJet Dimensions

External Dimensions

Height: 14.90 feet or 4.54 meters

Length: 42.62 feet or 12.99 meters

Wing Span: 39.76 feet or 12.12 meters

HondaJet Interior Dimensions

Cabin Height: 4.83 feet or 1.47 meters

Cabin Width: 5.00 feet or 1.52 meters

Cabin/Interior Length: 17.80

Above is a photo of the Honda HondaJet Dimensions shown on the aircraft. The base/original photo is by [Marc Lacoste on Wikimedia Commons](#). FlyRadius has added the dimensions to the photo. FlyRadius has also enhanced the photo for quality purposes. The HondaJet photo is released under a [Creative Commons Attribution-Share Alike 4.0 International](#) license.

HondaJet Specifications Lavatory - Bathroom

- Full lavatory
- Flushing HondaJet toilet (externally serviceable)
- Black marble vanity with blue colored sink/washbasin
- Coat and magazine storage areas

Baggage Compartment Specifications

Front Nose Compartment

- 9 cubic feet of space. Accessible from the outside.

Aft/Rear Compartment

- 57 cubic feet of space. Accessible from the outside.

Maximum Baggage Loading Weights:

- Forward Compartment: 100 lbs (F-Sta 54.5)
- Aft Compartment: 400 lbs (F-Sta 328.4)
- Luggage Valet: 50 lbs (F-Sta 162.6)

Above HondaJet Specifications - N420HJ in Flight Photo by [Honda News on Flickr](#). Photo (only) released under a [Creative Commons License](#).

HondaJet Performance Specifications

- Maximum Cruise speed at 30,000 feet: 422 KTAS
- Maximum Operating Altitude / Max Ceiling / Service Ceiling: 43,000 feet mean sea level (MSL) or Flight Level 430
- Maximum Takeoff Field/Airport Elevation: 10,000 feet MSL.
- Rate of Climb: 3,990 feet per minute
- Operating Temperature Limitations: 55°C and -40°C (Starting)
- Range: 1,223 nautical miles or 1407.40 statute miles, or 2265 kilometers. (NBAA IFR with 4 persons onboard the aircraft.)

Airspeed Limitations:

VMO Maximum Operating Speed: 270 KIAS

MMO Maximum Mach Operating Speed: 0.72 Mach

VA Maneuvering: 220 KIAS

VMCA Minimum Control Speed

- Flaps Up: 105 KIAS
- Flaps TO/APPR (Takeoff/Approach): 100 KIAS

VMCL Minimum Control Speed Landing Configuration

- Flaps LDG (Landing): 95 KIAS

VFE (Flaps Extended) / VFO

- Flaps TO/APPR (Takeoff/Approach): 200 KIAS
- Flaps LDG (Landing): 160 KIAS

VLE (Landing Gear Extended) /VLO (Landing Gear Operation): 200 KIAS

VTIRE Max Tire Ground Speed: 165 knots

Takeoff and Landing Distances

- HondaJet Takeoff Distance: Less than 4,000 feet
- HondaJet Landing Distance: Less than 3,050 feet

HondaJet Engine Specifications

Manufacturer / Model: GE Honda HF-120-H1A (2 engines mounted on top of both wings)

Thrust Output: 2,050 pounds of force (lbf) for each engine.

Bypass ratio: 2.9

Engine Limits:

Notes for thrust limits: Power management de-rated minimum static thrust ratings at sea level and 77°F/25°C with no installation losses.

Maximum Takeoff Thrust: 2037 pounds of thrust or pounds of force (lbf)

Maximum Continuous Thrust: 1922 pounds of thrust or lbf

Takeoff Limit: N1 Fan: 100.0% (19,055 RPM) Interstage Turbine Temperature (ITT): 860°C (*) N2 Turbine: 100.9% (49,200 RPM)

Max Continuous Limit: N1 Fan 100.0% (19,055 RPM) ITT: 860°C (*) N2 Turbine: 100.9% (49,200 RPM)

ITT are displayed limits and not actual temperature values.

* Maximum Transient for 2 minutes is 855°C.

Fuel: Jet A, Jet A-1, JP-8, and PRC No. 3 Jet Fuel

Fuel Capacity: 430.7 US Gallons Total (F-Sta 263.5). 423.9 US gallons of usable fuel. 6.8 US gallons are unusable.

