

APPROACH CHECK

1	Altimeter.....	SET QNH.....	1
3	Electric fuel pump.....	ON.....	3
4	Fuel quantity.....	CHECKED ENDURANCE.....	4
5	Carburetor heat.....	SET AS REQUIRED.....	5

APPROACH CHECK COMPLETED

FINAL CHECK

1	Propeller.....	MAX. RPM.....	1
2	Carburetor heat.....	OFF.....	2

FINAL CHECK COMPLETED

AFTER LANDING CHECK

1	Transponder.....	GND / SBY.....	1
2	Landing lights.....	OFF or AS REQUIRED.....	2
3	ACL.....	OFF.....	3
4	Time.....	NOTED.....	4
5	Airbrake.....	IN & LOCKED.....	5
6	Electric fuel pump.....	OFF.....	6

AFTER LANDING CHECK COMPLETED

ENGINE SHUT DOWN AND PARKING

1	Parking brake.....	SET.....	1
2	Throttle.....	SET 1100 RPM (FOR 1 MINUTE).....	2
3	121.5.....	CHECKED.....	3
4	Avionics.....	OFF.....	4
5	Throttle.....	IDLE.....	5
6	Ignition key.....	OFF.....	6
7	Operating switch.....	«SEGELFLUG».....	7
8	Battery master.....	OFF.....	8
9	Flight data & documents.....	NOTE AND COMPLETE.....	9
10	Parking brake.....	SET / AS REQUIRED.....	10

PARKING CHECK COMPLETED

SPEEDS

V_x	95 Km/h	V_{FE} (max. Airbrake speed)	150 Km/h
V_y	105 Km/h	V_{initial approach} (24'2100 RPM)	140 Km/h
V_A (Manoeuvring speed)	155 - 176 Km/h	V_{final} (14')	105 Km/h
V_{best gliding angle}	105 Km/h	Crosswind component max.	30 Km/h

AIRCRAFT PREPARATION

COMPLETED (ACCORDING AFM)

PREFLIGHT CHECK

1	Outside check.....	COMPLETED.....	1
2	Aircraft papers.....	CHECKED.....	2
3	Aircraft log.....	CHECKED.....	3
4	Tow bar.....	SECURED.....	4
5	Cabine / Baggage.....	CHECKED.....	5
6	ELT.....	AUTO / ARMED.....	6
7	Loadsheet.....	CHECKED.....	7

PREFLIGHT CHECK COMPLETED

CHECK BEFORE ENGINE START

1	Canopy.....	CLOSED & SEC.....	1
2	Rudder pedals.....	ADJUSTED.....	2
3	Parking brake.....	ON.....	3
4	Seat belts & shoulder harness.....	FASTENED, ADJUSTED.....	4
5	Electrical consumers.....	OFF.....	5
6	Circuit breakers.....	ALL IN, CHECKED.....	6
7	Avionics.....	OFF.....	7
8	Battery master.....	ON.....	8
9	Mode Select Switch..... ***	«MOTORFLUG».....	9
10	Fuel quantity.....	ENDURANCE.....	10
11	Fuel shut-off valve.....	OPEN.....	11
12	Carburetor heat.....	OFF.....	12
13	Cowl flap.....	OPEN.....	13
14	Propeller.....	«START» POSITION.....	14
15	Airbrakes.....	IN & LOCKED.....	15

CHECK BEFORE ENGINE START COMPLETED

STARTING ENGINE

1	Electric fuel pump.....	ON.....	1
2	Chocke (cold engine).....	ON.....	2
3	Throttle..... - cold engine (Oil < 50°C).....	IDLE.....	3
	- hot engine (Oil > 50°C).....	~ 1 cm.....	
4	Propeller area.....	CLEAR.....	4
5	Ignition key.....	START.....	5
6	Engine running.....	SET 1100 RPM.....	6
7	Oil pressure (10 sec.).....	GREEN ARC.....	7

STARTING ENGINE COMPLETED

CHECK AFTER ENGINE START

1 Generator (Alternator) output.....	CHECKED.....	1
2 Electric fuel pump.....	OFF, PRESSURE CHECKED.....	2
3 Avionics.....	ON.....	3
4 Flight instruments.....	CHECK AND SET.....	4
5 Engine instruments.....	CHECKED.....	5
6 Avionics COM, NAV, SSR.....	SET AND PRESELECT.....	6

