

**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 ENGINCE 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)