

TAKEOFF

V_x Flaps UP 62 KIAS
V_y Flaps UP 74 KIAS
Short Field, Flaps 10°, 50 ft 57 KIAS
Cruise - Climb Flaps UP 75-85 KIAS

LANDING

Flaps UP 65-75 KIAS
Flaps FULL 60-70 KIAS
Short Field Flaps FULL 61 KIAS
Max. demo X-Wind, Flaps UP - 10° 20 knots
Max. demo X-Wind, Flaps FULL 15 knots
V_{FE} Flaps 10° 110 KIAS
V_{FE} Flaps 10°-FULL 85 KIAS

CRUISE

V_A Maneuvering 90-105 KIAS
V_{NO} Max turbul. Air 129 KIAS
V_{NE} Max Airspeed 163 KIAS
Max. Window open speed 163 KIAS

Airspeeds for Emergency Operations

V_A Maneuvering 90-105 KIAS
Best Glide Flaps UP 68 KIAS
Eng. Failure aft. T/O Flaps 10°-FULL 65 KIAS
Eng. Failure aft. T/O Flaps UP 70 KIAS



D-EUTC

CESSNA 172S

MTOM = 1157 kg / 2550 lb

A/C-Size: W: 11.0 m H: 2.7m L: 8.3 m

OPERATOR

MFU Pilotenclub
A-2542 Köttingbrunn
Flugplatz 1, Top 1
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FPL (EXAMPLE)	
7	A/C ID D-EUTC
8	Flight Rules V,I,Y,Z
9	Type of Flight G
	Type of A/C C172
Wake Turbul. Cat. L	
10	Equipment BDFGLORY/S
13	Departure A/D LOAV
Departure Time 0830	
15	Speed N0115
Flight Level	VFR
	Route RADLY
16	Destination A/D LJPZ
Total EET 0200	
Alternate A/D LOWG	
18	Other Info EET/RADLY0040
PBN/B2C2D2O2S2 NAV/SBAS	
19	Endurance 0400
Persons on Bord 1-4	
Emerg. Equipm. ELT	
A/C Colour WHITE	
Name PIC NAME/TEL	

CONTACT	Tower LOAV	+43 1 700729201
	Maint. LOAV	+43 2252 790894
	AIS	+43 51703 3211
	MET	+43 51703 3443

FUEL	Fuel	AVGAS 100LL
	Maximum Fuel	56 USG
	Unusable Fuel	3 USG

OIL	Shell Aero	15W-50
	Minimum	5 quarts
	Maximum	8 quarts

TIRE	Front Tire	45 psi
	Main Tires	42 psi

SPEED	V _{S0} (Stall- Flaps max)	40 KIAS
	V _{S1} (Stall- Flaps 0)	48 KIAS
	V _G (best glide/Flaps0)	68 KIAS
	Max. Demo. X-Wind	20 knots

COM FAIL

Clear to Land

Return to Landing

Continue Circling

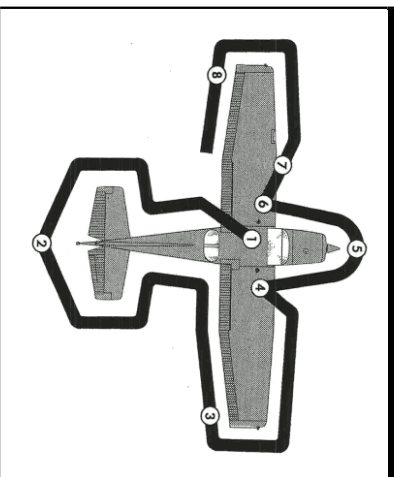
A/D unsafe, don't Land

Low Altitude, don't proceed

Is Apron - wait for Clearance

Do not Land

PREFLIGHT



BATTERY	
Fuel Selector	BOTH
Fuel Shutoff Valve	ON
Flaps	EXTEND
Pilot Heat	ON/CHECK
Master ALT/BAT	OFF
20 Alt. Static Air	PUSH OFF

2 EMPENNAGE

2 EMPENNAGE	
21 Baggage Door	CHECK
22 Tail Tiedown	DISCON
23 Ctrl. Surfaces	CHECK
24 Elevator Trim Tab	CHECK
25 Antennas	CHECK

3 RIGHT WING - Trailing Edge

3 RIGHT WING - Trailing Edge	
26 Flaps	CHECK
27 Aileron	CHECK

4 RIGHT WING

4 RIGHT WING	
28 Wing Tiedown	DISCON
29 Main Wheel Tire	CHECK
30 Fuel Tank 	5x DRAIN
31 Fuel Quantity	CHECK
32 Fuel Filler Cap	SECURE
33 Filler Cap Vent	CLEAR

