

INTRODUCTION

With the AQUILA AT01 you have acquired a very efficient training and utility aircraft, which is easy to operate and exhibits excellent handling qualities.

To ensure reliable operation and trouble free flight, we recommend that you read this Pilot's Operating Handbook thoroughly and adhere to the operating instructions and recommendations given herein.

CAUTION

All limitations, procedures and performance data contained in this handbook are EASA approved and mandatory. Failing to follow the procedures and limits set forth in this handbook can lead to a loss of liability by the manufacturer.

THE HANDBOOK

The handbook is presented in loose-leaf form to ease the substitution of revisions and is sized in A5-format for convenient storage in the aircraft.

Tab dividers throughout the handbook allow quick reference to each section. A Table of Contents is located at the beginning of each section to aid the location of specific data within that section.

All rights reserved.

Reproduction or disclosure to third parties of this document or any part thereof is not permitted, except with the prior and express written permission of AQUILA Aviation International GmbH.

Copyright © by

 AQUILA Aviation International GmbH
Schönhagen, Germany

<i>Document Nr.:</i>	<i>Issue:</i>	<i>Supersedes Issue:</i>	<i>Date:</i>	<i>Page:</i>
FM-AT01-1010-106	A.03	A.02 (03.03.2021)	21.12.2021	0 – 1

TABLE OF CONTENTS

	SECTION
GENERAL	1
OPERATING LIMITATIONS (approved section)	2
EMERGENCY PROCEDURES (approved section)	3
NORMAL PROCEDURES (approved section)	4
PERFORMANCE (partly approved section)	5
WEIGHT AND BALANCE	6
AIRCRAFT DESCRIPTION	7
HANDLING AND MAINTENANCE	8
SUPPLEMENTS	9

<i>Document Nr.:</i>	<i>Issue:</i>	<i>Supersedes Issue:</i>	<i>Date:</i>	<i>Page:</i>
FM-AT01-1010-106	A.03	A.02 (03.03.2021)	21.12.2021	0 – 2

LIST OF EFFECTIVE PAGES**Note:**

If the applicable POH supplement for Night VFR operation is implemented, the list of resulting effective chapters can be found in chapter 9.

Section	Issue	Approved	Page	Date
0	A.03		0-1 to 0-6	21.12.2021
1	A.02		1-1 to 1-12	03.03.2021
2	A.02	X	2-1 to 2-10	03.03.2021
3	A.01	X	3-1 to 3-24	02.03.2020
4	A.02	X	4-1 to 4-20	03.03.2021
5	A.01	(X)*	5-1 to 5-24	02.03.2020
6	A.01		6-1 to 6-14	02.03.2020
7	A.01		7-1 to 7-26	02.03.2020
8	A.01		8-1 to 8-6	02.03.2020
9	A.03		9-1 to 9-2	21.12.2021

* - partly approved

<i>Document Nr.:</i>	<i>Issue:</i>	<i>Supersedes Issue:</i>	<i>Date:</i>	<i>Page:</i>
FM-AT01-1010-106	A.03	A.02 (03.03.2021)	21.12.2021	0 – 3

LIST OF REVISIONS

All revisions to the handbook, with the exception of individual weight and balance data and revisions to the Equipment List, must be recorded in the List of Revisions. Revisions must either be approved by the EASA or, in the case of changes, in accordance with Part 21.A.263(c)(2) by the Design Organization of AQUILA Aviation International GmbH.

Additions and revisions to text in an existing section will be identified by a vertical black line adjacent to the applicable revised area. A new issue code appears in the footer of the revised pages.

If revisions are distributed, the applicable sections are to be exchanged with the updated version. Generally only complete sections of the POH will be exchanged and not individual pages.

The operation of the AQUILA AT01 is only permitted with a current and up to date POH carried on board. Please refer to the following web page whenever the revision status of your POH is in question.

www.aquila-aviation.de

Issue	Description of Revision	Revised Section(s)	EASA Approval-number	Approval Date
A.01	First Issue	All	10072382	02.03.2020
A.02	Editorial changes, AS-27 "(restricted) GFC500"	0, 1, 2, 4, 9	10076303	03.03.2021
A.03	AST-02 „Increase of permissible Gross Weight to 800kg“	0, 9	10078033	21.12.2021

Document Nr.:	Issue:	Supersedes Issue:	Date:	Page:
FM-AT01-1010-106	A.03	A.02 (03.03.2021)	21.12.2021	0 – 4

The technical content of this document is approved under the authority of the DOA ref.
EASA.21J.025.

