

INFORMATION

MTOM 540 KG
 Useful Load (incl. Sprit) 225 KG
 Max. Ammount 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 ENGINGE 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 Pompe 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

Altimeter SET
 Analogue Altimeter AND G5
 Speed ACC. APPROACH
 Altitude ACC. APPROACH
 Headlights ON
 Flaps AS REQUIRED
 CHECK IND. AIR SPEED!
 Max. 140 km/h for Flaps.
 Altitude ACC. CIRCUIT OR CLEARANCE

FINAL APPROACH AND LANDING

Fuel Pump ON
 Flaps AS REQUIRED
 Final Approach w/o Flaps 110 KM/H
 Final Approach w/ Flaps 1/2 100 KM/H
 Touch-down 90 - 95 KM/H

AFTER LANDING / TURN-OFF

Fuel Pump OFF
 Flaps FULLY RETRACTED
 Transponder STBY OR GND
 Throttle IDLE
 Taxi according to clearances, clean
 and with walkin pace. If
 necessary on hand on brake lever

SHUT-DOWN**At Parking position:**

Throttle IDLE
 Parking Brake SET
 Headlights OFF
 XPDR, Radio, Horizon OFF
 Trim NEUTRAL
 Ignition (via key) OFF

After Engine has STOPPED:

Strobes ("NAV LTS") OFF
 Flaps FULLY EXTENDED

Step-on protection! Check first, then:

MASTER OFF
 Life-saving Eq. (Chute) SECURED
 Ignition key REMOVED
 | Put key into middle compartment.

When getting out:

ALL Flip-Switches OFF!
 Parking Brake AS REQUIRED

Will the A/C be moved?

| Parking Brake: released

Parking over night? Outside?

| Parking Brake: SET
 | Controls: SECURED
 | (Arrest stick w/ Harness!)
 | Wheel Chocks?
 | A/C tied down?
 | A/C covered? (Tarpaulin)