

## Airspeeds for Normal Operations

### TAKEOFF

Climb Flaps T/O  
 V<sub>X</sub> Flaps T/O  
 V<sub>Y</sub> Flaps UP

57 KIAS  
 52 KIAS  
 65 KIAS <sup>IC3</sup>

### LANDING

Final APP Flaps LDG  
 Bailed Ldg Flaps LDG  
 Max. demo X Wind  
 V<sub>FE</sub> max, Flaps LDG

60 KIAS  
 60 KIAS  
 15 knots  
 90 KIAS

### CRUISE

V<sub>A</sub> Maneuvering  
 V<sub>NO</sub> Max turbul. Air  
 V<sub>NE</sub> Max Airspeed

112 KIAS  
 130 KIAS  
 165 KIAS

## Airspeeds for Emergency Operations

V<sub>A</sub> Maneuvering  
 Best Glide Flaps UP  
 Best Glide Flaps T/O  
 Precaut. Flaps LDG

112 KIAS  
 78 KIAS  
 73 KIAS  
 60 KIAS

### No Engine Power

Flaps T/O  
 Flaps UP

65 KIAS  
 70 KIAS



# OE-AKW

## AQUILA A211G

MTOM = 750 kg / 1.653 lb

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

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**FUEL**  
 Fuel <sup>IC3</sup> 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**  
 Rotax XPS SAE 5W50 <sup>IC3</sup>  
 Minimum DIFF = 0.45 L  
 Maximum

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

**SPEED**  
 V<sub>S0</sub> (Stall- Flaps max) 39 KIAS  
 V<sub>G</sub> (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  
 Return to this A/D  
 Proceed to Apron - Wait for Clearance  
 Do not Land

| FPL (EXAMPLE) |                           |
|---------------|---------------------------|
| 7             | A/C ID OE-AKW             |
| 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             |

<sup>IC3</sup> Consult POH/AFM for "Warnings, Cautions and additional information"

This document does not replace POH/AFM - (AKW 2026 V2.6)

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**DAILY INSPECTION**

|                     |          |
|---------------------|----------|
| 1 Fuel Tank Sumps   | 2x DRAIN |
| 2 Electr. Fuel Pump | DRAIN    |

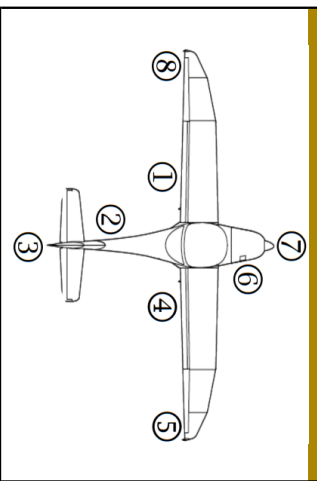
**CABIN CHECK**

|                        |        |
|------------------------|--------|
| 3 A/C Documents        | CHECK  |
| 4 Ignition Key         | REMOVE |
| 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    |

**BATTERY**

|                    |           |
|--------------------|-----------|
| 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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| Pressure altitude | Standard temperature |      | Engine performance in % of MCP |         |         |       |         |         |         |       |         |         |         |       |         |         |         |       |         |         |         |       |         |
|-------------------|----------------------|------|--------------------------------|---------|---------|-------|---------|---------|---------|-------|---------|---------|---------|-------|---------|---------|---------|-------|---------|---------|---------|-------|---------|
|                   |                      |      | 55%                            |         |         |       | 65%     |         |         |       | 75%     |         |         |       | 85%     |         |         |       | MCP     |         |         |       |         |
|                   |                      |      | H                              | T       | T       | RPM   | MP      | FF      | FF      | RPM   | MP      | FF      | FF      | RPM   | MP      | FF      | FF      | RPM   | MP      | FF      | FF      |       |         |
|                   | [ft]                 | [°C] | [°F]                           | [U/min] | [in Hg] | [l/h] | [gal/h] | [U/min] | [in Hg] | [l/h] | [gal/h] | [U/min] | [in Hg] | [l/h] | [gal/h] | [U/min] | [in Hg] | [l/h] | [gal/h] | [U/min] | [in Hg] | [l/h] | [gal/h] |
| 0                 | 15                   | 59   | 1900                           | 24.6    | 14.0    | 3.7   | 2000    | 25.7    | 15.6    | 4.12  | 2100    | 27.0    | 21.0    | 5.55  | 2260    | 27.7    | 24.0    | 6.34  | 2260    | 28.0    | 26.0    | 6.87  |         |
| 2000              | 11                   | 52   | 1900                           | 24.0    | 15.0    | 4.0   | 2000    | 24.7    | 16.0    | 4.23  | 2200    | 25.7    | 21.3    | 5.63  | 2260    | 26.7    | 22.0    | 5.81  | 2260    | 27.0    | 26.0    | 6.87  |         |
| 3000              | 9                    | 48   | 1900                           | 23.7    | 15.5    | 4.1   | 2050    | 24      | 16.4    | 4.33  | 2230    | 25.0    | 21.4    | 5.65  | 2260    | 26      | 22.0    | 5.81  |         |         |         |       |         |
| 4000              | 7                    | 44   | 1900                           | 23.3    | 16.0    | 4.2   | 2100    | 23.3    | 16.8    | 4.44  | 2260    | 24.3    | 21.5    | 5.68  | 2260    | 25.2    | 22.0    | 5.81  |         |         |         |       |         |
| 5000              | 5                    | 41   | 1950                           | 22.7    | 16.5    | 4.4   | 2150    | 23      | 18.1    | 4.77  | 2260    | 23.8    | 21.9    | 5.79  |         |         |         |       |         |         |         |       |         |
| 6000              | 3                    | 37   | 2000                           | 22.0    | 17.0    | 4.7   | 2200    | 22.7    | 19.3    | 5.1   | 2260    | 23.3    | 22.3    | 5.89  |         |         |         |       |         |         |         |       |         |
| 8000              | -1                   | 30   | 2100                           | 21.0    | 18.0    | 4.8   | 2200    | 21.5    | 21.5    | 5.68  | 2260    | 21.5    | 23.0    | 6.08  |         |         |         |       |         |         |         |       |         |
| 10,000            | -5                   | 23   | 2200                           | 19.7    | 19.0    | 5.0   | 2260    | 20.1    | 22.0    | 5.81  |         |         |         |       |         |         |         |       |         |         |         |       |         |
| 12,000            | -9                   | 16   | 2260                           | 18.5    | 19.0    | 5.0   |         |         |         |       |         |         |         |       |         |         |         |       |         |         |         |       |         |

