



ATEC v.o.s., Czech Republic, www.atecraft.eu

**CHECKLIST**

**ATEC 321 FAETA (wing tanks)**

**Engine: ROTAX 912 iS Sport**

PROCEDURES BEFORE ENTERING COCKPIT		PROCEDURES AFTER ENGINE START-UP		PROCEDURES AFTER TAKE-OFF		OPERATING LIMITS	
Master Switch	OFF	Start Power (position)	set for "FLIGHT"	Flaps position	RETRACT	<b>Engine Speed</b>	
Rescue System	LOCKED	RPM	SET (approx. 2000 rpm)	Throttle	ADJUST	Max. Take-Off RPM:	5800 for max. 5min.
Pedals position	ADJUST	Oil pressure	CHECK (wait for 3 bar)	Propeller (el. prop.)	SET FOR CRUISE	Max. continuous RPM:	5500
Seats position	ADJUST	RPM	INCREASE SLOWLY (over 2500 rpm for 5 sec.)	Fuel Pump (Aux.)	SWITCH OFF (1000 ft GND)	Cruising RPM:	4800
		Ampermeter	CHECK BATTERY CHARGING	Brakes	ON	Idle RPM:	app. 1400
		EMS Indicator	NO WARNING LIGHTS	Time of Take-Off	NOTE		
		RPM	DECREASE (to 2000 rpm)			<b>Oil Temperature</b>	
Canopy - Both Locks	LOCK	WARM UP at 2000 rpm for approx. 2 min. Increase engine speed up		<b>APPROACH AND LANDING</b>		Min. - Max.	50 - 120°C
Rescue System	UNLOCK	to 2500 rpm. Continue warming up until reaching oil. temp. >50°C		Radio	SET	Operating:	90 - 110°C
Seatbelts	FASTEN			Flight instruments	CHECK		
Brakes (parking)	ON			1st downwind turn	FLAPS I. (130km /70kt)	<b>Oil Pressure</b>	
Foot-operated Steering	FREE	<b>ENGINE CHECK</b>		2nd downwind	FLAPS II. (110 km/h /59kt)	Minimum:	0,8 bar <3500 rpm
Hand-operated Steering	FREE	Brakes	ON	Base Leg	FLAPS II. (110 km/h /59kt)	Maximum (short time,cold start):	7,0 bar
Flaps Control	CHECK	Throttle	4000 RPM	Final	FLAPS III. (90 km/h /49kt)	Operating:	2,0-5,0 bar >3500 rpm
Instruments Condition	CHECK	LANE A	SWITCH OFF / ON	Propeller (el. prop.)	set for "TAKE-OFF"		
Fuel Level Indicator	CHECK	(max. RPM drop < 180 RPM)		Throttle	IDLE	<b>Fuel Pressure</b>	
Throttle	IDLE	LANE B	SWITCH OFF / ON	Brakes	OFF	Min. - Max.	2,8 - 3,2 bar
		(max. RPM drop < 180 RPM)		Touch-down at 70 km/h /38kt			
				Flaps position	RETRACT	<b>Coolant Temperature</b>	
				Brakes	ON	Min. - Max.	50 - 120°C
				<b>Landing Dist. (15m obstacle): approx. 300 m</b>			
				<b>Landing Dist. (after touch-down): approx. 150 m</b>		<b>Fuel Capacity:</b>	
						Fuel reserve (indicator ON)	5 L
				<b>AFTER LANDING</b>			
				Brakes	ON	<b>Air Speeds (IAS)*</b>	
						km/h	kt
						Never exceed sp. V <sub>NE</sub> :	295 159
						Design manoeuvre sp. V <sub>A</sub> :	165 89
						Max. cruising sp. V <sub>C</sub> :	248 134
						Max. in severe turb. V <sub>RA</sub> :	240 130
						Best climbing sp.:	110 59
						Max. sp. flaps I. (10°), V <sub>FE,I</sub> :	130 70
						Max. sp. flaps II. (20°), V <sub>FE,II</sub> :	120 65
						Max. sp. flaps III. (35°), V <sub>FE,III</sub> :	110 59
						Recom. speed flaps III.	90 49
						Stall speed, flaps retr. V <sub>S1</sub> :	64 35
						Stall speed, flaps III. V <sub>S0</sub> :	51 28
						Climb in the rain:	120 65
						Cruise in the rain:	120-180 65-97
						Descending to land (rain):	110 59
						(flaps position I. or II.)	
						<b>Load Factors*</b>	
						Max. positive	+5,05 G
						Max. negative	-3,05 G
						*values for MTOW 472,5 kg	