



Aircraft Checklist

MFU - Pilotenclub - LOAV



3fly.at

OE-AKI

AQUILA A211

MTOM = 750 kg / 1.653 lb

A/C-Size: W: 10.3 m H: 2.4m L: 7.4 m

FPL (EXAMPLE)

7	A/C ID	OE-AKI
8	Flight Rules	V
	Type of Flight	G
9	Type of A/C	A211
	Wake Turbul. Cat.	L
10	Equipment	SY/S
13	Departure A/D	LOAV
	Departure Time	0830
15	Speed	N0110
	Flight Level	VFR
	Route	SOPRON
16	Destination A/D	LHFM
	Total EET	0025
	Alternate A/D	LOAN
18	Other Info	EET/SOPRON0015
19	Endurance	0430
	Persons on Bord	2
	Emerg. Equipm.	ELT
	A/C Colour	WHITE
	Name PIC	NAME

OPERATOR

MFU Pilotenclub

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CONTACT

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FUEL

Fuel	EN228 SUPER
Fuel (alt.)*	AVGAS 100LL
Maximum Fuel	120 L / 31.7 gal
Unusable Fuel	10.4 L / 2.8 gal

*) If alternative Fuel used → Entry in A/C LOG

OIL

Aero Shell SPORT PLUS 4	
Minimum	DIFF = 0.45 L
Maximum	

TIRE

Front Tire	36 psi / 2.5 bar
Main Tires	36 psi / 2.5 bar

SPEED

V _{S0} (Stall- Flaps max)	39 KIAS
V _G (best glide, Flaps up)	78 KIAS
Max. Demo. X-Wind	15 knots

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 - (AKI 2023 V2.2)

DAILY INSPECTION	
1 Fuel Tank Sumps	2x DRAIN
2 Electr. Fuel Pump	DRAIN



CABIN CHECK	
3 A/C Documents	CHECK
4 Ignition Key	REMOVE
BATTERY	Master – ALT1/BAT ON
	Lights (ALT1, Fuel) ILLUM
	Lights (ALT2, Volt) ILLUM
	Master – ALT1 OFF
	Eng. Instrument CHECK
	Fuel Quantity CHECK
	Light: Nav, Ldg, Instr CHECK
	ACL, Stall Warning CHECK
	Master – BAT OFF
	14 ELT ARM
15 Foreign Objects	REMOVE
16 Baggage stowed	SECURE
17 Canopy clean	NO DAMAGE
18 Flashlights	CHECK



EXTERIOR CHECK

1. Left Main Gear	
19 Wheel Fairng/Strut	CHECK
20 Tire Press/Slip Mkr*	CHECK
21 Tire/Wheel/Brake	VIS INSP
22 Chocks	REMOVE

*) Red dot under tire valve



2. Fuselage	
23 Shell & Skid Plate	VIS INSP
24 Tail Tiedown	DISCON



3. Empennage	
25 Elevat. & Stabilizer	VIS INSP
26 Rudder	VIS INSP
27 Fitting Bolt Connect	CHECK
28 Vertical Stabilizer	VIS INSP



4. Right Main Gear	
29 Wheel Fairng/Strut	CHECK
30 Tire Press/Slip Mkr*	CHECK
31 Tire/Wheel/Brake	VIS INSP
32 Chocks	REMOVE

*) Red dot under tire valve



5. Right Wing	
33 Wing Surfaces	VIS INSP
34 Fuel Vent – clear	CHECK
35 Flap	CHECK
36 Aileron/Insp. Wndw.	VIS INSP
37 Wing Tip	VIS INSP
38 Fuel Level- Dipstick	CHECK
39 Fuel Filler Cap	CLOSE
40 Wing Tiedown	DISCON

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6. Nose Section / Cowling

41	Ignition/ALT1/BAT	CHECK OFF
42	Parking Brake	SET
43	Crank Engine	CHECK NOISE
44	Oil level/diff. 0.45L	CHECK
45	Coolant Level	CHECK
46	Air+Cooler Intakes	FREE
47	Winterkit Temp Lmt. +10°	CHECK
48	Cowling Fasteners	CHECK
49	Propeller/Spinner	CHECK



