



PILOTENCLUB WIEN
Wiener Luftfahrerverband

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OE-KBS (PIPER P28A)

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OE-KBS

PIPER P28A / GNS 430

MTOW: 1.157 kg / 2.550 lb

A/C-Size: W: 10,7 m H: 2,3 m L: 7,2 m

FPL (EXAMPLE)		
7	A/C ID	OE-KBS
8	Flight Rules	V, I, Y, Z
	Type of Flight	G
9	Type of A/C	P28A
	Wake Turbul. Cat.	L
10	Equipment	DFGRSY / S
13	Departure A/D	LOAV
	Departure Time	0830
15	Speed	N0110
	Flight Level	VFR
	Route	RADLY
16	Destination A/D	LJPZ
	Total EET	0200
	Alternate A/D	LOWG
18	Other Info.	EET/RADLY0045 PBN/B2C2D2O2S1
19	Endurance	0500
	Persons on Bord	1 - 4
	Emerg. Equipm.	ELT
	A/C Colour	GREY / RED
	Name PIC	NAME / TEL

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OPERATOR	Motorflug Union - Wien	
	A-2540 Bad Vöslau, Flugplatz	
	3fly.at: +43 2252 77340	

CONTACT	Tower LOAV	+43 1 900729201
	Maintenance LOAV	+43 2252 790894
	A I S	+43 51703 3211
	M E T	+43 51703 3443

FUEL	Fuel	Super Plus98 ETBE
	Fuel (alternative)*	AVGAS 100LL
	Maximum Fuel	189 L / 50 gal
	Unusable Fuel	7,6 L / 2 gal

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

OIL	Shell Aero	15W-50
	Minimum	4 Qts 3,8 Ltr
	Maximum	8 Qts 7,6 Ltr

TIRE	Front Tire	18 psi / 1,24bar
	Main Tires	24 psi / 1,65bar

SPEED	V _{SO} (Stall- Flaps max)	49 KIAS
	V _G (best glide, Flaps up)	76 KIAS
	Max. Demo. X-Wind	17 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	

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

This document does not replace POH / AFM - (KBS 2018 V1.6)

BEFORE TAXI		
1 Avionic Master	ON	
2 Annunc. Panel	PRESS	
3 Fuel Pump	OFF	
4 Landing Light	AS REQ	
5 GPS Selftest	CHECK	
6 GPS after Selftest	ENTER	
7 Slaving System	SLAVED	
8 Flight Instruments	SET	
9 Taxi Area	CLEAR	
10 Parking Brake	RELEASE	
TAXI	Throttle apply	SLOWLY
	Brakes	CHECK
	Steering	CHECK
	Turn & Bank Ind.	CHECK

BEFORE TAKEOFF	
1 Parking Brake	SET
Throttle	2.000 rpm
Oil Pressure	CHECK
Oil Temp	CHECK
Magnetos R-B-L-B	175 / 50 rpm
Carburetor Heat	CHECK
Vacuum	5 +/- 0.1 HG
Fuel Pump	CHECK / OFF
Fuel Pressure	CHECK
Throttle - IDLE	CHECK
Throttle	1.000 rpm

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12 Artificial Horizon	ADJUST
13 Flight Instruments	CHECK / SET
14 Radios / Nav / GPS	SET
15 CDI Source	SELECT
16 Fuel Pump	ON
17 Landing Light	AS REQ
18 Pitot Heat	AS REQ
19 Mixture	FULL RICH
20 Carburetor Heat	CHECK / OFF
21 Primer	LOCKED
22 Fuel Selector	RIGHT TANK
23 Flaps (10°/25°/40°)	CHECK
24 Flaps	AS REQU.D.
25 Trim Tab	SET for T/O
26 Controls	FREE
27 Door	LATCHED
28 Seatbel. / Harness	FASTEN / ADJ.
29 Departure Briefing	COMPL
30 T/O Briefing	COMPL
31 Approach Sector	CLEAR
32 Parking Brake	RELEASE

LINE UP / TAKEOFF	
1 Runway Heading	CONFIRM
2 Transponder	ALT
3 Engine Gauges	CHECK
4 Landing Light	AS REQ
5 Flaps	AS REQU.D.
6 Throttle	FULL FWD
7 Rotate	52 - 65 KIAS

