

Airspeeds for Normal Operations

TAKEOFF

- V_x Flaps UP 55 KIAS
- V_y Flaps UP 67 KIAS
- Short Field, Flaps 10°, 50 ft 54 KIAS
- Cruise - Climb Flaps UP 70-80 KIAS

LANDING

- Flaps UP 60-70 KIAS
- Flaps FULL 55-65 KIAS
- Short Field Flaps FULL 54 KIAS
- Max. demo X-Wind 12 knots
- V_{FE} 85 KIAS

CRUISE

- V_A Maneuvering 93-104 KIAS
- V_{NO} Max turbul. Air 111 KIAS
- V_{NE} Max Airspeed 149 KIAS
- Max. Window open speed 149 KIAS

Airspeeds for Emergency Operations

- V_A Maneuvering 93-104 KIAS
- Eng. Failure Flaps UP 65 KIAS
- Eng. Failure Flaps FULL 60 KIAS



Aircraft Checklist

MFU - Pilotenclub - LOAV



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OE-CFF

REIMS/CESSNA 152

MTOM = 758 kg / 1671 lb

A/C-Size: W: 10.1m H: 2.6m L: 7.3m

OPERATOR

MFU Pilotenclub

A-2542 Köttingbrunn

Flugplatz 1, Top 1

www.mfu-pilotenclub.at

+43 2252 77340

FPL (EXAMPLE)

7	A/C ID	OE-CFF
8	Flight Rules	V
	Type of Flight	G
9	Type of A/C	C152
	Wake Turbul. Cat.	L
10	Equipment	SY/S
13	Departure A/D	LOAV
	Departure Time	0830
15	Speed	N0100
	Flight Level	VFR
	Route	RADLY
16	Destination A/D	LJPZ
	Total EET	0220
	Alternate A/D	LOWG
18	Other Info	EET/RADLY0100
19	Endurance	0400
	Persons on Bord	2
	Emerg. Equipm.	ELT
	A/C Colour	WHITE RED
	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 	Super Plus98 ETBE
Fuel (alt..)*	AVGAS 100LL
Max. Fuel	98L / 26gal
Unus. Fuel	6L / 1.5gal

*) If alternative Fuel used → Entry in A/C LOG

OIL

Shell Aero 	15W-50
Minimum	4 quarts
Maximum	6 quarts

TIRE

Front Tire	30 psi / 2.07 bar
Main Tires	21 psi / 1.45 bar

SPEED

V _{S0} (Stall- Flaps max)	35 KIAS
V _G (best glide/Flaps up)	60 KIAS
Max. Demo. X-Wind	12 knots

COM FAIL

	Clear to Land
	Return to Landing
	Continue Circling
	A/D unsafe, don't Land
	Do not Land
	Do not Land

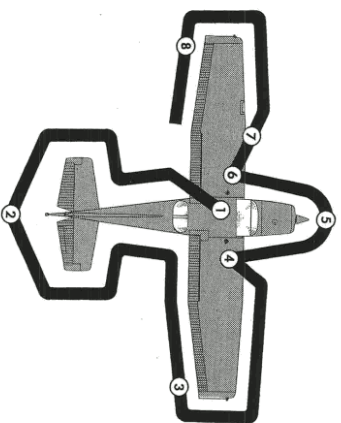
 Consult POH/AFM for "Warnings, Cautions and additional information"

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PREFLIGHT



14 Fuel Tank	DRAIN
15 Fuel Quantity	CHECK
16 Fuel Filler Cap	SECURE
17 Wing Surface	Check
18 Flaps	Check

5 NOSE

5 NOSE	
19 Engine Oil Level	CHECK
20 Fuel Sump	DRAIN
21 Prop & Spinner	CHECK
22 Alternator Belt	TIGHT
23 Oil Cooler	CHECK
24 Landing Light	CHECK
25 Air Filter	CLEAR
26 Wheel Strut/Tire	CHECK
27 Static Port	CHECK

1 CABIN

1 CABIN	
1 POH	ACCESSIBLE
2 Gust Lock	REMOVE
3 Ignition	OFF
Master ALT/BAT	ON
Fuel Quantity	CHECK
Master ALT/BAT	OFF
7 Fuel Shutoff Valve	ON

