



PILOTENCLUB WIEN
Wiener Luftfahrerverband

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OE-DLP

CESSNA FR 172 G ROCKET

MTOW: 1.157 kg / 2.250 lb

A/C-Size: W: 10,93 m H: 2,9 m L: 8 m

F P L (E X A M P L E)		
7	A/C ID	OE-DLP
8	Flight Rules	Z
	Type of Flight	G
9	Type of A/C	C172
	Wake Turbul. Cat.	L
10	Equipment	SDFGRYZ / S
13	Departure A/D	LOAV
	Departure Time	0830
15	Speed	N0115
	Flight Level	VFR
16	Route	RADLY
	Destination A/D	LJPZ
18	Total EET	0200
	Alternate A/D	LOWG
19	Other Info.	EET/RADLY0040
		PBN/B2S1 NAV/GTN650
19	Endurance	0400
	Persons on Bord	1 - 4
	Emerg. Equipm.	ELT
	A/C Colour	white red blue
	Name PIC	NAME / TEL

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OPERATOR

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M E T	+43 51703 3443

FUEL

Fuel	AVGAS 100LL
Maximum Fuel	183 L / 46 USG
Unusable Fuel	12 Liter / 3 USG

OIL

Shell Aero	15W-50
Minimum	7 quarts 6,6 L
Minimum	10 quarts 9,5 L

TIRE

Front Tire	26 psi / 1,8 bar
Main Tires	24 psi / 1,6 bar

SPEED

V _{SO} (Stall- Flaps max)	48Mph 42KIAS
V _{S1} (Stall- Flaps 0)	64Mph 56KIAS
V _g (best glide/Flaps0)	85Mph 74KIAS
Max. demo. X-Wind	20 knots

COM FAIL

	Clear to Land	
	Return to Landing	
	Continue Circling	
	A/D unsafe, don't Land	
	Land at this A/D and proceed to Apron - wait for Clearance	

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OE-DLP (CESSNA 172)

18 Mixture	RICH
19 Propeller	HIGH RPM
20 Primer	AS REQ.
21 Aux. Fuel Pump	LOW

ENGINE START

1 Throttle	OPEN FF 2 GAL
2 Propeller Area	CLEAR
3 Starter	ENGAGE
4 Aux. Fuel Pump	OFF
5 Oil Pressure	RISING
6 Throttle	1000 rpm

BEFORE TAXI

1 Oil Pressure	CHECK
2 Aux. Fuel Pump	CHECK OFF
3 Engine instrument	CHECK
4 Primer	LOCK
5 Avionic Master	ON
6 Avionics (4x)	ON
7 Nav Aids GPS	SET
8 Ampere Meter	LOADING
9 Horizon & Gyro	SET
10 Flaps	CHECK TRAV.
11 Transponder	ON
12 Taxi Area & Wings	CLEAR
Steering	CHECK
Breaks	CHECK
Flight Instruments	CHECK

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BEFORE TAKEOFF

1 Parking Brake	SET
2 Departure Briefing	COMPL.
3 Cabin Window	CLOSE
4 Fuel Selector Valve	BOTH
5 Flight Controls	CHECK
6 Eevator Trim	SET
7 Hor. Altimeter Gyro	RECHECK
8 Flight Instrument	CHECK
9 Throttle	1800 rpm
10 Magn. Diff max 50	CHECK
11 Prop. Cycle one	HIGH
12 Engine Instrum.	CHECK
13 Ampere Meter	CHECK
14 Suc. Gauge 4,6-5,4	CHECK
15 Throttle	1000 rpm
16 Flaps	SET FOR T/O
17 Pitot Haeter	AS REQ.
18 Transponder	ALT
19 Landing Light	ON
20 Approach Sector	CLEAR
21 Breaks	RELEASE

Front Fuselage	
39 Propeller Surface	CHECK
40 Spinner	CHECK
41 Air Inlets	CHECK

5. Nose Gear	
42 Nose Wheel Tire	CHECK
43 Nose Gear Strut	CHECK
44 Wheel Fairing	CHECK
45 Tire Condition	CHECK
46 Pressure	CHECK
49 Position Mark	CHECK

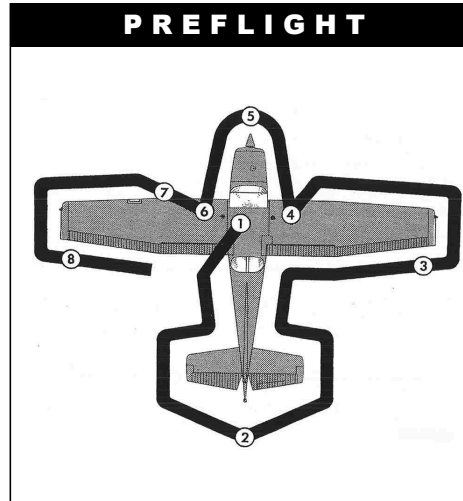
Engine Bay	
50 Air Inlets	CLEAN
51 Altern. Belt Tension	CHECK
52 Engine Oil Level	CHECK
53 Fuel Strainer	DRAIN

