

# AQUILA

Technische Beschreibung AQUILA A211 (Standardausstattung)

Technical Description AQUILA A211 (Basic Equipment)



## Certifications

<b>Aircraft Certification Category</b>
Very Light Aircraft / VLA
<b>Kinds of Operation</b>
Day VFR
Night VFR (with appropriate equipment)

## Miracle of Space

<b>Airframe</b>			
Glas-fiber and carbon-fiber reinforced plastics (GRP-CRP)			
<b>Approx. Dimensions</b>			
Length	24.28 ft	Baggage compartment volume	17.70 ft <sup>3</sup>
Height	7.87 ft	Inner cabin height	3.94 ft
Wing span	33.79 ft	Inner cabin width	3.77 ft
Wing area	113.00 ft <sup>2</sup>	Fuselage width	3.94 ft

## Power

<b>Engine (Bombardier Rotax 912S)</b>	
Power	73.50 kW
Number of cylinders / engine size	4 / 82.60 cu. In.
TBO	2,000 h / 15 years
Fuel grade	EN228 Super / Super Plus, AVGAS 100 LL, AVGAS UL91
<b>Propeller</b>	
2-Blade, hydraulic constant speed propeller	mt-propeller MTV-21-A / 170-05
TBO	2,000 h / 6 years
<b>Landing Gear</b>	
5" tires on all wheels	
Nose wheel steering via rudder pedals	
Single hydraulic wheel brakes (main landing gear)	
Parking brake	

## Parameter

<b>Weights and Capacity</b>	
Empty weight (approx.)	from 1,102 -1,146 lbs
MTOW/Max. Takeoff weight	1,653 lbs
MLW/Max. Landing weight	1,653 lbs
Max. useable load (approx.)	551 lbs
Max. load of baggage compartment	88.2 lbs
Number of seats	2
Fuel capacity	31.70 US GAL
Usable fuel	28.90 US GAL
<b>Flight Performance/Speeds</b>	
$V_{NE}$ , Never exceed speed	165 kts
$V_{NO}$ , Max. structural cruising speed	130 kts
Max. range (5,000 ft at 55 % power)	620 NM
Climb performance with MTOW at MSL (ISA)	700 ft/min
Service ceiling at MTOW (ISA)	14,500 ft

<b>Take-off and Landing Distances at MTOW (ISA)</b>	
Take-off ground roll distance	820 ft
Take-off distance over 50 ft obstacle	1,411 ft
Landing ground roll distance	689 ft
Landing distance over 50 ft obstacle	1,640 ft

## Instruments

<b>Standard Avionics</b>	
AQUILA A211:	Analog flight and engine instruments or ASPEN
AQUILA A211G:	Garmin G500 glass cockpit and analog engine instruments
AQUILA A211GX:	Garmin G500 glass cockpit, Engine Monitoring System MVP 50P, incl. Annunciator Panel

<b>Choice of avionics</b>
Garmin GTN 650
Garmin GNS 430W
Garmin GMA 340 or 350
Garmin GTX 328 or 330
Garmin GTR 225A
Garmin GNC 255A
TRIGG TT22
<b>Standard Systems</b>
12 V-DC electrical power system
Maintenance free 12 V lead-acid battery, 26 Ah
Electrical trim with LED-indicator
Electrical adjustable flaps (3 positions)
Beringer wheels and brakes
Nose wheel steering via rudder pedals
Parking brake
Landing light in center of cowling

## Included

<b>Standard Equipment</b>
406 MHz and 121.50 MHz ELT with aerial and remote control panel
Safety equipment: fire extinguisher, emergency hammer, first aid kit
Tow bar, separable, space-saving
Pitot cover
Fuel dipstick, mounted inside of baggage door
Tie-down fittings, removable
<b>Standard Exterior Features</b>
Outside finish in white polyurethane paint (PUR)
Baggage door, lockable
Rear cabin window
Forward opening canopy, transparent, supported by gas spring, lockable
Aveo LED Nav-lights and Strobe lights on wing tips
Registration number on fuselage and underside of left wing
Pitot-unheated

## Standard Cabin Features

Inside polyurethane coating (PUR) in dark grey

Suede cabin carpet (grey)

Suede cabin interior and seats (grey)

Padded armrests

Hydraulic adjustable sliding seats with integrated headrests

Automatic 4-point seat belts (grey)

Two adjustable fresh air vents

Cabin heating system, warm air outlets placed in legroom and windshield defrosting

Cabin light, removable, adjustable and dimmable

Headset holders

Sliding windows on both sides of canopy

# Innenausstattung / Farbauswahl

## Interior Design / Color Selection

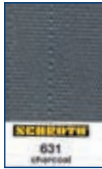
### Standard Design (ohne Aufpreis / free of charge)

Teppich / Carpet



Color: grey

Gurte / Seat belts



631 charcoal

Sitze, Armlehnen, Seitenverkleidung: VELOUR /

Seats, armrests & side claddings: VELOUR



470 grey

### Individual Design (mit Aufpreis / extra charge)

Sitze, Armlehnen, Seitenverkleidung: VELOUR / Seats, armrests & side claddings: VELOUR



096 red



410 light blue



912 dark blue



811 brown



6799 grey/brown

## Individual Design (mit Aufpreis / extra charge)

Sitze, Armlehnen, Seitenverkleidung: LEDER / Seats, armrests & side claddings: LEATHER



39178  
Grenada



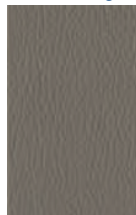
59120  
Santorin



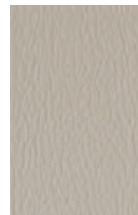
59138  
Corsica



89112  
Cuba



79134  
Naxos



79162  
Cayman

Gurte / Seat belts



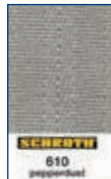
694  
dark red



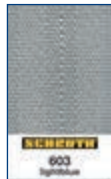
691  
azure



606  
blue



610  
pepperdust

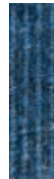


603  
light blue

Teppich / Carpet, Tretford



570  
red



575  
blue

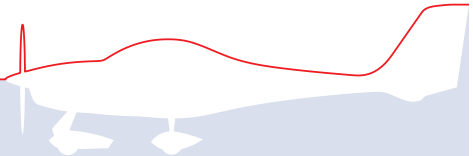


520  
grey



534  
black

FÜR MEHR INFORMATIONEN ...  
FOR MORE INFORMATION ...



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A211 • A211G • A211GX