2 FUSELAGE / EMPENNAGE

2 FUSELAGE / EMPENNAGE	
8 Tail Tiedown	DISCONNECT
9 Rudder Mounts	CHECK
10 Main Gear	CHECK

3/4 RIGHT WING

3/4 RIGHT WING	
11 Aileron	CHECK
12 Wing Tiedown	DISCONNECT
13 Main Gear	CHECK

6/7/8 LEFT WING	
28 Main Gear	CHECK
29 Fuel Tank	DRAIN
30 Fuel Quantity	CHECK
31 Fuel Filler Cap	SECURE
32 Pitot Tube	CHECK
33 Fuel Tank Vent	CHECK
34 Wing Tiedown	DISCON
35 Stall Warning	CHECK
36 Wing Surface	CHECK
37 Aileron	CHECK
38 Flaps	CHECK
39 Tow Bar	STOW

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CRUISE PERFORMANCE

Please Note:

Aircraft Weight

Mixture set Lean

758 Kp

According to POH

Druck- höhe ft	U / min	20 °C unter Normtemperatur			Normtemperatur			20 °C über Normtemperatur		
		BHP %	TAS kn	Kraftst. l/h	BHP %	TAS kn	Kraftst. l/h	BHP %	TAS kn	Kraftst. l/h
2000	2400	---	---	---	75	101	23,1	70	101	21,6
	2300	71	97	21,6	66	96	20,4	63	95	19,3
	2200	62	92	19,3	59	91	18,2	56	90	17,4
	2100	55	87	17,0	53	86	16,3	51	85	15,9
4000	2000	49	81	15,5	47	80	14,8	46	79	14,4
	2450	---	---	---	75	103	23,1	70	102	21,6
	2400	76	102	23,1	71	101	21,6	67	100	20,4
	2300	67	96	20,4	63	95	19,3	60	95	18,5
6000	2200	60	91	18,2	56	90	17,4	54	89	16,7
	2100	53	86	16,7	51	85	15,9	49	84	15,1
	2000	48	81	14,8	46	80	14,4	45	78	14,0
	2500	---	---	---	75	105	23,1	71	104	21,6
8000	2400	72	101	22,0	67	100	20,4	64	99	19,7
	2300	64	96	19,7	60	95	18,5	57	94	17,8
	2200	57	90	17,4	54	89	16,7	52	88	16,3
	2100	51	85	15,9	49	84	15,1	48	83	14,8
10.000	2000	46	80	14,4	45	79	14,0	44	77	13,6
	2550	---	---	---	75	107	23,1	71	106	21,6
	2500	76	105	23,5	71	104	22,0	67	103	20,4
	2400	68	100	20,8	64	99	19,7	61	98	18,5
12.000	2300	61	95	18,9	58	94	17,8	55	93	17,0
	2200	55	90	17,0	52	89	16,3	51	87	15,9
	2100	49	84	15,5	48	83	14,8	46	82	14,4
	2500	72	105	22,0	68	103	20,8	64	103	19,7
	2400	65	99	20,1	61	98	18,9	58	97	18,2
	2300	58	94	17,8	56	93	17,0	53	92	16,7
	2200	53	89	16,3	51	88	15,9	49	86	15,1
	2100	48	83	15,1	46	82	14,8	45	81	14,4
	2450	65	101	20,1	62	100	18,9	59	99	18,2
	2400	62	99	18,9	59	97	18,2	56	96	17,4
	2300	56	93	17,4	54	92	16,7	52	91	16,3
	2200	51	88	15,9	49	87	15,5	48	85	15,1
2100		47	82	14,8	45	81	14,4	44	79	14,0

BEF. ENGINE START

1	Preflight Inspection	COMPL
2	Passenger Briefing	COMPL
3	Seats/Seat Belts	ADJUST/LOCK
4	Fuel Shutoff Valve	ON
5	Avionics	OFF
6	Brakes	TEST & SET
7	Circuit Breakers	CHECK IN

ENGINE START

1	Mixture	RICH
2	Carburetor Heat	COLD
3	Prime	3-6 STROKES
4	Throttle	OPEN 1.2cm
5	Prime	NO PRIME
6	Throttle	CLOSE
7	Primer	LOCKED
8	Prop Area	CLEAR
9	Master ALT/BAT	ON
10	Beacon	ON
11	Ignition	START
12	Throttle max.	1000 rpm
13	Oil Press. < 30 sec	CHECK
14	Avionics	ON

BEFORE TAXI

1	Flight Instruments	SET
2	Avionics, GPS	SET
3	Parking Brakes	RELEASE
4	Brakes	CHECK
5	Steering	CHECK
6	Flight Instruments	CHECK