7. Nose Ldg Gear

50	Wheel Fairng/Strut	CHECK
51	Gear Strut Mount	VIS INSP
52	Tire Pressure	CHECK
53	Tire/Wheel	VIS INSP
54	Shock Absorber	CHECK
55	Chocks/Tow Bar	REMOVE



8. Left Wing

56	Wing Surfaces	VIS INSP
57	Fuel Vent - clear	CHECK
58	Pitot / Static Cover	REMOVE
59	Pitot / Stat Opening	CLEAR
60	Wing Tip	VIS INSP
61	Aileron Insp. Wndw.	VIS INSP
62	Fuel Level / Dipstick	CHECK
63	Fuel Filler Cap	CLOSE
64	Flap	CHECK
65	Wing Tiedown	DISCON

PREFLIGHT

1	Daily Inspection	COMPL
2	Tow Bar	REMOVE
3	Fuel Quant. Dipstk	2 x CHECK
4	Ignition, ALT1/BAT	CHECK OFF
5	Parking Brake	SET
6	Crank Engine	CHECK NOISE
7	Oil level / diff. 0,45L	CHECK
8	Coolant Level	CHECK
9	Tiedown Straps	REMOVE
10	Baggage Door	CLOSE/LOCK
11	Pitot Cover	REMOVE
12	Control Locks	REMOVE
13	Seating Positions	ADJUST/LOCK
14	Carburetor Heat	FREE - PUSH
15	Cabin Heat	FREE - PUSH
16	Choke free move	AUTO RESET
17	Throttle free move	IDLE
18	Prop free move	FULL FWD
19	Mass & Balance	IN LIMITS

BEF. ENGINE START

1	Preflight Check	COMPL
2	Passenger Briefing	COMPL
3	Seats	ADJUST
4	Seat Belts / Harn.	FASTEN
5	Canopy Closed	LOCK
6	Canopy Locked	CHECK
7	Parking Brake	SET
8	Controls Movement	CHECK



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ENGINE START		
1	Before Start Check	COMPL
2	Fuel Pump	ON
3	Fuel Warning Light	OFF
COLD	Throttle - when cold	IDLE
	Choke - when cold	PULL/HOLD
HOT	Throttle - when hot	1-2 cm OPEN
	Choke - when hot	PUSH
6	Brakes Both Pedals	PRESS
7	Prop Area	CLEAR
8	Ignition	START/BOTH
9	Oil Press < 10 sec	RISING
10	ALT1 Warning Light	OFF
11	ALT2 Warning Light	OFF
12	Fuel Pump	OFF
13	Fuel Warning Light	OFF

Cautions and additional Information”
e POH/AFM - (AKI 2023 V2.2)

BEFORE TAKEOFF

1	Transponder	CHECK
2	Brakes	APPLY
3	Parking Brake	SET
4	Compass/Gyro	CHECK/SET
5	Fuel Selector	FULLER TANK
6	Fuel Warnng Light	OFF 
7	Engine Instruments	IN GREEN
8	Throttle	1700 rpm
MAGNETOS	L - B - R - B	SWITCH
	Drop max. 120 rpm	CHECK
	Diff L/R max 50 rpm	CHECK
	Ignition Switch Both	CONFIRM
13	Carburetor pull (on)	DROP 20-50 rpm
14	Carburetor	PUSH (OFF)
GOVERNOR	Prop 3x Cycle Slowly	END STOPS
	→ Drop	200 ±50 rpm
	→ Oil Press	CONSTANT
	→ Manifold Press	CHANGE
19	Throttle	IDLE
20	Fuel Pump	ON
21	Flaps	T/O
22	Trim	WHITE MARK
23	All CBs	CHECK
24	Contr. Movement	FREE
25	Lap Belt	TIGHTEN
26	Canopy → closed	LOCK
27	Departure Briefing	COMPL
28	T/O Briefing	COMPL
29	Parking Brake	RELEASE

LINE UP / TAKEOFF

1	Before T/O Check	COMPL
2	Landing Light	AS REQ
3	Approach Sector	CLEAR
4	Runway Heading	CONFIRM
5	Throt/Prop/Carb	FULL FWD
6	RPM=2300-2385	CHECK
7	T/O Power Values	CORRECT
8	Elevator	NEUTRAL
9	Rudder	DIRECTION
10	Rotate (V_R)	50 KIAS
11	Climb Initially	57 KIAS
12	Short T/O (V_X)	52 KIAS

