



# Aircraft Checklist

MFU - Pilotenclub - LOAV



3fly.at

## OE-AXT

### Super Decathlon Extreme 8KCAB

MTOM = 1950 lb/1800 lb Acro

A/C-Size: W: 9.8m H: 2.4m L: 6.7m

#### FPL (EXAMPLE)

7	A/C ID	OE-AXT
8	Flight Rules	V
	Type of Flight	G
9	Type of A/C	BL8
	Wake Turbul. Cat.	L
10	Equipment	SY/S
13	Departure A/D	LOAV
	Departure Time	0830
15	Speed	N0120
	Flight Level	VFR
	Route	RADLY
16	Destination A/D	LJPZ
	Total EET	0200
	Alternate A/D	LOWG
18	Other Info	EET/RADLY0050
19	Endurance	0300
	Persons on Bord	2
	Emerg. Equipm.	ELT
	A/C Colour	RED WHITE
	Name PIC	NAME/TEL

#### OPERATOR

### MFU Flugbetrieb GmbH

A-2542 Kottingbrunn

Flugplatz 1, Top 1

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#### CONTACT

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#### FUEL

Fuel AVGAS 100LL

Max. Fuel 43 gal

Unus. Fuel 3 gal

#### OIL

Shell Aero W80/100

Minimum 6 quarts

Maximum 8 quarts

#### TIRE

Main Tires 29 psi / 2.0 bar

Tailwheel Tire 40 psi / 2.75 bar

#### SPEED

V<sub>S0</sub> (Stallspeed) 58 mph

V<sub>G</sub> (best glide) 76 mph

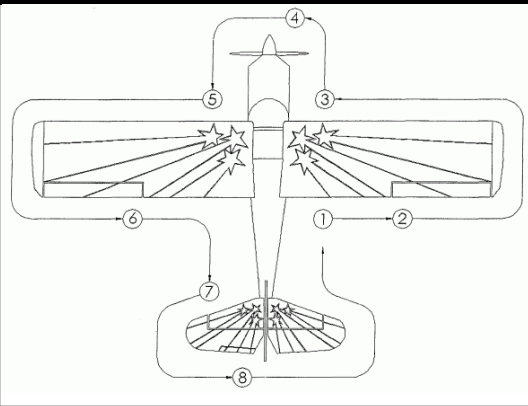
Max. Demo. X-Wind 20 mph

#### COM FAIL

- Clear to Land
  - Return to Landing
  - Continue Circling
  - A/D unsafe, don't Land
  - Land at this A/D and proceed to Apron - wait for Clearance
- Do not Land

Consult POH/AFM for "Warnings, Cautions and additional Information"

This document does not replace POH/AFM - (AXT 2022 V2.3)

**PREFLIGHT****1 CABIN**

1 Controls	RELEASE
2 Ignition Switches	OFF
3 Fuel Quantity	CHECK
4 Fuel Valve	ON
5 Seat Belts	INSPECT
6 Rear Seat Belt	SECURE
7 ELT	ARMED

**2,3 RIGHT WING**

8 Root Cover	SECURE
9 Aileron	CHECK
10 Wing & Struts	CHECK
11 Right Main Wheel	CHECK
12 Fuel Quantity	CHECK
13 Fuel Filler Cap	CHECK

**4 NOSE**

14 Oil Level	CHECK
15 Engine Compartment	NO LEAKS
16 Cowl Doors	LATCHED
17 Gascolator	DRAIN
18 Windshield	CLEAN
19 Prop, Spinner	CHECK
20 Prop Blade Shank	CHECK
21 Air Filter	CHECK

**5,6 LEFT WING**

22 Left Main Wheel	CHECK
23 Fuel Quantity	CHECK
24 Fuel Filler Cap	CHECK
25 Fuel Vent	CHECK
26 Pitot Tube	CHECK
27 Stall Warning Vane	FREE
28 Aileron Movement	FREE
29 Wing Root Cover	SECURE
30 Wing Strut	CHECK

**7,8 TAIL SECTION**

31 Left Static Port	CHECK
32 Fuselage Drain	DRAIN
33 Tail Surface & Wires	CHECK
34 Control Surface	FREE
35 Trim Tab	Free
36 Tail Wheel Inflation	CHECK
37 Right Static Port	CHECK

**BEF. ENGINE START**

1	Preflight Inspection	COMPL
2	Passenger Briefing	COMPL
3	Seats/Seat Belts	ADJUST/LOCK
4	Fuel Valve Handle	ON
5	Brakes	TEST & SET
6	Avionic Master	OFF
7	Electrical Equipment	OFF

**FLOODED ENGINE START**

1	Master	ON
2	Mixture	CUTOFF
3	Throttle	FULL OPEN
4	Alternate Air	COLD
5	Propeller Area	Clear
6	Ignition Left	ON
7	Starter Button	PRESS
8	Mixture on Eng. Start	RICH
9	Throttle	REDUCE
10	Ignition Right	ON
11	Oil Pressure	CHECK

**ENGINE START**


1	Master	ON
COLD	Mixture	RICH
	Throttle	FULL
	Prime Pump	3 SECS.
	Mixture	CUTOFF
	Throttle	CRACKED
HOT	Mixture	CUTOFF
	Throttle	CRACKED
9	Alternate Air	COLD
10	Propeller Area	Clear
11	Ignition Left	ON
12	Starter Button	PRESS
13	Mixture on Eng. Start	RICH
14	Ignition Right	ON
15	Oil Pressure	CHECK