CHECK AFTER ENGINE START COMPLETED

TAXI CHECK

1 Brakes and steering.....	CHECKED.....	1
2 Gyro instruments.....	CHECKED.....	2

TAXI CHECK COMPLETED

RUN-UP

1 Parking brake.....	SET.....	1
2 Oil temperature.....	CHECKED.....	2
3 Choche.....	OFF.....	3
4 Zone behind aircraft.....	CLEAR.....	4
5 Throttle.....	SET 1700 RPM.....	5
6 Oil pressure.....	GREEN ARC.....	6
7 Magnetos...(L-B-R-L-B).....	CHECKED (MAX. -150 / =50 RPM).....	7
8 Carburetor heat.....	CHECK FUNCTION.....	8
9 Throttle.....	SET 2000 RPM.....	9
10 Propeller.....	CHECK FUNCTION (3x to tab ~1800 RPM).....	10
11 Throttle idle.....	CHECKED (700 – 900 RPM).....	11
12 Throttle.....	SET 1100 RPM.....	12

RUN-UP COMPLETED

CHECK BEFORE DEPARTURE

1 Electric fuel pump.....	ON.....	1
2 Fuel quantity.....	ENDURANCE ?.....	2
3 Fuel shut-off Valve.....	OPEN.....	3
4 Propeller.....	MAX. RPM.....	4
5 Carburetor heat.....	OFF.....	5
6 Magnetos.....	BOTH.....	6
7 Annunciator light.....	OFF.....	7
8 Trim.....	SET FOR DEPARTURE.....	8
9 Airbrake.....	IN & LOCKED.....	9
10 Controls.....	FREE AND CORRECT.....	10
11 Flight instruments & avionics.....	SET FOR DEPARTURE.....	11
12 Take off briefing.....	COMPLETED.....	12

CHECK BEFORE DEPARTURE COMPLETED

LINE UP CHECK

1 Canopy & windows.....	CLOSED.....	1
2 ACL.....	ON.....	2
3 Landing light.....	ON (AS REQUIRED).....	3
4 Airbrake.....	IN & LOCKED.....	4
5 Time.....	NOTED.....	5
6 Approach sector & runway.....	CHECK, CLEAR.....	6

LINE UP CHECK COMPLETED

CLIMB CHECK

1 Climb power.....	FULL THROTTLE / 2400 RPM.....	1
2 Electric fuel pump.....	OFF (CHECK PRESSURE).....	2

CLIMB CHECK COMPLETED

CRUISE CHECK (Motorflug)

1 Altimeter.....	SET (STD – QNH).....	1
2 Gyro.....	CHECKED / SET.....	2
3 Cruise power.....	SET (ACCORDING AFM).....	3
4 Fuel quantity.....	CHECKED ENDURANCE.....	4

CRUISE CHECK COMPLETED

GLIDING (Segelflug)

1 Throttle.....	IDLE (FOR 1 MINUTE).....	1
2 Electrical consumers.....	OFF.....	2
3 Airspeed.....	~ 100 km/h.....	3
4 Ignition.....	OFF.....	4
5 Propeller.....	FEATHER (IMMEDIATELY).....	5
6 Mode Select Switch.....	«SEGELFLUG».....	6
7 Cowl flap.....	CLOSED.....	7
8 COMMUNICATION.....	ON (GPS - OFF!).....	8

ENGINE START - IN FLIGHT

1 Airspeed.....	> 110 km/h.....	1
2 Electrical consumers.....	OFF.....	2
3 Cowl flap.....	OPEN.....	3
4 Go to Pos 9 - 15 CHECK BEFORE ENGINE START	***	4
5 STARTING ENGINE & CHECK AFTER ENGINE START	5

DESCENT CHECK

1 ATIS.....	NOTED.....	1
2 Approach briefing.....	COMPLETED.....	2
3 Avionics.....	SET & CHECKED.....	3
4 Gyro.....	CHECKED / SET.....	4
5 Cabin and Pax.....	SECURED.....	5

DESCENT CHECK COMPLETED

DIAMOND «SUPER DIMONA» HB-2373**Technische Angaben Leistungen**

Motor	Rotax 912A3 4 Zylinder Vergasermotor Flüssigkeitsgekühlte Zylinderköpfe Luftgekühlte Zylinder Höchstleistung 59.6 KW / 81 PS bei 2550 RPM Dauerleistung 58.0 KW / 79 PS bei 2420 RPM		
Betriebsstoffe	Benzin	MOGAS / AVGAS 100LL	79 Liter
		Max. ausfliegbar	77 Liter
	Oel	min. 2l. max 3l (kein Flugmotoren-Oel !)	
Propeller	Mühlbauer Constant Speed Propeller (Hydraulisch)		
Abmessungen	Spannweite: 16.33m	Länge: 7.28m	
	Flügelfläche: 15.30m ²	Höhe: 1.78m	
Flächenbelastung	50.30kg/m ²		