6. Left Main Gear	
54 Wheel Fairing	CHECK
55 Tire Condition	CHECK
56 Pressure	CHECK
57 Position Mark	CHECK

7-8 Left Wing	
58 Fuel Vent Line	CHECK
59 Stall Warning	CHECK
60 Wing Surface	CHECK
61 Wing Tip	CHECK
62 Position Light	CHECK

63 Aileron	CHECK
64 Wing Flap	CHECK
65 Fuel Filler Cap	CHECK
66 Fuel Sump	DRAIN
67 Brake Hydraul. Line	CHECK
68 Tow Bar	STOW
69 Baggage	SECURE
70 Baggage Door	CLOSE
71 Check Protocol	COMPLETE

BEF. ENGINE START	
1 Preflight Check	COMPLETED
2 Passenger	BRIEFING
3 Baggage Tow Bar	SECUR
4 Doors	CLOSE / LOCK
5 Seat & Seatbelts	ADJUST
6 Parking Break	SET
7 Flight Controls	CHECK
8 Clock	SET
9 Altimeter	SET
10 All Switches	OFF
11 Circuit Breakers	CHECK
12 Engine Counter	NOTE
13 Fuel Selector Valve	BOTH
14 Fuel Shutoff Valve	OPEN
15 Master Switch	ON
16 Fuel Quantity	CHECK
17 Rotating Beacon	ON



1. Cabin	
1 Tow Bar	REMOVE
2 Pitot Cover	REMOVE
3 Control Lock	REMOVE
4 Ignition	OFF
5 Electr. Equipment	OFF
Master Switch	ON
Fuel Gauges	CHECK
Pitot Heat	ON
Amp Meter	CHECK
Interior Lights	CHECK
Exterior Light	ON
Pitot Heat Temp.	CHECK
Pitot Heat	OFF
Exterior Lights	OFF
Master Switch	OFF
16 Fuel Selector Valve	BOTH
17 Fuel Shutoff Valve	OPEN

Fuselage (Left)	
18 Antennas	CHECK
19 Baggage Door	CHECK
20 Static Port	CHECK

2. Tail	
21 Elevator Rudder	CHECK
22 Trim Tab	CHECK
23 Position Light	CHECK

Fuselage (Right)	
24 Static Port	CHECK

3. Right Wing	
25 Wing Flap	CHECK
26 Aileron	CHECK
27 Wing Tip	CHECK
28 Position Light	CHECK
29 Wing Surface	CHECK
30 Fuel Filler Cap	CHECK
31 Fuel Sump	DRAIN

4. Right Main Gear	
31 Wheel Fairing	CHECK
33 Tire Condition	CHECK
35 Pressure	CHECK
37 Position Mark	CHECK
38 Brake Hydraul. Line	CHECK

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TAKEOFF BRIEFING

BRIEFING BEFORE T/O

- Normal T/O from RWY
- X-Wind Kts from Left/Right
- V(R) by Mph bef/after Mid Field
- Inital Climb Mph until ft
Thereafter Mph
- Landing Area Obstacles are

Emergency Landing

- Max Heading change 45° Left/Right

EMERGENCY / FIRE BEF. T/O

1 Power	IDLE
2 Brakes	FULL APPLY
3 Mixture	IDLE CUT OFF
4 Fuel Valve	OFF
5 Ignition	OFF
6 ATC	INFORM
7 ALT / BAT - Master	OFF

EMERGENCY AFTER T/O

1 Speed	70 MpH
2 Mixture	OFF
3 Fuel Selector	OFF
4 Ignition	OFF
5 Flaps	DOWN
6 ALT / BAT - Master	OFF
7 Doors	UNLOCK

LINE UP / TAKEOFF

1 Runway	IDENTIFY
2 Gyro RW Heading	CHECK
3 Power Lever	FULL
4 T/O Power	CHECK
5 Rotate (VR)	60 MpH

CLIMB

1 Climb Speed	90 MpH
2 Flaps (500 ft AGL)	UP
3 Throttle 25 Inch	SET
4 RPM 2600	REDUCE
5 Mixture 13 Gal	REDUCE
6 Landing Light	OFF
7a (V _Y) / Flaps 0	95 MpH
7b (V _X) / Flaps 0	70 MpH
7c En Route	105 MpH
8 Oil Temperature	CHECK