CLIMB

1	Throttle	FULL
2	Prop full forward	MAX 5 MIN
3	Prop 2260 rpm	REDUCE
4	Engine Instruments	IN GREEN
5	Climb Speed (V_Y)	65 KIAS
6	min. 400 ft AGL	CHECK Safe Spd
7	Flaps	UP
8	Trim	AS REQ
9	Landing Light	OFF
10	Fuel Pump	OFF
11	Fuel Warning Light	CHECK

CRUISE		
1	Throttle 	AS REQ
2	Prop	1650-2260 rpm
3	Flaps	CHECK UP
4	Trim	AS REQ
5	P/S Heat as req.	OAT>15°C OFF
6	Engine Instruments	IN GREEN
7	Manvr. Speed (V _A)	112 KIAS
8	Turbulent Air (V _{NO})	130 KIAS

 Full Throttle: → Prop min. 2140 rpm

DESCENT		
1	Throttle	AS REQ
2	Prop	MIN 2000 rpm
3	Carburetor Heat	AS REQ
RAPID DESCENT	Throttle	IDLE
	Prop	FULL FWD
	Carburetor Heat	PULL (ON)
	Flaps	UP
	Airspeed Max.	130 KIAS
	Engine Instruments	IN GREEN

LANDING		
1	Lap Belt	TIGHTEN
2	Fuel Pump	ON
3	Landing Light	AS REQ
4	Carburetor Heat	PULL (ON)
5	Throttle	AS REQ
6	Airspeed (V _{FE}) Max.	90 KIAS
7	Flaps	T/O OR LDG
8	Trim	AS REQ
9	Flaps 	LDG

10	Fin. Appr. Spd. 	60 KIAS
11	Prop	FULL FWD
GO AROUND	Throttle	FULL FWD
	Prop	FULL FWD
	Carburetor Heat	PUSH (OFF)
	Flaps	T/O
	Climb Airspeed	65 KIAS

 **CAUTION:** Strong cross/head winds may require less flaps/higher airspeeds

AFTER LANDING		
1	Throttle	AS REQ
2	Flaps	UP
3	P/S Heat	OFF
4	Carburetor Heat	PUSH (OFF)
5	Fuel Pump	OFF
6	Landing Light	OFF
7	XPDR GND Mode	CHECK

SHUT DOWN		
1	Throttle	IDLE
2	Parking Brake	SET
3	Flaps	LDG
4	ELT (121,5 MHz)	CHECK
5	Flight Plan	CLOSED
6	Avionic Master	OFF
7	Ignition	OFF
8	Electr. Equipment	OFF
9	Instrument Lights	OFF
10	Master - ALT1/BAT	OFF
11	Seats Pos. (L&R)	FULL AFT
12	Flight Logger	SLIDE CARD
13	Chocks/Tiedowns	AS REQ

Pressure altitude	Standard temperature		Engine performance in % of MCP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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MCP: maximum continuous power

RPM: revolutions per minute

MP: manifold pressure

FF: fuel flow

Correction for non ISA temperature conditions:

- For each 50°F (10°C) above ISA: increase Manifold Pressure by 3%,
Fuel consumption increases by 5%
- For each 50°F (10°C) below ISA: decrease Manifold Pressure by 3%,
Fuel consumption decreases by 5%

Airspeeds for Normal Operations**TAKEOFF**

Climb Flaps T/O	57 KIAS
V_X Flaps T/O	52 KIAS
V_Y Flaps UP	65 KIAS 

LANDING

Final APP Flaps LDG	60 KIAS
Balked Ldg Flaps LDG	60 KIAS
Max. demo X Wind	15 knots
V_{FE} max, Flaps LDG	90 KIAS

CRUISE

V_A Maneuvering	112 KIAS
V_{NO} Max turbul. Air	130 KIAS
V_{NE} Max Airspeed	165 KIAS

Airspeeds for Emergency Operations

V_A Maneuvering	112 KIAS
Best Glide Flaps UP	78 KIAS
Best Glide Flaps T/O	73 KIAS
Precaut. Flaps LDG	60 KIAS

No Engine Power

Flaps T/O	65 KIAS
Flaps UP	70 KIAS