BEFORE TAKEOFF

1	Brakes	SET
2	Cabin Doors	CLOSE LOCK
3	Flight Controls	FREE
4	Fuel Shutoff Valve	ON
5	Mixture	RICH
6	Trim	TAKEOFF
7	Throttle	1700 rpm
8	Magnetos B-R-L-B 125/50	CHECK
9	Carburetor Heat	CHECK
10	Engine Instruments	CHECK
11	Ammeter Loading	CHECK
12	Suction Gauge	CHECK
13	Transponder	SET ALT
14	Throttle Friction	ADJUST
15	Throttle	IDLE
16	Departure Briefing	COMPL
17	T/O Briefing	COMPLETE
18	Brakes	RELEASE

LINE UP / TAKEOFF

1	Before T/O Check	COMPLETE
2	Landing Lights	AS REQ
3	Approach Sector	CLEAR
4	Runway Heading	CONFIRM
5	Flaps	0-10°
6	Carburetor Heat	COLD
7	Throttle	FULL FWD
8	Take Off Power Values	CONFIRM
9	Rotate	50 KIAS
10	Climb Speed	65-75 KIAS
11	400ft AGL Safe Speed	FLAPS UP

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OE-CFF (REIMS/CESSNA 152)

SHORT FIELD / TAKEOFF		
1 Flaps	10 °	
2 Carburetor Heat	COLD	
3 Brakes	SET	
4 Mixture	RICH	
5 Throttle	FULL FWD	
6 Brakes	RELEASE	
7 Elevator	NOSE UP	
8 Rotate	50 KIAS	
9 Climb Speed	54 KIAS	
10 400ft AGL Safe Speed	FLAPS UP	
11 Climb Speed	> 60 KIAS	

CLIMB		
1 Airspeed	70-80 KIAS	
2 Throttle	FULL FWD	
3 Engine Instruments	CHECK	
4 Flaps	CHECK UP	
5 Landing Light	OFF	
6 Trim	AS REQ	
7 Mixture	AS REQ	

CRUISE		
1 Throttle	AS REQ	
2 Trim	AS REQ	
3 Mixture	LEAN	
4 Avionics	CHECK	

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OE-CFF (REIMS/CESSNA 152)

DESCENT		
1 Power	AS REQ	
2 Mixture	AS REQ	
3 Carburetor Heat	AS REQ	

LANDING		
1 Seats & Belts	ADJUST LOCK	
2 Mixture	RICH	
3 Carburetor Heat	ON	
4 LDG Light	ON	
5 Airspeed	60-70 KIAS	
6 Flaps	AS REQ	
7 Speed Flaps 30 °	55-65 KIAS	
8 Touchdown	MAIN GEAR	
9 Brakes	MINIMUM	
Throttle	FULL FWD	
Carburetor Heat	OFF	
Flaps	20 °	
Airspeed	55 KIAS	
Flaps	10 °	
400ft AGL Safe Speed	FLAPS UP	
Climb Speed	> 60 KIAS	

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SHORT FIELD LANDING		
1 Airspeed	60-70 KIAS	
2 Flaps	30 °	
3 Airspeed	54 KIAS	
4 Power	AS REQ	
5 Touchdown	MAIN GEAR	
6 Brakes	APPLY	
7 Flaps	UP	
Throttle	FULL FWD	
Carburetor Heat	OFF	
Flaps	20 °	
Climb Speed	55 KIAS	
Flaps	10 °	
400ft AGL Safe Speed	FLAPS UP	
Climb Speed	60 KIAS	

AFTER LANDING		
1 Carburetor Heat	OFF	
2 Flaps	UP	
3 Transponder	STANDBY	
4 LDG Light	OFF	

SHUT DOWN		
1 Parking Brake	AS REQ	
2 Flight Plan	CLOSE	
3 Avionics	OFF	
4 Electr. Equipment	OFF	
5 Throttle	1000 rpm	
6 Mixture	IDLE CUTOFF	
7 Magnetos	OFF	
8 Beacon	OFF	
9 ELT (121,5 MHz)	CHECK	
10 Master ALT/BAT	OFF	
11 Flight Logger	SLIDE CARD	

SECURING ACFT		
1 Ignition Key	REMOVE	
2 All Switches OFF	CHECK	
3 Parking Brake	AS REQ	
4 Primer	LOCKED	
5 Control Wheel Lock	AS REQ	
6 Mooring	AS REQ	

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