



3fly.at

OE-DCL

CESSNA 172S

MTOM = 1157 kg / 2550 lb

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

FPL (EXAMPLE)

7	A/C ID	OE-DCL
8	Flight Rules	V,I,Y,Z
	Type of Flight	G
9	Type of A/C	C172
	Wake Turbul. Cat.	L
10	Equipment	BDFGLORY/H
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

OPERATOR

MFU Flugvermietung GmbH
A-2542 Kottlingbrunn
Flugplatz 1, Top 1
UID ATU80021129
+43 2252 77340

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 15/20 kts

COM FAIL

Clear to Land

Return to Landing

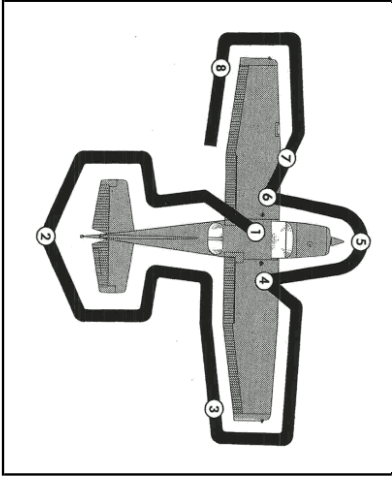
Continue Circling

A/D unsafe, don't Land

Do not this A/D proceed to Apron - Wait for Clearance

Do not Land

PREFLIGHT



1 CABIN

1	Pitot Cover	REMOVE
2	POH	ON BOARD
3	G1000 Ref. Book	ON BOARD
4	Mass & Balance	IN LIMITS
5	Parking Brake	SET
6	Control Wheel Lock	REMOVE
7	Magnetos	OFF
8	Avionics BUS 1 & 2	OFF
Master ALT/BAT		ON
PFD		VERIFY ON
Fuel Quantity		CHECK
Low Fuel L / R Annunc.		CHECK
Oil Pressure Annunc.		CHECK
Low Vac. Annunc.		CHECK
Avionic BUS 1		ON
Fwd Fan Noise		CHECK
Avionic BUS 1		OFF
Avionic BUS 2		ON

BATTERY

Aft Fan Noise	CHECK
Avionic BUS 2	Off
Pitot Heat	ON / CHECK
Pitot Heat	OFF
Low Volts Annunc.	CHECK
Master ALT/BAT	OFF
25 Trim	TAKEOFF
26 Fuel Selector	BOTH
27 Alt. Static Air	PUSH OFF

2 EMPENNAGE

28	Baggage Door	CHECK
29	Tail Tiedown	DISCON
30	Ctrl. Surfaces	CHECK
31	Elevator Trim Tab	CHECK
32	Antennas	CHECK

3 RIGHT WING - Trailing Edge

33	Flaps	CHECK
34	Aileron	CHECK

4 RIGHT WING

35	Wing Tiedown	DISCON
36	Main Wheel Tire	CHECK
37	Fuel Tank	DRAIN 5x
38	Fuel Quantity	CHECK
39	Fuel Filler Cap	SECURE
40	Filler Cap Vent	CLEAR

Airspeeds for Normal Operations

TAKEOFF

V_X Flaps UP 62 KIAS
V_Y Flaps UP 74 KIAS
Short Field, Flaps 10°, 50 ft 56 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

5 NOSE

41 Fuel Strainer	3x DRAIN
42 Oil Level	CHECK
43 Dipstick/Filler Cap	SECURE
44 Engine Air Inlets	CHECK
45 Prop & Spinner	CHECK
46 Air Filter	CHECK
47 Wheel Strut /Tire	CHECK
48 Static Source Port	CLEAR

6 LEFT WING

49 Fuel Quantity	CHECK
50 Fuel Filler Cap	SECURE
51 Filler Cap Vent	CLEAR
52 Fuel Tank	DRAIN 5x
53 Main Wheel Tire	CHECK

7 LEFT WING - Leading Edge

54 Fuel Tank Vent	CHECK
55 Stall Warning	CHECK
56 Wing Tiedown	DISCON
57 LDG & Taxi Light	CHECK

8 LEFT WING - Trailing Edge

58 Aileron	CHECK
59 Flaps	CHECK

BEFORE 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 Avionic BUS 1 & 2	OFF
8 Fuel Selector	BOTH
9 Fuel Shutoff Valve	ON