1 CABIN	
1 Pitot Cover	REMOVE
2 POH	ACCESSIBLE
3 Mass & Balance	IN LIMITS
4 Parking Brake	SET
5 Control Wheel Lock	REMOVE
6 Magnetos	OFF
7 Avionics Master	OFF
Master ALT1/BAT	ON
Fuel Quantity	CHECK
Avionics Master	ON
Avionics Fan	AUDIBLE
Avionics Master	OFF
Alt. Static Air	OFF
Annunciator Panel	TEST

CRUISE PERFORMANCE

CONDITIONS:
2550 Pounds
Recommended Lean Mixture

Druck- höhe ft	1/min	20°C UNTER STANDARDTEMP			STANDARD- TEMPERATUR			20°C ÜBER STANDARDTEMP		
		%	KTAS	1/h	%	KTAS	1/h	%	KTAS	1/h
2000	2550	83	117	42,1	77	118	39,8	72	117	37,5
	2500	78	115	40,2	73	115	37,5	68	115	35,6
	2400	69	111	36,4	64	110	34,1	60	109	32,2
	2300	61	105	32,6	57	104	30,7	53	102	29,2
	2200	53	99	29,2	50	97	27,7	47	95	26,2
4000	2100	47	92	26,2	44	90	25,0	42	89	23,9
	2600	83	120	42,1	77	120	39,4	72	119	37,1
	2550	79	118	40,2	73	117	37,5	68	117	35,6
	2500	74	115	38,3	69	115	36,0	64	114	33,7
	2400	65	110	34,5	61	109	32,2	57	107	30,7
6000	2300	58	104	31,1	54	102	29,2	51	101	27,7
	2200	51	98	28,1	48	96	26,5	45	94	25,4
	2100	45	91	25,0	42	89	24,3	40	87	23,1
	2650	83	122	42,1	77	122	39,4	72	121	37,1
	2600	78	120	40,2	73	119	37,5	68	118	35,6
	2500	70	115	36,4	65	114	34,1	60	112	32,2
	2400	62	109	32,6	57	108	31,1	54	106	29,2
	2300	54	103	29,6	51	101	28,1	48	99	26,5
	2200	48	96	26,9	45	94	25,4	43	92	24,3

LANDING	
1	Airspeed (Flaps Up) 65-75 KIAS
2	Flaps: < 110 KIAS UP - 10°
3	Flaps: < 85 KIAS 10° - FULL
4	Airspeed (Flaps Full) 60-70 KIAS
5	Trim ADJUST
6	Touchdown MAIN WHEELS
7	Nose Wheel LOWER GENTLY
8	Brakes MINIMUM
60 AROUND	Throttle FULL FWD
	Flaps 20°
	Climb Speed 60 KIAS
	Flaps 10°
	400 ft AGL - Safe Speed CHECK
	Speed 65 KIAS
Flaps UP	

SHORT FIELD LANDING	
1	Airspeed (Flaps Up) 65-75 KIAS
2	Flaps FULL
3	Airspeed 61 KIAS
4	Trim ADJUST
5	PWR (after Obsr. cleared) IDLE
6	Touchdown MAIN WHEELS
7	Brakes HEAVILY
8	Flaps UP

Throttle	FULL FWD
Flaps	20°
Climb Speed	60 KIAS
Flaps	10°
400 ft AGL - Safe Speed	CHECK
Speed	65 KIAS
Flaps	UP

AFTER LANDING	
1	Flaps UP
2	Pitot Heat OFF
3	Strobes OFF
4	Transponder CHECK GND
5	LDG Light OFF

SECURING ACFT	
1	Parking Brake SET
2	ELT (121,5 MHz) CHECK
3	Throttle 1000 rpm
4	Flight Plan CLOSED
5	Avionics Master OFF
6	Electr. Equipment OFF
7	Mixture IDLE CUTOFF
8	Magnetos OFF
9	Beacon OFF
10	Master ALT/BAT OFF
11	Control Wheel Lock INSTALL
12	Fuel Selector LEFT/RIGHT
13	Flight Logger SLIDE CARD

5 NOSE	
34	Fuel Strainer 3x DRAIN
35	Oil Level CHECK
36	Dipstick/Filler Cap SECURE
37	Engine Inlets CHECK
38	Prop & Spinner CHECK
39	Air Filter CHECK
40	Wheel Strut/Tire CHECK
41	Static Source Port CLEAN

6 LEFT WING	
42	Fuel Quantity CHECK
43	Fuel Filler Cap SECURE
44	Filler Cap Vent CLEAR
45	Fuel Tank 5x DRAIN
46	Main Wheel Tire CHECK

7 LEFT WING - Leading Edge	
47	Fuel Tank Vent CHECK
48	Stall Warning CHECK
49	Wing Tiedown DISCON
50	LDG & Taxi Light CHECK

8 LEFT WING - Trailing Edge	
51	Aileron CHECK
52	Flaps CHECK

BEF. ENGINE START	
1	Preflight Inspection COMPL
2	Passenger Briefing COMPL

3	Seats/Seat Belts ADJUST/LOCK
4	Brakes TEST & SET
5	Circuit Breakers CHECK IN
6	Electr. Equipment OFF
7	Avionics Master OFF
8	Fuel Selector BOTH
9	Fuel Shutoff Valve ON
10	Avionics CB CHECK IN