**COCKPIT BEFORE FLIGHT**

1	Cabin Door	LATCHED
2	Flight Controls	FREE
3	Rear Rudder Pedals	FREE
4	Trim Tab	<b>CENTERED</b>

**ENGINE RUNUP**

1	Throttle	2100 rpm
2	Mixture	FULL RICH
3	Magnetos 150/50	CHECK
4	Alternate Air	CHECK
5	Engine Instruments	IN GREEN
6	Throttle	1500rpm
7	Propeller	CYCLE
8	Throttle Idle	CHECK

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**TAKEOFF NORMAL**

1 Trim Tab	<b>CENTERED</b>
2 Mixture	FULL RICH
3 Propeller	FULL FWD
4 Fuel Pump	ON
5 Alternate Air	COLD
6 Throttle	FULL FWD
7 Engine Instruments	IN GREEN



**TAKEOFF SHORT FIELD**

1 Mixture	FULL RICH
2 Propeller	FULL FWD
3 Fuel Pump	ON
4 Alternate Air	COLD
5 Throttle	FULL FWD
6 Engine Instruments	IN GREEN
7 Brakes	RELEASE
8 Rotate	<b>58 mph</b>
9 Obstacle Speed	<b>70 mph</b>

**CLIMB**

1 Throttle	FULL
2 Mixture	FULL RICH
3 Propeller After Obstacle	2500rpm
4 Fuel Pump	OFF
5 Climb Speed	BEST RATE
6 Engine Instruments	GREEN ARC

**CRUISE**

1 Throttle 	AS REQ
2 Trim	AS REQ
3 Mixture 	LEAN
4 Avionics	CHECK

**DESCENT**

1 Power	AS DESIRED
2 Elevator Trim	ADJUST
3 Mixture	AS REQ
4 Alternate Air	AS REQ
5 Engine Instruments	GREEN ARC

**LANDING NORMAL**

1 Mixture	RICH
2 Propeller	FULL FWD
3 Fuel Pump	ON
4 Alternate Air	HOT
5 Airspeed	<b>80 mph</b>

**LANDING SHORT FIELD**

1 Mixture	RICH
2 Propeller	FULL FWD
3 Fuel Pump	ON
4 Alternate Air	HOT
5 Airspeed	<b>76 mph</b>
6 Throttle after Obstacle	IDLE
7 Brakes	APPLY

**BALKED LANDING**

1	Throttle	FULL
2	Alternate Air	COLD
3	Airspeed	<b>76 mph</b>

**AFTER LANDING**


1	Fuel Pump	OFF
2	Carburetor Heat	COLD

**SHUT DOWN - SECURING ACFT**

1	Parking	INTO WIND
2	Parking Brake	SET
3	Radios	OFF
4	Electr. Equipment	OFF
5	Throttle	1000 rpm
6	Magnetos	CHECK
7	Mixture	IDLE CUTOFF
8	Ignition	OFF
9	Master Switches	OFF
10	Control Lock	Seat Belt

**RECOVER FROM SPIN**

1	Throttle	IDLE
2	Aileron	NEUTRALIZE
3	Rudder Full Opposite	APPLY
4	Elevator	NEUTRAL
5	On Rotation Stop Rudder	NEUTRALIZE
6	Raise Nose	SLOWLY

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## 8KCAB Cruise Performance

Conditions:

1. Gross Weight - 1950 lb
2. Recommended Lean Mixture
3. Standard Temperature and Pressure

% BHP	RPM	MP	TAS (mph)	GPH
3000 ft				
94	2700	26.4	159	15.7
83		24.0	148	13.7
74		22.0	139	9.4
65		20.0	129	8.3
89	2550	26.5	155	14.6
78		24.0	144	12.6
70		22.0	135	8.8
61		20.0	126	7.9
85	2450	26.5	151	13.9
75		24.0	141	12.0
67		22.0	132	8.5
58		20.0	123	7.5
81	2350	26.6	146	13.1
71		24.0	136	9.0
63		22.0	128	8.1
55		20.0	120	7.2
9000 ft				
76	2700	21.0	154	12.3
71		20.0	149	9.0
61		18.0	138	8.0
52		16.0	128	7.0
71	2550	21.1	150	9.0
67		20.0	145	8.5
58		18.0	135	7.5
49		16.0	124	6.5
69	2450	21.2	148	8.6
64		20.0	142	8.2
55		18.0	133	7.2
46		16.0	122	6.2
65	2350	21.3	143	8.3
60		20.0	138	7.8
52		18.0	130	6.9
45		16.0	121	6.1

% BHP	RPM	MP	TAS (mph)	GPH
6000 ft				
83	2700	23.6	155	13.7
78		22.0	149	12.6
68		20.0	139	8.7
59		18.0	129	7.6
80	2550	23.7	153	13.0
73		22.0	145	9.2
64		20.0	135	8.2
55		18.0	125	7.2
77	2450	23.8	150	12.4
70		22.0	142	8.8
61		20.0	132	7.9
52		18.0	123	6.9
73	2350	23.9	145	11.7
66		22.0	137	8.4
58		20.0	129	7.5
50		18.0	121	6.6
12000 ft				
67	2700	18.6	152	8.6
64		18.0	149	8.3
55		16.0	138	7.2
65		2550	18.7	150
61	18.0		145	7.9
51	16.0		133	6.8
62	2450		18.8	147
58		18.0	143	7.5
49		16.0	132	6.5
59		2350	18.9	144
55	18.0		139	7.2
48	16.0		131	6.4

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