Oil Tank Capacity for each engine tank: Max Oil Level at the full line: 4.99 quarts (F-Sta 320.0) 2.64 quarts Usable, 2.35 quarts are unusable.

HondaJet Weights:

- Maximum Ramp Weight: 10,680 pounds (lbs)
- Maximum Takeoff Weight: 10,600 pounds (lbs)
- Maximum Landing Weight: 9,860 pounds (lbs)
- Maximum Zero Fuel Weight: 8,800 pounds (lbs)

Payload Specifications

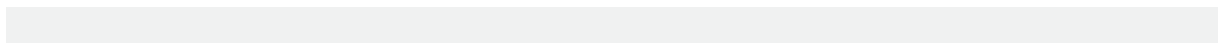
HondaJet Passengers Configurations: 1 crew plus 5 passengers. Optional configuration: 1 crew plus 6 passengers. One passenger sits in the copilot's seat in both configurations. A copilot can be added, which will reduce the passenger count by one.

Number of Seats: 7 Seat Maximum (Includes pilot or pilots and crew members).

Total Baggage Compartment Storage: 66 cubic feet

Other Names For the HondaJet

- Honda Aircraft HA-420: The HondaJet is officially known as the HA-420. Aviation regulators use the name HA-420 to identify the aircraft. The HA-420 dimensions and specifications are listed [here](#).
- Honda HDJT: HDJT is the 4 place alphanumeric identifier for the aircraft the FAA is using this code to identify the aircraft for air traffic control operations. HDJT is also the ICAO identifier for the light jet (likely).



SPEC SHEET

HondaJet Elite HA-420

Base price: \$5.28 million

Specifications

Powerplants | (2) GE Honda Aero HF120, 2,095 lbst derated to 2,050 lbst

Recommended TBO | 5,000 hr

Length | 42 ft 8 in

Height | 14 ft 11 in

Wingspan | 39 ft 9 in

Wing area | 176.6 sq ft

Wing loading | 60.6 lb/sq ft

Power loading | 2.6 lb/lbst

Seats | 1+5/7

Cabin length | 12 ft 1 in

Cabin width | 5 ft

Cabin height | 4 ft 10 in

Basic operating weight | 7,144 lb

Max ramp weight | 10,780 lb

Max takeoff weight | 10,700 lb

Zero fuel weight | 8,900 lb

Max payload | 1,756 lb

Fuel with max payload | 281 gal/1,880 lb

Useful load | 3,636 lb

Payload w/max fuel | 692 lb

Max landing weight | 9,960 lb

Fuel capacity | 439 gal/2,944 lb

Baggage capacity, nose | 200 lb, 9 cu ft Aft | 400 lb, 57 cu ft

Performance

Balanced field length, SL @ 15 deg C/59, deg F | 3,491 ft

Max cruise speed, approx. (FL310) | 422 KTAS

Cruise speed/range w/ NBAA fuel reserves (fuel consumption)

@ High-speed cruise, FL330 | 419 KTAS* (149 gph/999 pph)

@ Long-range cruise, FL430 | 360 KTAS/1,437 nm (81 gph/543 pph)

Max operating altitude | 43,000 ft

Sea-level cabin | 23,060 ft

Landing distance | 2,804 ft

Limiting and Recommended Airspeeds

V₁ (takeoff decision speed) | 104 KIAS

V_R (rotation) | 109 KIAS

V₂ (takeoff safety speed) | 115 KIAS

V_{FE} (max flap extension)

Takeoff/approach | 200 KIAS

Landing | 160 KIAS

V_{LE} (max gear extended) | 200 KIAS

V_{LO} (max gear operating)

Extend | 200 KIAS

Retract | 200 KIAS

V_{REF} (reference speed, final approach) | 106 KIAS

V_{MO} (max operating speed) at FL320 | 270 KIAS

M_{MO} (max Mach number) | M 0.72

For more information contact Honda Aircraft Company, 6430 Ballinger Road, Greensboro, North Carolina 27410; 888-453-5937; hondajetelite.com

AOPA Finance estimates a monthly payment of \$27,800 with 15 to 20 percent down, a five-year term and 20-year amortization, and a 4.25 percent rate.

All specifications are based on manufacturer's calculations. All performance figures are based on standard day, standard atmosphere, sea level, gross weight conditions unless otherwise noted.

*Range for high-speed cruise not released.

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