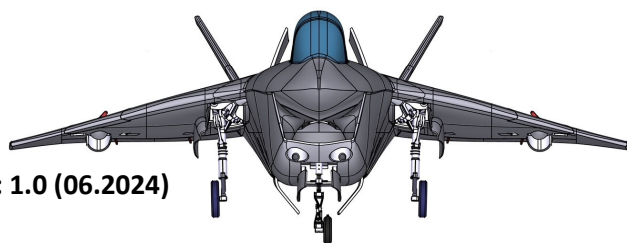


Projekt/ Project: X-32 A/B Version: 1.0 (06.2024)



Projekteigentümer/Project owner: Joel Vlashof, Andreas Siek

Veröffentlicher/ Published by: RC-Jetprint.de

Spezifikationen und Zubehör/ Specifications and list of components:

Spannweite/ Wingspan:	1.260 mm
Länge/ Length:	1.480 mm
Flächenbelastung/ Wing load:	Nicht berechnet/ Not calculated
Luft-Geschwindigkeiten/ Air speeds:	45-140km/h
Haupt-EDF/ Main-EDF:	1 x JP 105 mm - 8S - 1150Kv
Hauptluftführung/ Main ducting:	Open Ducting - 95° rotatable thrust vectoring
Gewicht/ Weight:	App. 5.200 gr
Stand Schub / Horizontal thrust:	5.000 gr
Vertikaler Stand Schub/ Vertical thrust:	8.000 gr
Haupt-Lipo/ Main-Lipo:	8S, 50C, 5.000 mAh
Regler/ ESC:	APD F Series 200F3 14S, 60V, 200A
Spannungsversorgung/ BEC:	Matek UBEC Duo 4A 5V-12V
Seitenruder Servo/ Rudder servo:	2 x Hitec HS-70-MG (or similar)
Querruder Servo/ Ailerons servo:	2 x Hitec HS-70-MG (or similar)
Höhenruder Servo/ Elevator servo:	2 x Hitec HS-70-MG (or similar)
Vorflächen Servo/ Slats servo:	2 x Hitec HS-70-MG (or similar)
Empfänger/ Receiver:	Min. 10CH
Haut-EDF Drehung/ Main-EDF turning:	2 x AGFRC, B26CLM, 10.5kg
Vektorsteuerung/Thrust vectoring tail:	2 x Torcster Micro Servo NR-54 MG Digital
EZF Bug/ Front gear retract:	1 x Pichler size (M) steerable retract
Lenkung Bugservo/ Front gear servo:	8mm Micro Servo
EZF Haupt/ Main gear retract:	2 x AGFRC, B26CLM, 10.5kg
Vorderer Impeller/ Front EDF:	2 x Galaxy X4 40 mm, 5000Kv
Hinterer Impeller/ Back EDF:	2 x Galaxy X4 40 mm, 5000Kv
Flächenimpeller/ Wing EDF:	2 x Galaxy X4 40 mm, 5000Kv
Yaw- Flächenservos/ Yaw wing servos:	2 x Torcster Micro Servo NR-54 MG Digital
Fahrwerkstüren/ Gear doors:	2 x Torcster Micro Servo NR-54 MG Digital
Haupt-EDF Türen/ Main EDF doors:	2 x Hitec HS-70-MG (or similar)
Stabi-Lipo/ Leveling-Lipo:	4S, 40C, 4.000 mAh
Stabi-System/ Leveling system:	KK2.1.5 board – “OpenAero V1.6” flashed (VTOL version)
Flugstabilisierung/ Flight Controller:	3-Axis Gyro (user dependant) or KK2.1.5 board
Telemetrie/ Telemetry:	Capacity, Voltage, Air speed, etc. (user dependant)

