# HONDA HA-420 Model Guide

The HONDA HA-420 is a twin-turbofan jet. The sample maintenance report shows two HF120-H1A engines. Registry figures for the whole HA-420 family are up to 6 passengers, 1100 nm range, 389 kt cruise, 41000 ft ceiling and 4100 kg MTOW. Use the AFM for your own aircraft's limits.

## KEY TAKEAWAYS

- Family-level registry data: up to 6 passengers, up to 1100 nm range, up to 389 kt cruise, ceiling up to 41000 ft.
- AFM TR 01.1 applies to serials 42000011 through 42000089 not modified by SB-420-32-001. It requires power brake valve leak checks.
- Dispatch is prohibited with a known leaking power brake valve until SB-420-32-001 actions are done.
- The sample status report lists a 6000 hour structure life limit and 600 hour scheduled inspections. Check the records of any aircraft you buy.

## POWER BRAKE VALVE LEAK CHECK (TR 01.1)

TR 01.1 (16 February 2018) applies to serials 42000011 through 42000089 not modified by SB-420-32-001. Before every flight and every landing, hold both brake pedals down. A pedal that keeps sinking indicates a leaking valve, which can cause brake fade and a pull to one side. Do not dispatch until SB-420-32-001 is done. Ask for proof of compliance.

## ANTI-SKID FAILURE AND BRAKING

With ANTI-SKID FAIL, the AFM says to select a dry runway. Landing distance rises 50% on dry and 100% on wet using light braking. Any braking above light on a wet runway could blow tires and cause loss of directional control. Normal brakes may not be available, so the emergency brake handle is pulled gradually. About ten applications are available with a fully charged system.

## PRE-BUY CHECKS AND RECORDS

The Japanese flight-test checklist walkaround includes brake wear pins, tires and struts. Left and right struts should not differ by more than 1.5 inches. It also covers fuel drains, static wicks, engine inlets and ice detectors. The sample status report (S/N 42000217, 196.4 hours) shows a structure life limit of 6000 hours and a 600 hour inspection package. It also lists items due at 2400 hours.

### PERFORMANCE

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|---|---|
| Family Max Range Nm | 1100 |
| Family Max Cruise Speed Kt | 389 |
| Family Max Service Ceiling Ft | 41000 |

## SAFETY NOTES

- Do not dispatch with a known leaking power brake valve. Perform SB-420-32-001 first.
- On a leaking valve landing, choose a long, wide, dry runway with minimal crosswind. Use rudder and nosewheel steering to hold the centerline.
- Asymmetric braking can still occur even if the pre-landing brake check passes. Be ready for a pull to one side.

AI-aggregated guide for the HONDA HA-420 · sources: TEMPORARY REVISION TR 01.1 (#100342) · HA-420 AFM (#101745) · 地上機能検査 ・ 飛行検査 点検表 (#100681) · Status Report - HONDAJET HA-420 (#101974) · generated 2026-10-19 · Reference only, not for flight. Check the original documents before relying on this guide.