ENGINE START	
1	Throttle 6-8 mm OPEN
2	Mixture IDLE CUTOFF
3	Master ALT/BAT ON
4	Beacon ON
COLD ONLY	Fuel Pump ON
	Mixture 3-5 SEC RICH
	Fuel Flow 12-19 Ltr/H
COLD ONLY	Mixture IDLE CUTOFF
	Fuel Pump OFF
10	Prop Area CLEAR
11	Ignition START
12	Mixture when fires RICH
13	Oil Press. < 30 sec IN RANGE
14	ACL AS REQ
15	Nav Lights AS REQ
16	Avionics Master ON
17	COM ON
18	A/P Selftest + Horn CHECK
19	Flaps UP

FLOODED ENGINE START		
1 Fuel Pump	OFF	
2 Mixture	LEAN	
3 Throttle	1/2 - FULL	
4 Ignition	START	
5 Mixture when fires	RICH	
6 Throttle	1000 rpm	

ENGINE START - Ext. Power		
1 Throttle	6-8 mm OPEN	
2 Mixture	IDLE CUTOFF	
3 Prop Area	CLEAR	
4 Ext. Battery	CONNECT	
5 Master ALT/BAT	ON	
6 Beacon	ON	
7 Fuel Pump	ON	
8 Mixture	3-5-SEC RICH	
9 Fuel Flow	12-19 Lt/H	
10 Mixture	IDLE CUTOFF	
11 Fuel Pump	OFF	
12 Ignition	START	
13 Mixture when fires	RICH	
14 Oil Press. < 30 sec	IN RANGE	
15 Ext. Battery	DISCONN	
16 ACL	AS REQ	
17 Nav Lights	AS REQ	
18 Avionics Master	ON	
19 COM	ON	
20 A/P Selftest + Horn	CHECK	
21 Flaps	UP	

BEFORE TAKEOFF		
1 Parking Brake	SET	
2 Seat Backs	UPRIGHT	
3 Seats/Seat Belts	SECURE	
4 Cabin Doors	CLOSE LOCK	
5 Flight Controls	FREE & CORR	
6 Throttle Check	IDLE	
7 Throttle	~1000 rpm	
8 Flight Instruments	CHECK	
9 Fuel Quantity	CHECK	
10 Mixture	RICH	
11 Fuel Selector	BOTH	
12 Elevator Trim	T/O	
13 Throttle	1800 rpm	
14 Ignition R-B-L-B	CHECK	
15 Drop max 150 rpm	CHECK	
16 Diff L/R max 50 rpm	CHECK	
17 Ignition Both	CONFIRM	
18 VAC Indicator	CHECK	
19 Engine Instruments	CHECK	
20 Ammeter/Voltmeter	CHECK	
21 Annunciators	CHECK	
22 Throttle	1000 rpm	
23 Friction Lock	ADJUST	
24 ACL	AS REQ	
25 COM & Avionics	SET	
26 Autopilot	ENGAGE	
27 Flight Controls	VERRIDE	
28 A/P - Baro	SET QNH	
29 A/P DISC+Horn	PRESS & VFY	

30 Transponder	SET ALT	
31 Flaps	UP or 10°	
32 LDG Light	ON	
33 Elevator Trim	T/O	
34 Brakes	RELEASE	

LINE UP / TAKEOFF		
1 Flaps	UP or 10°	
2 Throttle	FULL FWD	
3 Mixture	RICH	
4 Rotate	55 KIAS	
5 Climb Speed	70-80 KIAS	
6 400 ft AGL - Safe Speed	CHECK	
7 Flaps	UP	

SHORT FIELD TAKEOFF		
1 Flaps	10°	
2 Brakes	APPLY	
3 Throttle	FULL FWD	
4 Mixture	RICH	
5 Brakes	RELEASE	
6 Elevator	TAIL LOW	
7 Climb Speed	57 KIAS	
8 400 ft AGL - Safe Speed	CHECK	
9 Climb Speed	>60 KIAS	
10 Flaps	UP	

ENROUTE CLIMB		
1 Climb Speed	70-85 KIAS	
2 Throttle	FULL FWD	
3 Mixture	RICH	

CRUISE		
1 Throttle	AS REQ	
2 Trim	AS REQ	
3 Mixture	LEAN	

DESCENT		
1 Throttle	AS DESIRED	
2 Mixture	ADJUST	
3 Altimeters	SET	
4 Fuel Selector	BOTH	

BEFORE LANDING		
1 Seat Backs	UPRIGHT	
2 Seats/Seat Belts	SECURE	
3 Fuel Selector	BOTH	
4 Mixture	RICH	
5 LDG & Taxi Light	ON	
6 Autopilot	OFF	