



PILOTENCLUB WIEN
Wiener Luftfahrerverband

3fly.at

③

OE-AKW (AQUILA A 211G)

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OE-AKW

Aquila A211G / G500

MTOW = 750 kg / 1.653 lb

A/C-Size: W: 10,3 m H: 2,4 m L: 7,4 m

OPERATOR

MFU Flugbetriebs GmbH
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FUEL

Fuel EN228 SUPER
Fuel (alternative)* 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
Maximum DIFF = 0,45 L

TIRE

Front Tire 36 psi / 2,5 bar
Main Tires 36 psi / 2,5 bar

SPEED

V_{SO} (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

F P L (E X A M P L E)		
7	A/C ID	OE-AKW
8	Flight Rules	V
	Type of Flight	G
9	Type of A/C	A 211
	Wake Turbul. Cat.	L
	Equipment	S / S
13	Departure A/D	LOAV
	Departure Time	0830
15	Speed	N0110
	Flight Level	VFR
	Route	SOPRON
	Destination A/D	LHFM
16	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
19	Name PIC	NAME

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10	Carburetor Heat	PUSH (OFF)
11	Throttle	IDLE
12	Prop	FULL FWD
13	Avionic - Master	OFF
14	P/S Heat	OFF
15	All CB's	CHECK
16	Attitude Indicator	CAGE
17	Master - ALT1 / BAT	ON
18	G500 AHRS Warnings	CHECK
19	ALT1 / ALT2 Light	ILLUMIN
20	Fuel Warning Light	ILLUMIN
21	P/S HEAT Light	ILLUMIN
22	ACL	ON

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

BEFORE TAXI		
1	Warmup max 1000rpm	OIL MIN 50°C
2	Avionics	ON / SET
3	Engine Instruments	CHECK
4	Volt Meter in green	CHECK
5	Trim Sw. + Indicator	CHECK
6	Flap Sw. + Indicator	CHECK + UP
7	P/S Heat ON	LIGHT OFF
8	P/S Heat OFF	LIGHT ON
ALTERNATOR TEST	Throttle 1.000 rpm	SET
	NAV Lights	ON
	Landing Light	ON
	Instrument Lights	ON
	Ammeter Charge	CHECK
	Master - ALT1	OFF
	Ammeter Discharge	CHECK
	ALT2 CB	PULL (OFF)
	If Discharge increase	→ ALT2 OK
	If no Change	→ ALT2 U/S
If one ALT u/s	→ NO NVFR	
ALT2 CB	PUSH (ON)	
Master - ALT1	ON	
If Charge increase	→ ALT1 OK	
If no change	→ ALT1 U/S	
If one ALT u/s	→ NO NVFR	
All Switches	AS REQ	
26	Parking Brake	RELEASE
TAXI	Brakes	CHECK
	Steering	CHECK
	Flight Instruments	CHECK

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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	Cowling Fasteners	CHECK
48	Propeller / Spinner	CHECK

7. Nose Ldg Gear		
49	Wheel Fairng / Strut	CHECK
50	Gear Strut Mount	VIS INSP
51	Tire Pressure	CHECK
52	Tire / Wheel	VIS INSP
53	Shock Absorber	CHECK
54	Chocks / Tow Bar	REMOVE

8. Left Wing		
55	Wing Surfaces	VIS INSP
56	Fuel Vent - clear	CHECK
57	Pitot / Static Cover	REMOVE
58	Pitot / stat Opening	CLEAR
59	Wing Tip	VIS INSP
60	Aileron Insp. Wndw.	VIS INSP
61	Fuel Level / Dipstick	CHECK
62	Fuel Filler Cap	CLOSE
63	Flap	CHECK
64	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
9	Fuel Selector	FULLER TANK

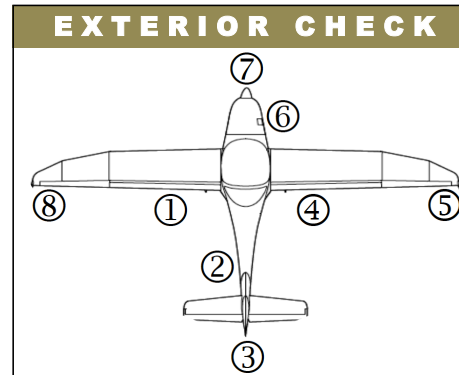
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DAILY INSPECTION		
1	Fuel Tank Sumps	2 x DRAIN
2	Electr. Fuel Pump	DRAIN

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



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

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

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

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 3 x to start / cruise 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 CB's	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	

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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 Initialy	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

Airspeeds for Normal Operations

TAKE OFF	
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 KIAS
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

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