Teile Liste/ Part List X-32 A/B		
Part	Amount	Recommendations/ Usage
Materials		
LW-PLA	3.000 gr.	ColorFabb
PLA	400 gr.	ColorFabb (for linkages and front strut)
PLACF	400 gr.	Bambulab (for main retracts)
3D Lac Plus	1	
Super Glue	250 gr.	
Super Glue Accelerator	1 bottle	
Sand Paper 80 grid, 120 grid	5 sheets	
Fork heads plastic M2	30 pc.	
Ball joints M2	30 pc.	
Fork heads plastic M3	8pc.	
Ball joints M3	8 pc.	
M2 threaded rod	1 m	
M3 threaded rod	300 mm	
10x1mm Carbon tube	700 mm	Struts (outer rod)
8x1mm Carbon Tube	1.500 mm	Struts (inner rod) and main wing tube
6x1mm Carbon Tube	2.000 mm	Wing tubes front and back, vertical stabilizers
5x1mm Carbon Tube	1.000 mm	Wing EDF hinging, Flaps and Ailerons hinging
3 x 1mm Carbon Rod	1.000 mm	Vertical rudders and tail vector hinging
Nylon screws M4 long	2 pc.	Axis for main EDF holder
Nylon nuts M3	5 pc.	Front retract and steering servo fastening
Compression springs 8 x 30 mm	3 pc.	Medium (red) strength for struts
Tension spring 0.4 x 4 x 20 mm	1 pc.	Front gear wip mechanism (servoless opening)
0.4 mm fishing wire (stainless)	400 mm	Front gear steering
Sleeves for 0.4 mm wire	4 pc.	Fastening of steering wires
Stainless steel screws M2/ M3	Appr. 60 pc.	
Magnets 5x5x5	10 pc.	Canopy and wingtips
Magnets 5x5x2	9 pc.	Cover doors (top and bottom)
Wheels 55 x 20 diameter (foam)	1 pc.	Front wheel
Wheels 75 x 20 diameter (foam)	2 pc.	Main wheels
PVC hinges 29 x 16	14 pc.	Main EDF doors (top and bottom), main gear doors

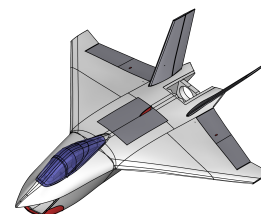
Several servo extension cables	6 - 10 pc.	User dependant
Several servo Y-cables	6 – 10 pc.	User dependant

Projekt/ *Project*: X-32A (Handlauncher)

Version: 1.0 (09.2023)

Projekteigentümer/*Project owner*: Joel Vlashof, Andreas Siek

Veröffentlicher/*Published by*: RC-Jetprint.de



Spannweite/ <i>Wingspan</i>:	320 mm
Länge/ <i>Length</i>:	440 mm
Flächenbelastung/ <i>Wing load</i>:	Nicht berechnet/ <i>Not calculated</i>
Luft-Geschwindigkeiten/ <i>Air speeds</i>:	70-130km/h
Haupt-EDF/ <i>Main-EDF</i>:	1 x QX Motor, 30 mm - 14.000KV
Hauptluftführung/ <i>Main ducting</i>:	Open Ducting
Gewicht/ <i>Weight</i>:	App. 360 gr (incl. Lipo)
Stand Schub / <i>Horizontal thrust</i>:	350 gr
Haupt-Lipo/ <i>Main-Lipo</i>:	3S LiPo, 800 mAh
Regler/ <i>ESC</i>:	40 A
Querruder Servo/ <i>Ailerons servo</i>:	2 x Torcster Micro Servo NR-54 MG Digital (Delta mix)
Empfänger/ <i>Receiver</i>:	Min. 3 CH (gyro assist optional)

Hinweise:

Die hier gelisteten Komponenten sind Empfehlungen des Projekteigentümers, die ausgesucht und getestet wurden, um ein optimiertes Schub-Gewichtsverhältnis darzustellen, bei gleichzeitiger verlässlicher Funktionalität der Komponenten. **Die Druckdateien sind auf diese Komponenten ausgelegt!**

Notes:

The components listed are the project owners recommendations that have been selected and tested to provide an optimized thrust-to-weight ratio while maintaining reliable component functionality. **The print files are designed for these components!**