Checklist D EEVZ

PRE-FLIGHT CHECK

Drains	COMPLETED
Drain valves	TIGHT
Rudder lock	REMOVED
Shock absorbers	NORMAL
Oil level	WITHIN LIMITS
Oil leaks	NONE
Engine compartment	NOT
NOTICEABLE Cowling fasteners	CLOSED
Propeller	UNDAMAGED
Air intakes	FREE
Engine temperature	CHECKED
Static ports	CLEAR
Tires	TIGHT
Skid marks	CONTINUOUS

RIGHT WING

Front edge of wing	UNDAMAGED
Fuel tank on right	MEASURED Wing
tip and light	UNDAMAGED
Aileron	FREE Aileron and
flap	UNDAMAGED

FUSELAGE

Sheet metal damage on right side	NONE Tail
	FREE
MOVEMENT	
Trim rudder	COUPLED Tail
light and antenna	UNDAMAGED Bracket
edge	NORMAL
Rudder connections	CHECKE
D Sheet metal damage on left	NONE

LEFT WING

Flaps and ailerons	UNDAMAGED
Aileron	FREE RANGE
Edge arch and light	UNDAMAGED
Tank filling on left	MEASURED
Leading edge	UNDAMAGED
Stall warning	CHECKED
Pitot tube protection	REMOVED
Pull fork	**REMOVED**

BEFORE STARTING

Discs	INTACT / CLEAN
Seats	LOCKED
Seat belts	FASTENED
Both doors	LOCKED
Fire tap	OPEN
Fuses	CHECKED / ON
All electrical switches	OFF
Radio master	OFF
Preheating	OFF
Mixture	RICH

START

Battery	ON
Beacon	ON
CO warning device	WARNING TONE
Fuel pump	ON
Injection	AS REQUIRED
Propeller area	FREE
Starting	
Speed	800 to 1000 rpm
Oil pressure	GREEN max 30 sec
Alternator	ON
Warning lights	OFF
Voltmeter	GREEN
Panel warning board	TESTED
Suction	TESTED
Turn signal	ON
Radio Master	ON
Switching system	TESTED
Intercom	TESTED
Landing flaps	RETRACTED
ELT	**ARM ?**
Autopilot	CHECKED
Autopilot	DISCONNECT
Heading Bug	RWY HEADING

ROLL

Rudder	FREE
Wheel brakes	CHECKED
Gyroscope	TESTED
Flap	TESTED

Checklist D EEVZ

TEST RUN / ROLL STOP

Brake	FIXED
Oil temperature	CHECKED
Oil pressure	GREEN
Fuel pressure	GREEN
Voltmeter	GREEN
Engine	2000 rpm
Magnetic check	-150 // 50
Preheating	TESTED
Suction	TESTED
Speed	Approx. 1200 rpm
Suction	TESTED
Altimeter	SET
Gyro	SET
Horizon	SET
COM/NAV	ON / SET
Fuel gauges	CHECKED
Flap	SET
Trim	START
Fire valve	OPEN
Side window	LOCKED
Doors	CLOSED
Seat belts	FASTENED

Abort/emergency procedure defined?

START

Autopilot	DISCONNECT
Transponder	ALT / CHECKED
Initial climb	65 knots
300 ft GND.	FLAPS IN.
Best climb	78 knots
Steepest climb	67 kts

CRUISE FLIGHT

RPM	AS PLANNED
Trim	SET
Mixture	ADJUSTED
Tank / Gyro	MONITOR

LANDING PREPARATION

Mixture	RANGE
Preheating	ON
Fuel pump	ON Tank selector
switch	FULLEST TANK
Autopilot	DISCONNECT
Landescheinwerfer	ON
Trim	to 75 knots
Landing flaps	POSITION 1
Heading Bug	RWY HEADING

FINAL APPROACH

Flaps	FULL
Speed	70 to 65 knots
Preheating	OFF

ROLL

Landing flaps	RETRACT
Landing lights	OFF

OFF

Taxi lights	OFF
Turn signal	OFF
Position lights	OFF
Autopilot	OFF
Seat heating	OFF
Radio Master	OFF
Landing flaps	EXTEND Dead
check at idle	COMPLETED RPM 1200 rpm
Mixture	LEAN
Throttle	IDLE
Generator	OFF
Battery	OFF
Ignition	OFF
Key	REMOVED
Doors	CLOSED
Pitot tube	COVERED
Static ports	COVERED

Performance

V_{NE} (max. speed)	**165 knots**	**189 mph**
Caution range	**128-165 knots**	**147- 189 mph**
V_{NO} (max. cruising)	**128 knots**	**147 mph**
V_A (Maneuvering speed)	**122 knots**	**140 mph**
V_{FE} (Flaps ext.)	**95 knots**	**109 mph**
Best climb	**78 Kts**	**90 mph**
Best angle of climb	**65 knots**	**74 mph**
Best glide angle	**86 knots**	**99 mph**

Short runway
L-flaps 25°, rotation **48-53 knots** **55-60 mph**

Max crosswind (takeoff **and** landing)	**25 knots**	**28 mph**
Nose landing gear	**45 psi**	**3.1 bar**
Main landing gear	**33 psi**	**2.3 bar**
Oil **max/ min**	**8/4 quarts**	**7.6/3.8 l**

Fuel

Max left/right tank	**79 l each = 158 l**	**50 US gallons**
Marking	L/R Tank **45 l each = 90 l**	**36 US gal**

Maximum takeoff weight: 1060 kg

Autopilot operation D-EEVZ

Test

1. Toggle switch Test - and wait approx. 1 minute
2. On/Off button Autopilot - STB display
3. Press push and turn to the left - Control wheel turns to the left
4. Press push and turn to the right - Control wheel turns to the right
5. On/Off button - Off

Navigation by GPS

1. On/Off button Autopilot - ON
2. Autopilot - NAV
3. Press GPSS button - Nav to GNS 430

Fly by heading

1. On/Off button Autopilot - ON
2. Autopilot - HDG
3. Heading according to gyro, right button - Nav according to gyro

Altitude hold autopilot

1. On/Off button Autopilot - ON
2. Autopilot - ALT, altitude according to altimeter

In strong thermals, avoid flying with autopilot ALT (altitude hold) as significant changes in speed are to be expected.

EDM 800

STEP LF

1. **STEP+LF Hold button down Program**
2. **Press the STEP button briefly FILL ? N**
3. **Press LF button briefly .FUEL? Y**

- **FILL 90 STEP=EXIT or LF button**
- **FILL 152 STEP=EXIT or LF key**

<u>Individual quantity</u>

- **Press LF key until FILL+**
- **Press STEP key Display 00**
- **Hold down LF key Liters +**
- **LF button buttons Liter -**
- **Done STEP button**

Input is added to the existing quantity (only with default setting –accumulate–)

Conversion US gallons – liters
50 l = 13 gallons 60 l = 16 gallons
90 l = 32 gallons 120 l = 32 gallons

1 US gallon = 3.79 l