



CHECKLIST

**AS16
MOTORGLIDER**

FLUGSCHULE GRENCHEN
SEP 2002

4

SPEEDS FOR OPERATION AT MAX. TAKE OFF MASS (MTOM)

Rotate.....	70 KMH
Best angle Vx.....	100 KMH
Best rate Vy up to 2000 ft/AGL.....	110 KMH
Cruise climb above 2000 ft/AGL.....	150 KMH
Initial approach.....	150 KMH
Intermediate approach.....	120 KMH
Final approach.....	100 KMH
Best glide.....	100 KMH
Max. demonstrated crosswind.....	25 KMH = 14 KT

POWER SETTINGS

Take off and climb.....	throttle full open
Cruise.....	2500 RPM
Descent	2300 RPM

RUN UP

Throttle full open.....	min. 2600 RPM
Idle.....	800- 1000 RPM

POSTFLIGHT

Refuel standard.....	full
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LOADING

HB-	mass	empty arm	Moment	fuel load	cabine load with full fuel	MTOM
2002	499.5 kg	0.334m	167.12mkg	60 lt = 43.2 kg	207.5 kg	750 kg
2033	502.4kg	0.371m	186.55mkg	60 lt = 43.2 kg	204.4 kg	750 kg



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1

CHECKLIST FOR NORMAL OPERATION

Parameters, restrictions, procedures, emergency see AFM

BEFORE ENGINE START

1 Aircraft & Cockpit inspection.....	- COMPLETED.....	1
2 Rudder pedals.....	- ADJUSTED & LOCKED.....	2
3 Seat belts / shoulder harnesses.....	- FASTENED & ADJUSTED.....	3
4 Brake.....	- PUSH.....	4
5 Battery & Alternator.....	- ON.....	5
6 Fuel quantity.....	- CHECKED.....	6
7 Fuel selector.....	- OPEN.....	7
8 Choke.....	- AS REQUIRED.....	8
9 Propeller.....	- TAKE OFF.....	9
10 Gear.....	- WARNING CHECK / LOCKED	10
11 Airbrakes.....	- CHECKED.....	11
12 Controls.....	- FREE & EASY.....	12
13 Elevator trim.....	- SET FOR TAKE OFF.....	13
14 Avionic.....	- PRESELECTED.....	14
15 Avionic.....	- OFF.....	15
16 Flight instruments / time counter.....	- SET / RECORDED.....	16
17 Passenger briefing.....	- COMPLETED.....	17
18 Canopy.....	- CLOSED.....	18

READY FOR ENGINE START

ENGINE START

1 Propeller area.....	- CLEAR.....	1
2 Engine start.....	- according AFM.....	2

ENGINE START COMPLETED

AFTER ENGINE START

1 Oil pressure.....	- CHECKED.....	1
2 Alternator output.....	- CHECKED.....	2
3 Fuel pump.....	- OFF.....	3
4 Avionic.....	- ON.....	4

READY FOR TAXI