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%

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| 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 <sub>A</sub> )   | <b>112 KIAS</b> |
| 8 Turbulent Air (V <sub>No</sub> ) | <b>130 KIAS</b> |

Full Throttle: → Prop min. 2140 rpm

| DESCENT            |                 |
|--------------------|-----------------|
| 1 Throttle         | AS REQ          |
| 2 Prop             | MIN 2000 rpm    |
| 3 Carburetor Heat  | AS REQ          |
| Throttle           | IDLE            |
| Prop               | FULL FWD        |
| Carburetor Heat    | PULL (ON)       |
| Flaps              | UP              |
| Airspeed Max.      | <b>130 KIAS</b> |
| 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 <sub>FE</sub> ) Max. | <b>90 KIAS</b> |
| 7 Flaps                            | T/O OR LDG     |
| 8 Trim                             | AS REQ         |
| 9 Flaps                            | LDG            |

| 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 Fairing/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       |
| 9 Fuel Selector      | FULLER TANK |

|    |                    |            |
|----|--------------------|------------|
| 10 | Carburetor Heat    | PUSH (OFF) |
| 11 | Throttle           | IDLE       |
| 12 | Prop               | FULL FWD   |
| 13 | Avionic - Master   | OFF        |
| 14 | P/S Heat           | OFF        |
| 15 | All CBS            | 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         |
| 4            | Throttle - when cold | IDLE        |
| 5            | Choke - when cold    | PULL/HOLD   |
| 6            | Throttle - when hot  | 1-2 cm OPEN |
| 7            | Choke - when hot     | PUSH        |
| 8            | Brakes Both Pedals   | PRESS       |
| 9            | Prop Area            | CLEAR       |
| 10           | Ignition             | START/BOTH  |
| 11           | Oil Press < 10 sec   | RISING      |
| 12           | ALT1 Warning Light   | OFF         |
| 13           | ALT2 Warning Light   | OFF         |
| 14           | Fuel Pump            | OFF         |
| 15           | Fuel Warning Light   | OFF         |

| BEFORE TAXI |                                |              |
|-------------|--------------------------------|--------------|
| 1           | Warmup max 1000 <sub>rpm</sub> | 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     |
| 9           | Throttle 1000 rpm              | SET          |
| 10          | NAV Lights                     | ON           |
| 11          | Landing Light                  | ON           |
| 12          | Instrument Lights              | ON           |
| 13          | Ammeter Charge                 | CHECK        |
| 14          | Master - ALT1                  | OFF          |
| 15          | Ammeter Discharge              | CHECK        |
| 16          | ALT2 CB                        | PULL (OFF)   |
| 17          | If Discharge increase          | → ALT2 OK    |
| 18          | If no Change                   | → ALT2 U/S   |
| 19          | If one ALT u/s                 | → NO NVFR    |
| 20          | ALT2 CB                        | PUSH (ON)    |
| 21          | Master - ALT1                  | ON           |
| 22          | If Charge increase             | → ALT1 OK    |
| 23          | If no change                   | → ALT1 U/S   |
| 24          | If one ALT u/s                 | → NO NVFR    |
| 25          | All Switches                   | AS REQ       |
| 26          | Parking Brake                  | RELEASE      |
| 27          | Brakes                         | CHECK        |
| 28          | Steering                       | CHECK        |
| 29          | Flight Instruments             | CHECK        |

| BEFORE TAKEOFF |                      |                |
|----------------|----------------------|----------------|
| 1              | Transponder          | CHECK          |
| 2              | Brakes               | APPLY          |
| 3              | Parking Brake        | SET            |
| 4              | Compass/Gyro         | CHECK/SET      |
| 5              | Fuel Selector        | FULLER TANK    |
| 6              | Fuel Waring Light    | OFF            |
| 7              | Engine Instruments   | IN GREEN       |
| 8              | Throttle             | 1700 rpm       |
| 9              | L - B - R - B        | SWITCH         |
| 10             | Drop max. 120 rpm    | CHECK          |
| 11             | Diff L/R max 50 rpm  | CHECK          |
| 12             | Ignition Switch Both | CONFIRM        |
| 13             | Carburetor pull (on) | DROP 20-50 rpm |
| 14             | Carburetor           | PUSH (OFF)     |
| 15             | Prop 3x Cycle Slowly | END STOPS      |
| 16             | → Drop               | 200 ±50 rpm    |
| 17             | → Oil Press          | CONSTANT       |
| 18             | → 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 <sub>R</sub> )    | <b>50 KIAS</b> |
| 11                | Climb Initially             | <b>57 KIAS</b> |
| 12                | Short T/O (V <sub>X</sub> ) | <b>52 KIAS</b> |

| 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 <sub>y</sub> ) | <b>65 KIAS</b> |
| 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          |