

# Cirrus Aircraft Vision Jet

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# Vision Jet Overview

FAA, Part 23, Turbojet, Single Pilot, VFR & IFR Day and Night, FIKI - October 28th, 2016

EASA – CS-23, Turbofan, Single Pilot, VFR & IFR Day and Night, FIKI, High Performance, Complex, Performance Class B – May 22<sup>nd</sup>, 2027

Approved for Sustainable Aviation Fuel (SAF)

Lowest producing carbon emissions turbojet in production - JSSI / Conklin and De Decker





**MAX PAYLOAD**  
ENTIRE TEAM - 550 NM

**TYPICAL MISSION**  
4 PEOPLE - 950 NM

**MAX RANGE**  
2 PEOPLE - 1275 NM

**TYPICAL  
CRUISE  
SPEED**

~310KTAS at FL310

**FULLY  
COUPLED  
APPROACH**

APPROACH SPEEDS  
COMPARABLE TO  
SINGLE ENGINE  
PISTON AIRCRAFT



# Ease of Use



- 3-axis digital autopilot, flight director
- Auto throttle
- Electronic stability protection featuring under speed and overspeed, pitch and roll attitude protection

- FADEC engine operation
- Simplified avionics for ease of operation
- Logical control location focused on a single pilot
- Emergency controls located in one panel
- Familiar layout to SR
- Crew alerting serving as backup 'crew member'



# Vision Jet Safety







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# Vision Jet Customer

600+ aircraft delivered

500,000+ fleet hours

61% transitioned from the SR

40 EASA based aircraft

- 16 EASA registered
- 24 Other registered

## Commercial operations

- FAA: 18 operators
- 5+ operators in EASA inquiring



# Vision Jet Training

- 1300+ Type Ratings Completed
- Based in Knoxville TN, US
- 2 FFS, 2 FTD, 3<sup>rd</sup> FTD ordered
- FAA
- EASA
- ANAC
- UK
- AUS CASA








# NCC

## CMPA Rule Overview and Vision Jet Comparison

- MCTOM Exceeding 5,700kg
- Minimum crew of at least two
- Certified maximum seating configuration of more than 19
- Equipped with a Turbojet Engine

						
	Vision Jet	TBM 940/960	Piper M600	PC12 NGX	King Air 90	King Air 200
Seats (Crew + Adults + Child)	7 (1 + 4 + 2)	6 (1 + 5)	6 (1 + 5)	8 (1 + 7)	6 (1+5)	7 (1+6)
Max Gross Takeoff Weight (kg)	6000lb. (2721kg)	7394lb. (3354kg)	6000lb. (2721kg)	10,450lb.(4740kg)	10,100lb (4581kg)	12,500lb (5670kg)
Avionics Suite	Garmin G3000	Garmin G3000	Garmin G3000	Honeywell	Collins Proline	Collins Proline
Engine	Williams FJ33-5A	P&W PT6A	P&W PT6A	P&W PT6A	2 x PT6A	2 x PT6A
FADEC? (Yes / No)	Yes	Yes	Yes	Yes	No	No
Max Cruise Speed	315 KTAS	324 KTAS	274 KTAS	285 KTAS	274 KTAS	289 KTAS
Max Cruise Altitude	FL310	FL310	FL300	FL300	FL300	FL350
Range	1157 NM	1138 NM	1460 NM	1467 NM	930 NM	1091 NM
Owner/Operator Governing Regulation	Part-NCC	Part-NCO	Part-NCO	Part-NCO	Part-NCO	Part-NCO
Performance Category	Class B	Class B	Class B	Class B	Class B	Class B

# Comparison to NCC Exempted Aircraft

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# Issue 2: Single Pilot Commercial Operations

ICAO Rules mandate that any turbojet airplane operated commercially requires two pilots

The FAA supports commercial operations in single pilot certified aircraft

EASA will consider an exemption when ICAO Agrees to create a Job Card to address the language

JetFly has invested a lot of time into supporting this through the Lux.

# Jet Fly

Fabien Rousset

Director of Strategy and  
Transformation

