

INFORMATION

MTOM	540 KG
Useful Load (incl. Sprit)	225 KG
Max. Amount of Fuel	60 l / 43 KG
Useable Fuel 58 l	
SUPER unlead 95/98	
Speeds:	
Never Exceed - v_{NE}	225 KM/H
Norm. Ops Speed - v_A	166 KM/H
Max. Speed for Flaps. - v_{FE}	140 KM/H
Best Glide - v_{BG}	115 KM/H
Minimal Sink - v_{ms}	95 KM/H

COCKPIT

Preflight Inspection	PERFORMED
Acc. to Handbook Capt. 4.1 (P.34)	
Fuel on Board	CHECKED
Documents and Dipstick	ON BOARD
Seat Belts	ON
Canopy	LOCKED

BEFORE ENGINE START

Parking Brake	SET
Fuel Shutoff Valve	OPEN
Avionic Switches	ALL SWITCHES OFF
Life-Saving Equipment (Chute)	UNLOCKED
Put splint-pin in middle compartment, and ignition key in the ignition-lock.	
Master Switch	ON
Circuit breakers	ALL IN
Flaps	COMPLETELY RETRACTED (UP)

ENGINE START

Strobes ("NAV LTS")	ON
Fuel Pump	5 SEC. ON - THEN OFF
Throttle	IDLE
Choke	AS REQUIRED
Engine cold: PULL+HOLD	
Engine warm: no Choke, Throttle ca. 2 mm	
Prop Area	CLEAR
Engine Start, via Key	PERFORMED
Enginge Rev, with Choke released MAX. 2000 RPM	
Oil Pressure	GREEN ARC
Avionic (Toggle Switches)	
XPDR, Horizon, Master Radio: 3x ON	
Transponder on device to STBY/GND	
Altimeter	SET
Analogue Altimeter AND G5	
Navigation Tablet	AS REQUIRED

TAXI

Headlights	ON
Engine Rev	IDLE
Release parking brake and brake manually.	
Perform brake check on first movement!	
Taxi always with walking pace and ONLY according to required clearances!	

BEFORE TAKE-OFF

Parking brake	SET
Throttle	IDLE
Headlights	OFF
Warm-up enging with max. 2000 RPM. until oil temp. min. 50°C.	
Run-up Check	PERFORMED
At 3200 RPM. Max. drop 250 RPM (L/R)	
Flight Controls (Stick)	FREE
Trim	SET
Canopy	DOUBLE CHECKED

TAKE-OFF / DEPARTURE

For Line-Up:	
Headlights	ON
Transponder	ALT (MODE S, ADS-B)
Flaps	AS REQUIRED
Fuel Pump	ON
Line-up only according to required clearances!	
In Position / Take-Off	
Throttle	FULL FWD
Rotation earliest at 65 km/h.	
Best climb w/ FLAPS-1: 110 km/m. Clean: 115 km/h.	
Trim	SET
At about 400 ft AGL, reduce Rev slightly.	
Fuel Pumpe and lights OFF.	
Retract Flaps. Climb w/ 115 to 120 km/h	
Adjust trim accordingly.	

CRUISE

Flaps	RETRACTED
Headlights	OFF
Fuel Pump	OFF
Powersetting:	
Normal Cruise: 4750 to 5000 RPM	
Fast Cruise: up to max. 5300 RPM	
CAUTION: High fuel consumption from 5000 RPM on!	
Check engine instruments regularly	

APPROACH		SHUT-DOWN	
Altimeter	SET	At Parkingposition:	
Analogue Altimeter AND G5		Throttle	IDLE
Speed	ACC. APPROACH	Parking Brake	SET
Altitude	ACC. APPROACH	Headlights	OFF
Headlights	ON	XPDR, Radio, Horizon	OFF
Flaps	AS REQUIRED	Trim	NEUTRAL
CHECK IND. AIR SPEED!		Ignition (via key)	OFF
Max. 140 km/h for Flaps.		After Engine has STOPPED:	
Altitude	ACC. CIRCUIT OR CLEARANCE	Strobes ("NAV LTS")	OFF
FINAL APPROACH AND LANDING		Flaps	FULLY EXTENDED
Fuel Pump	ON	Step-on protection! Check first, then:	
Flaps	AS REQUIRED	MASTER	OFF
Final Approach w/o Flaps	110 KM/H	Life-saving Eq. (Chute)	SECURED
Final Approach w/ Flaps 1/2	100 KM/H	Ignition key	REMOVED
Touch-down	90 - 95 KM/H	Put key into middle compartment.	
AFTER LANDING / TURN-OFF		When getting out:	
Fuel Pump	OFF	ALL Flip-Switches	OFF!
Flaps	FULLY RETRACTED	Parking Brake	AS REQUIRED
Transponder	STBY OR GND	Will the A/C be moved?	
Trhrottle	IDLE	Parking Brake: released	
Taxi according to clearances, clean and with walkin pace. If necessary on hand on brake lever		Parking over night? Outside?	
		Parking Brake: SET	
		Controls: SECURED	
		(Arrest stick w/ Harness!)	
		Wheel Chocks?	
		A/C tied down?	
		A/C covered? (Tarpaulin)	