21.12.2021 
Date, Signature Office of Airworthiness

<i>Document Nr.:</i>	<i>Issue:</i>	<i>Supersedes Issue:</i>	<i>Date:</i>	<i>Page:</i>
FM-AT01-1010-106	A.03	A.02 (03.03.2021)	21.12.2021	0 – 5

Reporting of safety / airworthiness relevant occurrences:

Tel: ++49 –(0)33731-707-0
Fax: ++49 –(0)33731-707-11
E-Mail: occurrence@aquila-aviation.de

AVAILABILITY OF TECHNICAL PUBLICATIONS

To guarantee safe operation and correct maintenance of the AQUILA AT01-200 aircraft, all manuals and technical publications must be kept in the current effective status.

All manuals and technical publications are available from the companies listed below:

(a) AQUILA AT01-200 related Manuals and Publications

AQUILA Aviation International GmbH
OT Schönhagen, Flugplatz
D-14959 Trebbin

Tel: ++49 (0)33731-707-0
Fax: ++49 (0)33731-707-11
E-Mail: kontakt@aquila-aviation.de
Internet: <http://www.aquila-aviation.de>

(b) Engine ROTAX 914 F related Manuals and Publications

Contact the ROTAX® authorized distributor for ROTAX® Aircraft Engines of the applicable distribution area.

For contact details of the local authorized distributor for ROTAX Aircraft Engines, please refer to chapter 9 of the ROTAX® Operator's Manual for 914 Engines.

(c) Propeller MTV-21 related Manuals and Publications

mt-Propeller Entwicklung GmbH
Flugplatz Straubing-Wallmühle
D-94348 Atting

Tel: ++49 – (0)9429-9409-0
Fax: ++49 – (0)9429-8432
Internet: www.mt-propeller.com
E-Mail: sales@mt-propeller.com

Document Nr.:	Issue:	Supersedes Issue:	Date:	Page:
FM-AT01-1010-106	A.03	A.02 (03.03.2021)	21.12.2021	0 – 6

SECTION 9

SUPPLEMENTS

		Page
9.1	INTRODUCTION	9-1
9.2	INDEX OF SUPPLEMENTS	9-2

9.1 INTRODUCTION

In this section, all equipment that is optionally installed in your aircraft is described by the POH-Supplements. Each supplement describes a complete modification or a piece of installed equipment. Only the supplements that apply to the configuration of your aircraft must be contained in this section.

Section 9.2 “Index of Supplements” lists all existing approved supplements for the AQUILA AT01. This table may be also used as a directory for this section, adapted to your aircraft. If modifications requiring an STC have been conducted on your aircraft at a Maintenance Organization other than AQUILA Aviation, it is the owner’s responsibility to ensure that the appropriate supplements are included in this manual and properly recorded in the index of supplements in section 9.2.

<i>Document Nr.:</i>	<i>Issue:</i>	<i>Supersedes Issue:</i>	<i>Date:</i>	<i>Page:</i>
FM-AT01-1010-106	A.03	A.02 (03.03.2021)	21.12.2021	9 – 1

9.2 INDEX OF SUPPLEMENTS**Registration:****S/N: AT01- 200C -**

Supplement No.	Title	Installed
AST-00	Winter Operation	variable
AST-01	Night VFR (AT01-200C)	
AST-02	Increase of permissible Gross Weight to 800kg	
AS-09*	Garmin GTN 650(Xi)	
AS-10	Garmin GMA 350(c)	
AS-11	ELT – Kannad 406	
AS-14	Trig TT22	
AS-17	Garmin GTR 225/225A/225B	
AS-18	Garmin GNC 255A/255B	
AS-19	Garmin GMA 340	
AS-21	Garmin GTX 335 / 345	
AS-22	Garmin G5 Stby AI	
AS-24	Traffic Sensor AT-1	
AS-27	Autopilot (restricted) Garmin GFC500 (AT01-200C)	

NOTE

For the devices listed above and marked with an * software updates will be released on our website (www.aquila-aviation.de) via dedicated Service Information (SI).

Document Nr.:	Issue:	Supersedes Issue:	Date:	Page:
FM-AT01-1010-106	A.03	A.02 (03.03.2021)	21.12.2021	9 – 2