FSB Flugzeuge**HB-2373**

<i>MTOM</i>	770.00 kg
<i>Rüstgewicht:</i>	558.00 kg
<i>Max. Zuladung:</i>	212.00 kg
<i>Im Gepäckraum:</i>	max. 12 kg !
 <i>Wenn Tank voll:</i>	 156.50 kg
 <i>Benzintank voll:</i>	 79 l
<i>ausfliegbar:</i>	77 l
<i>in kg:</i>	55.5kg



Die obenstehenden Angaben ersetzen nicht das AFM,
Daten und Hinweise sind dem Original AFM zu entnehmen!

**DIAMOND «SUPER DIMONA» HB-2373****SPEEDS**

V_x	51 KIAS	95 Km/h	FT / 2400 RPM
V_y	57 KIAS	105 Km/h	FT / 2400 RPM
Downwind (Circuit)	~ 80 KIAS	~ 150 Km/h	24' / 2100 RPM
V_{initial approach}	70 KIAS	130 Km/h	24' / 2100 - 2300 RPM
V_{final}	57 KIAS	105 Km/h	~ 13 - 15'
V_{best gliding angle}	57 KIAS	105 Km/h	
V_{FE} (max. Airbrake speed)	80 KIAS	150 Km/h	
V_A (Manoeuvring speed)	83 - 95 KIAS	155 - 176 Km/h	
Crosswind component max.	17 KTS	30 Km/h	

POWER SETTINGS**Anmerkung** (aus Manual HK36)

Für den sprsamem Reiseflug wird empfohlen, die Drehzahl auf 2200 bis 2300 RPM einzustellen und den Ansaugdruck um 1 bis 2 inHg unter den im Reiseflug maximal möglichen zu reduzieren.

Startstrecken: Hartbelag (MTOM, ISA) Flaps T/O

Höhe 2000ft:	bis 50 ft GND	353 m /	Ground roll	211 m
Höhe 5000ft:	bis 50 ft GND	666 m /	Ground roll	407 m

Steigleistung MSL (ISA): 4.1 m/s 807 ft/min.

Dienstgipfelhöhe (ISA): > 5'000m / 16'500 ft (ISA)



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GLYDING / STILLLEGEN DES TRIEBWERKES

1	Throttle.....	IDLE (FOR 1 MINUTE).....	1
2	Electrical consumers.....	OFF.....	2
3	Airspeed.....	~ 100 km/h.....	3
4	Ignition.....	OFF.....	4
5	Propeller.....	FEATHER (IMMEDIATELY).....	5
6	Mode Select Switch.....	«SEGELFLUG».....	6
7	Cowl flap.....	CLOSED.....	7
8	COMMUNICATION.....	ON (GPS - OFF!).....	8

BEFORE ENGINE START - IN FLIGHT

1	Airspeed.....	> 110 km/h.....	1
2	Electrical consumers.....	OFF.....	2
3	Cowl flap.....	OPEN.....	3
4	Mode Select Switch..... ***	«MOTORFLUG».....	4
5	Fuel quantity.....	ENDURANCE ?.....	5
6	Fuel shut-off valve.....	OPEN.....	6
7	Carburetor heat.....	OFF.....	7
8	Cowl flap.....	OPEN.....	8
9	Propeller.....	«START» POSITION.....	9

CHECK BFORE ENGINE START COMPLETED**WICHTIGER HINWEIS**

Das Anlassen des Triebwerkes aus der Segelstellung ist möglich,
führt aber zu erhöhtem Verschleiss am Triebwerk.

STARTING ENGINE

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3	Throttle..... - cold engine (Oil < 50°C).....	IDLE.....	3
	- hot engine (Oil > 50°C).....	~ 1 cm.....	
4	Propeller area.....	FREE.....	4
5	Ignition key.....	START.....	5
6	Engine running.....	SET 1100 RPM.....	6
7	Oil pressure (10 sec.).....	GREEN ARC.....	7

STARTING ENGINE COMPLETED**CHECK AFTER ENGINE START**

1	Generator (Alternator) output.....	CHECKED.....	1
2	Electric fuel pump.....	OFF, PRESSURE CHECKED.....	2
3	Avionics.....	ON.....	3
4	Flight instruments.....	CHECK AND SET.....	4
5	Engine instruments.....	CHECKED.....	5
6	Avionics Nav, Com.....	SET AND PRESELECT.....	6

CHECK AFTER ENGINE START COMPLETED