ENGINE START

1 Throttle	6 mm OPEN
2 Mixture	IDLE CUTOFF
3 STBY Batt	TEST 10 SEC
4 Green Test Lamp	VERIFY ON
5 STBY Batt	ARM
6 Eng. Indic. System	CHECK
7 No Red X Eng. Ind.	VERIFY
8 Bus E: min. 24 Volts	CHECK
9 M Bus: <1.5 Volts	CHECK
10 BATT S Amps	DISCHARGE
11 STBY BATT Annunc.	CHECK
12 Master ALT / BAT	ON
13 Beacon	ON
14 Fuel Pump	ON
15 Mixture	3-5 SEC RICH
16 Mixture	IDLE CUTOFF
17 Fuel Pump	OFF
18 Prop Area	CLEAR
19 Ignition	START
20 Mixture w. fires smoothly	RICH

21	Oil Press. < 30 sec	IN GREEN
22	Amps M BATT	CHARGE
23	Amps BATT S	CHARGE
24	Low Volts Annunc.	CHECK OFF
25	Nav Lights	AS REQ
26	Avionics BUS 1 & 2	ON
27	G1000 Nav Data	CHECK
Taxi	Chocks Removed	CHECK
	Brakes L & R	CHECK
	Flight Instruments	CHECK

FLOODED ENGINE START		
1	Fuel Pump	OFF
2	Mixture	IDLE-CUTOFF
3	Throttle	1/2 - FULL
4	Ignition	START
5	Mixture w. Fires Smoothly	RICH
6	Throttle	1000 rpm

ENGINE START - Ext. Power		
1	Throttle	6 mm OPEN
2	Mixture	IDLE CUTOFF
3	STBY Batt	TEST 10 SEC
4	Green Test Lamp	VERIFY ON
5	STBY Batt	ARM
6	Eng. Indic. System	CHECK
7	No Red X Eng. Ind.	VERIFY
8	Bus E: min. 24 Volts	CHECK
9	M Bus: <1.5 Volts	CHECK
10	BATT S Amps	DISCHARGE
11	STBY BATT Annunc.	CHECK

SHORT FIELD TAKEOFF DISTANCE AT 2550 POUNDS

CONDITIONS:

Flaps 10°
Full Throttle prior to brake release.
Paved, Level, Dry Runway
Zero Wind

Lift Off: 51 KIAS
Speed at 50 Feet: 56 KIAS

Pressure Altitude Feet	0°C		10°C		20°C		30°C		40°C	
	Total Feet	Gnd Roll Feet	Total Feet	Gnd Roll Feet	Total Feet	Gnd Roll Feet	Total Feet	Gnd Roll Feet	Total Feet	Gnd Roll Feet
Sea Level	860	1465	925	1575	995	1690	1070	1810	1150	1945
1000	940	1600	1010	1720	1090	1850	1170	1990	1260	2135
2000	1025	1755	1110	1890	1195	2035	1285	2190	1380	2355
3000	1125	1925	1215	2080	1310	2240	1410	2420	1515	2605
4000	1235	2120	1335	2295	1440	2480	1550	2685	1660	2880
5000	1355	2345	1465	2545	1585	2755	1705	2975	1825	3205
6000	1495	2605	1615	2830	1745	3075	1875	3320	2010	3585
7000	1645	2910	1785	3170	1920	3440	2065	3730	2215	4045
8000	1820	3265	1970	3575	2120	3880	2280	4225	2450	4615

NOTE

- Short field technique as specified in Section 4.
- Prior to takeoff from fields above 3000 feet pressure altitude, the mixture should be leaned to give maximum RPM in a full throttle, static run-up.
- Decrease distances 10% for each 9 knots head wind. For operation with tail winds up to 10 knots, increase distances by 10% for each 2 knots.
- For operation on dry grass runway, increase distances by 15% of the "ground roll" figure.

