Diamond AIRCRAFT

SUPPLEMENT NO. 11

TO THE AIRPLANE FLIGHT MANUAL FOR THE POWERED SAILPLANE HK 36 TTC

ADDITIONAL PERFORMANCE DATA

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This powered sailplane must be operated in compliance with the information and limitations contained herein.

Prior to operating the powered sailplane, the pilot must take notice of all the information contained in this Airplane Flight Manual.

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0.1 RECORD OF REVISIONS

Rev No.	Sec.	Pages	Date of Revision	Approval	Date of Approval	Date Inserted	Signature

0.2 LIST OF EFFECTIVE PAGES

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0.3 TABLE OF CONTENTS

SECTION 1
GENERAL

1.1 INTRODUCTION

Pages 9-11-0 through 9-11-9 constitute Supplement No. 11 to the Airplane Flight Manual for the powered sailplane HK 36 TTC.
This Supplement provides additional performance data as required by national authorities.

SECTION 2
LIMITATIONS

2.1 GENERAL

Section 2 remains unchanged.

SECTION 3
EMERGENCY PROCEDURES

3.1 GENERAL

Section 3 remains unchanged.

SECTION 4
NORMAL PROCEDURES

4.1 GENERAL

Section 4 remains unchanged.

SECTION 5
PERFORMANCE

5.3 ADDITIONAL INFORMATION

5.2.8 LANDING PERFORMANCE

WARNING

The given data does not include any safety reserves. For a safe landing, the available length of the runway must at least be equal to the landing distance over a 15 m (50 ft.) obstacle (l_2).

Under unfavorable conditions such as rain, tailwind, wind shear, sloped field, wet grass, a bad maintenance condition of the airplane or deviation from the given procedures, the landing distance can become considerably extended.

Under very unfavorable conditions, a safe landing can become impossible.

The given data were determined under the following conditions:

- Maximum take-off mass (weight)
- Power: . . . . . Idle
- Propeller setting . . . . . TAKE-OFF
- Approach speed . . . . . appr. 105 km/h (57 kts. / 65 mph)
- Level, paved runway
- Brake flaps . . . . . fully extended

The landing performance at MSL under ISA conditions is:
195m (640 ft.) landing roll and
395m (1296 ft.) landing distance over a 15 m (50 ft.) obstacle.

The landing distances are contained in the following tables:

l_1 = Landing roll

l_2 = Landing distance over a 15 m (50 ft.) obstacle

OAT [°C]	Pressure altitude above MSL [m] / QFE [hPa]							
	0 / 1013		400 / 966		800 / 921		1200 / 877	
	s_1 [m]	s_2 [m]	s_1 [m]	s_2 [m]	s_1 [m]	s_2 [m]	s_1 [m]	s_2 [m]
0	185	375	194	393	203	411	213	432
15	195	395	205	414	214	434	225	456
30	205	415	216	435	225	457	237	489

OAT [°F]	Pressure altitude above MSL [ft.] / QFE [inHg]							
	0 / 29.9		1310 / 28.5		2620 / 27.2		3940 / 25.9	
	s_1 [ft.]	s_2 [ft.]	s_1 [ft.]	s_2 [ft.]	s_1 [ft.]	s_2 [ft.]	s_1 [ft.]	s_2 [ft.]
32	607	1230	636	1289	666	1348	699	1417
59	640	1296	673	1358	702	1424	738	1496
86	673	1362	709	1427	738	1499	778	1604

SECTION 6
MASS (WEIGHT) AND BALANCE / EQUIPMENT LIST

6.1 GENERAL

Section 6 remains unchanged.

SECTION 7
POWERED SAILPLANE AND SYSTEMS DESCRIPTION

7.1 GENERAL

Section 7 remains unchanged.

SECTION 8

POWERED SAILPLANE HANDLING, CARE AND MAINTENANCE

8.1 GENERAL

Section 8 remains unchanged.