

# **Pilot Handbook**

**v0.5.7**

**Honda HA-420 HondaJet Elite**

**Zotac Innovations**

**A product of ZotacTheAviator**

X-Plane 11

# Table of Contents

<b>Extra Information</b>	<b>2</b>
<b>Installation</b>	<b>3</b>
After Installation:	4
<b>Performance</b>	<b>5</b>
General Information	5
Weights	5
GE Honda HF120-H1A Engines	5
Reference Speeds	5
<b>Systems</b>	<b>6</b>
Landing Gear	6
<b>Credits</b>	<b>7</b>
Fonts	7

## Extra Information

Honda took a long time developing from the late 1980s to 2003 first flight. They spent 2007-2015ish getting their factory ready.

The HondaJet Elite is a good competitor of the Cessna Citation M2, Phenom 100EV, and Eclipse 550.

C25M - Cessna Citation M2

E50P - Embraer Phenom 100EV

EA50 - Eclipse 550

HDJT - Honda HA-420 HondaJet Elite

### Speed (mph):

- EA50 - 432
- C25M - 465
- E50P - 467
- HDJT - 483

### Range (mi):

- E50P - 1356
- EA50 - 1496
- HDJT - 1653
- C25M - 1784

### Fuel Burn (lbs/h):

- EA50 - 400
- C25M - 516
- HDJT - 543
- E50P - 697

### Unit Cost (USD, new):

- EA50 - \$3.00M (2015)
- E50P - \$4.50M (2018)
- C25M - \$5.15M (2019)
- HDJT - \$5.28M (2019)

### Production Count (all variants, except C25M):

- EA50 - 33, 2014-2017 (2017), stopped production permanently
- HDJT - 150, 2015-2020 (2020), temporarily suspended production for COVID-19
- C25M - 250, 2012-2017 (2017), stopped production permanently
- E50P - 369, 2008-2020 (2018)

## Installation

1. Extract file from the Zip file.
2. Put the extracted file into the Aircraft directory
3. Do not modify files that are not textures. If you do, the plugin will not load for you. If your plugin doesn't run at all, that is a different story.

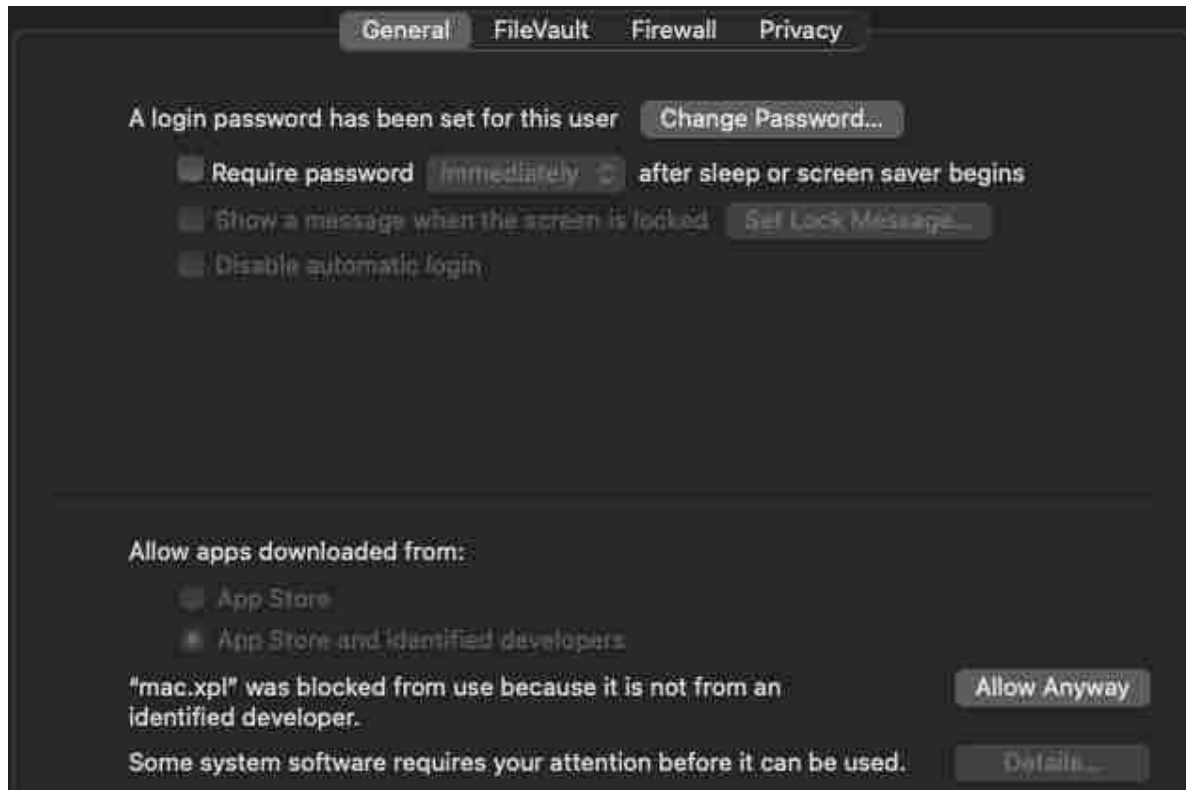
**Windows:** Must have C++ 2017 Redistributables

(<https://forums.x-plane.org/index.php?/files/file/34640-microsoft-c-redistributable-package/>)

**Mac:** If you get this message on startup...



Click *OK*.



When it takes you to this page, click *Allow Anyway*.

### After Installation:

- **Issue:** MFD engine info text displays 0s: Check log.txt and search for *HondaJet Module*. The messages will tell you what is doing and if there is anything wrong. Send your log.txt file if there are no messages.

## Performance

### General Information

Specification	Value
Max. Speed	483 mph 420 KTAS Mach 0.63
Max. Operating Altitude	FL430
Max. Range	1784 mi 1550 nm 2871 km
Climb Rate	4100 ft/min 1250 m/min
Passenger Capacity	7

### Weights

Specification	Value
Empty Zero Fuel Weight	7203 lbs
Max. Ramp Weight (MRW)	10780 lbs
Max. Zero Fuel Weight (MZFW)	8900 lbs
Max. Takeoff Weight (MTOW)	10700 lbs
Max. Landing Weight (MLW)	9960 lbs
Fuel Capacity	2948 lbs
L/R Wing Tanks Each	580 lbs
Fuselage Bladder Tank	900 lbs
Carry-Through Tank	750 lbs
Auxiliary Fuel Tank	138 lbs

### GE Honda HF120-H1A Engines

Specification	Value
Combined Fuel Burn	543 lbs/hr
Max. Continuous Thrust	1922 lbs
Takeoff (5 min.)	2037 lbs
Engine Failure	2050 lbs

### Reference Speeds

Specification	Value
V <sub>S0</sub>	105 kts
V <sub>S</sub>	110 kts
V <sub>fe-m</sub>	160 kts
V <sub>fe-1</sub>	200 kts
V <sub>lo/Vle</sub>	200 kts
V <sub>mo</sub>	270 kts
M <sub>mo</sub>	Mach 0.72

At Max Landing Weight (MLW)

## **Systems**

### **Landing Gear**

- Will not retract on the ground
- Will not extend above Vlo

## Credits

### Fonts

**“cockpit\_3d\generic\gen\_text\_0-4.png” (CC License) - The FontStruction “G1000”**  
(<https://fontstruct.com/fontstructions/show/86362>) by “nnowatzk”