CRUISE PERFORMANCE

CONDITIONS:
2550 Pounds
Recommended Lean Mixture

Druck- höhe ft	1/min	20°C ÜNTER STANDARDTEMP		STANDARD- TEMPERATUR		20°C ÜBER STANDARDTEMP	
		%	KTAS	%	1/h	%	KTAS
2000	2550	83	117	77	118	72	117
	2500	78	115	73	115	68	115
	2400	69	111	64	110	60	109
	2300	61	105	57	104	53	102
	2200	53	99	50	97	47	95
	2100	47	92	44	90	42	89
4000	2600	83	120	77	120	72	119
	2550	79	118	73	117	68	117
	2500	74	115	69	115	64	114
	2400	65	110	61	109	57	107
	2300	58	104	54	102	51	101
	2200	51	98	48	96	45	94
6000	2100	45	91	42	89	40	87
	2650	83	122	77	122	72	121
	2600	78	120	73	119	68	118
	2500	70	115	65	114	60	112
	2400	62	109	57	108	54	106
	2300	54	103	51	101	48	99
2200	48	96	26,9	45	94	43	92

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 Flight Instruments	CHECK
7 PFD Baro	SET
8 STBY Altimeter	SET
9 ALT SEL	SET
10 STBY Flight Instr.	CHECK
11 Fuel Quantity	CHECK
12 Mixture	RICH
13 Fuel Selector	BOTH
14 Autopilot	ENGAGE
15 Flight Controls 	OVERRIDE
16 A/P Trim Disc. (red)	PRESS
17 Flight Director	OFF
18 Elevator Trim	T/O
Throttle	1800 rpm
Ignition R-B-L-B	CHECK
Drop max 175 rpm	CHECK
Diff L/R max 50 rpm	CHECK
Ignition	BOTH
VAC Indicator	CHECK
Engine Indicators	CHECK
Ammeters/Voltmeters	CHECK

27 Annunciators	CHECK
28 Throttle Check	IDLE
29 Throttle	~1000 rpm
30 Friction Lock	ADJUST
31 COM	SET
32 NAV	SET
33 FMS / GPS FPL	AS DESIRED
34 Transponder	SET
35 CDI / NAV Source 	SELECT
36 Cabin PWR 12V	OFF
37 Flaps	UP or 10°
38 Cabin Windows	CLOSE
39 Strobe	ON
40 LDG Light	ON
41 Elevator Trim	T/O
42 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 Spd.	CHECK
7 Flaps	UP

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SHORT FIELD TAKEOFF		
1 Flaps	10 °	
2 Brakes	APPLY	
3 Throttle	FULL FWD	
4 Mixture	RICH	
5 Brakes	RELEASE	
6 Elevator Slightly	TAIL LOW	
7 Climb Speed	56 KIAS	
8 400 ft AGL - Safe Spd.	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	
4 FMS/COM/NAV	REVIEW	

DESCENT		
1 Throttle	AS DESIRED	
2 Mixture	ADJUST	
3 Altimeters	SET	
4 Altitude Preselect	SET	
5 CDI NAV Source	SELECT	
6 FMS / GPS	REVIEW	
7 Fuel Selector	BOTH	
8 Flaps	AS DESIRED	

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OE-DCL (CESSNA 172S)

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	
7 Cabin PWR 12V	OFF	

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	
Throttle	FULL FWD	
Flaps	20 °	
Climb Speed	60 KIAS	
Flaps	10 °	
400 ft AGL - Safe Spd.	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 Obst. 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 Spd.	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 Taxi Light	OFF	
3 ELT (121.5 MHz)	CHECK	
4 Throttle	IDLE	
5 Flightplan	CLOSE	
6 Avionics Master	OFF	
7 Electr. Equipment	OFF	
8 Mixture	IDLE CUTOFF	
9 Magnetos	OFF	
10 Beacon	OFF	
11 Master ALT/BAT	OFF	
12 STBY Batt	OFF	
13 Flight Logger	SLIDE CARD	
14 Control Wheel Lock	INSTALL	
15 Fuel Selector	LEFT/RIGHT	

Consult POH/AFM for "Warnings, Cautions and additional Information"

This document does not replace POH/AFM - (DCL 2025 V2.8)

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