

**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**

**LANDING CHECK**

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

**LANDING 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**

<b>V<sub>x</sub></b>	<b>95 Km/h</b>	<b>V<sub>FE</sub> (max. Airbrake speed)</b>	<b>150 Km/h</b>
<b>V<sub>y</sub></b>	<b>105 Km/h</b>	<b>V<sub>initial approach</sub> (24'2100 RPM)</b>	<b>140 Km/h</b>
<b>V<sub>A</sub> (Manoeuvring speed)</b>	<b>155 - 176 Km/h</b>	<b>V<sub>final</sub> (14')</b>	<b>105 Km/h</b>
<b>V<sub>best gliding angle</sub></b>	<b>105 Km/h</b>	<b>Crosswind component max.</b>	<b>30 Km/h</b>

**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 <b>Go to Pos 9 - 15 CHECK BEFORE ENGINE START</b> .....	<b>***</b> .....	4
5 <b>STARTING ENGINE &amp; CHECK AFTER ENGINE START</b> .....	.....	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**

<b>Motor</b>	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		
<b>Betriebsstoffe</b>	Benzin	MOGAS / AVGAS 100LL	79 Liter
		Max. ausfliegbar	77 Liter
	Oel	min. 2l. max 3l (kein Flugmotoren-Oel !)	
<b>Propeller</b>	Mühlbauer Constant Speed Propeller (Hydraulisch)		
<b>Abmessungen</b>	Spannweite: 16.33m	Länge: 7.28m	
	Flügelfläche:	15.30m <sup>2</sup>	Höhe: 1.78m
<b>Flächenbelastung</b>	50.30kg/m <sup>2</sup>		

**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****POWER SETTINGS**

<b>V<sub>x</sub></b>	<b>51 KIAS</b>	<b>95 Km/h</b>	<b>FT / 2400 RPM</b>
<b>V<sub>y</sub></b>	<b>57 KIAS</b>	<b>105 Km/h</b>	<b>FT / 2400 RPM</b>
<b>Downwind (Circuit)</b>	<b>~ 80 KIAS</b>	<b>~ 150 Km/h</b>	<b>24' / 2100 RPM</b>
<b>V<sub>initial approach</sub></b>	<b>70 KIAS</b>	<b>130 Km/h</b>	<b>24' / 2100 - 2300 RPM</b>
<b>V<sub>final</sub></b>	<b>57 KIAS</b>	<b>105 Km/h</b>	<b>~ 13 - 15'</b>
<b>V<sub>best gliding angle</sub></b>	<b>57 KIAS</b>	<b>105 Km/h</b>	
<b>V<sub>FE</sub> (max. Airbrake speed)</b>	<b>80 KIAS</b>	<b>150 Km/h</b>	
<b>V<sub>A</sub> (Manoeuvring speed)</b>	<b>83 - 95 KIAS</b>	<b>155 - 176 Km/h</b>	
<b>Crosswind component max.</b>	<b>17 KTS</b>	<b>30 Km/h</b>	

**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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