CRUISE

1 Throttle	AS REQ.
2 RPM	ADJUST
3 Mixture	LEAN
4 Periodical FRED A	CHECK

POWER SETTING

Press Alt	Cruise TAS (mph/kt)		65%		Cons.	Endurance
	55%	65%	RPM	MP		
2.500	123/107	132/114	2.400	23	8,6 G/hr	05:20 hrs
5.000	124/108	135/117	2.400	22,5	10 G/hr	04:35 hrs
7.500	126/109	138/120	2.500	21	11,4 G/hr	04:01 hrs
10.000	130/113	140/121	2.600	19,5		

LIMITATIONS

Max. TKOF RPM	2800 RPM
Max. cruise RPM	2600 RPM
Max. fuel on board	52 USG
Max. usable fuel	46 USG 125 kp

Max. TKOF weight	1157 kp
Empty weight	732 kp
Max. load incl. fuel	425 kp
Max. load with full tank	300 kp
Max. baggage weight	91 kp

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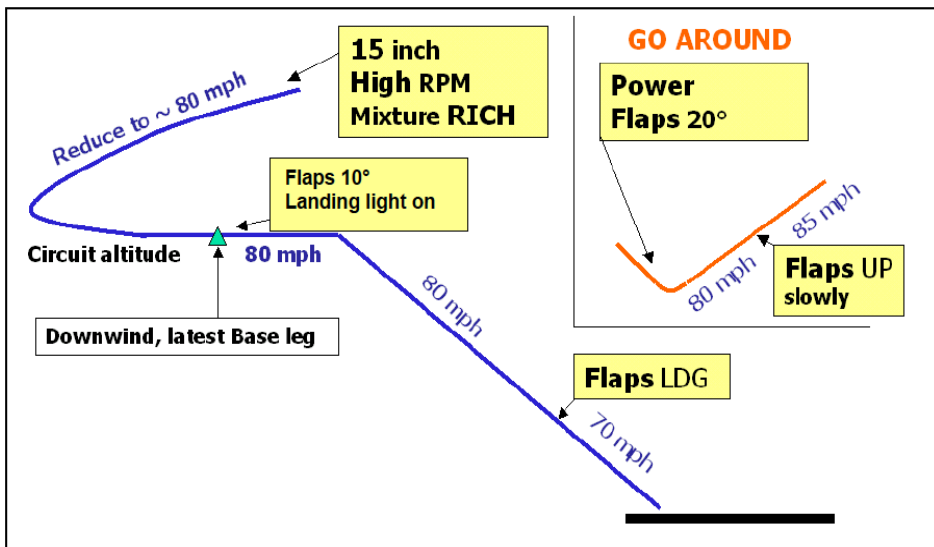
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SPEEDS	Mph	KIAS
Best gliding angle (Flaps 0°)	85	74
Best angle of climb (V _X)	70/85	61/74
Best rate of climb (V _Y)	95	82
Cruising climb speed	105	91
Rotating speed	60	52
Max. flap speed (V _{FE})	100	87
Landing speed Flaps 0°	80	70
Landing speed Flaps 10°- 40°	70	61
Stall speed (V _{S0})	53	46
Stall speed (V _{S1})	64	56
Max. cruising speed (V _{NO})	146	127
Never exceed speed (V _{NE})	185	160
Maneuvering speed (V _A)	125	108
Max. turbulence speed	146	127

LANDING PROCEDURE



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DESCENT	
1 Com / Nav	SET
2 Landing Data	RECEIVED
3 Altimeter	SET
4 Gyro	SET
5 Fuel Selector	BOTH
6 Appr. Briefing	COMPL.

AFTER LANDING	
1 Flaps	UP
2 Transponder	ON or SBY
3 Pitot Heat	OFF
4 Landing - Taxi Light	CHANGE
5 Flight Plan (if filed)	CLOSE

LANDING	
1 Throttle 15 Inch	REDUCE
2 Propeller 2600 rpm	SET
3 Mixture	RICH
4 Normal Approach	80 Mph
5 Flaps for Landing	SET
6 Landing Light	ON
7 Propeller	HIGH RPM
8 Lndg Spd 10° - 40°	70 Mph
9 Over Threshold	70 Mph
GO AROUND	
Propeller	HIGH
Throttle	FULL OPEN
Flaps 20°	SLOW UP
Best Angle	70 - 85 Mph
Flaps 10°	SLOW UP

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SHUT DOWN	
1 Parking Break	AS REQ.
2 ELT 121,5	CHECK
3 GPS Trip Time	CHECK
4 Avionics (4x)	OFF
5 Avionics Master	OFF
6 Taxi Light	OFF
7 Ignition Ground	CHECK
8 Magn. Momentary	OFF / BOTH
9 Mixture Idle Cut	OFF
10 Ignition	OFF
11 Rotating Beacon	OFF
12 Master Switch	OFF
13 Fuel Shutoff Valve	CLOSE
14 Engine Counter	NOTE
15 Control Wheel Lock	INSTALL
16 Pitot Cover	INSTALL
17 Tie down	INSTALL

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