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BEF. ENGINE START

1 Outside Check	COMPL
2 Tow Bar, Chocks	REMOVED
3 Cabin Door	CLOSE / LOCK
4 Seat Belts	FASTENED
5 Avionic Master	CHECK / OFF
6 Circuit Breakers	CHECK / IN
7 Carburetor Heat	CHECK / OFF
8 Fuel Selector	DESIR. TANK
9 Alternate Static	CLOSED
10 Alternate Vacuum	PUSH IN

ENGINE START

1 Parking Brake	SET
2 Master ALT/BAT	ON
3 Verify Pump A	AUDIBLE
4 Fuel Pressure	VERIFY
5 Verify Pump B	AUDIBLE
6 Fuel Pressure	VERIFY
7 Fuel Pumps	VERIFY OFF
8 ACL	ON
9 Mixture	FULL RICH
COLD - Prime	3 - 6 STROKES
- Throttle	OPEN 7 mm
HOT - Throttle	OPEN 13 mm
13 Primer	LOCKED
14 Fuel Pump	ON
15 Prop Area	CLEAR
16 Starter	ENGAGE

17 Throttle 1.000 rpm	ADJUST
18 Oil Pressure	CHECK
19 Warm Up at	800 - 1200 rpm
20 Nav Lights	ON IF REQ

FLOODED ENGINE START

1 Throttle	FULL FWD
2 Master ALT/BAT	ON
3 Fuel Pump	OFF
4 ACL	ON
5 Mixture	IDLE CUT-OFF
6 Prop Area	CLEAR
7 Starter	ENGAGE
8 Mixture	FULL RICH
9 Throttle	RETARD
10 Oil Pressure	CHECK
11 Warm Up at	800 - 1200 rpm
12 Nav Lights	ON IF REQ

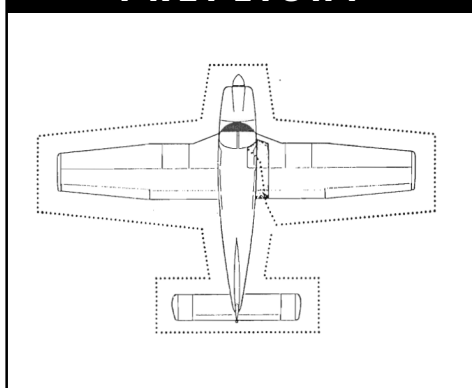
ENGINE START - Ext. Power

1 Master ALT/BAT	OFF
2 All Electr. Equipm.	OFF
3 Piper Ext. Power	INSERT
4 Engine Start	PROCEED
5 Throttle	LOWEST RPM
6 Piper Ext. Power	DISCONNECT
7 Master ALT/BAT	ON
8 Oil Pressure	CHECK
9 ACL	ON
10 Ammeter	CHECK
11 Nav Lights	ON IF REQ

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PREFLIGHT



OUTSIDE

1 Fuel Tank Sumps	2 x DRAIN
2 Eng. Fuel Strainer	DRAIN
3 Pitot Cover	REMOVE

CABIN

4 Req. Documents	ON BOARD
5 Avionics Master	CHECK / OFF
6 Ignition	OFF
Master BAT	ON
Fuel Quantity	CHECK
Nav Lights	CHECK IF REQ
Landing Light	CHECK
ACL	CHECK
Pitot Heat	CHECK
Panel Light	CHECK
Stall Warning	CHECK
Master BAT	OFF

BATTERY

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OUTSIDE CONT.

15 Exterior / Damage	CHECK
16 Control Surfaces	CHECK
17 Hinges	CHECK
18 Wings (Ice, Snow)	CHECK
19 Fuel Tank Quantity	CHECK
20 Fuel Vents (Open)	CHECK
21 Main Gear Struts	CHECK
22 Tires	CHECK
23 Brake Blocks	CHECK
24 Pitot Head	CHECK
25 Windshield	CLEAN
26 Propeller / Spinner	CHECK
27 Fuel & Oil (Leaks)	CHECK
28 Oil-Level (4 - 6 Qts)	CHECK
29 Oil-Dipstick	SECURE
30 Cowling	SECURE
31 Inspection Covers	SECURE
32 Nose Wheel Tire	CHECK
33 Nose Gear Strut	CHECK
34 Air Inlets	CLEAR
35 Alternator Belt	CHECK
36 Tow Bar	STOW
37 Baggage	SECURE
38 Baggage Door	CLOSE
39 Prim. Flight Contr.	PROPER OP

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SHORT FIELD T/O	
1 Flaps	25°
2 Rotate	41 - 49 KIAS
3 After brk Ground	45 - 54 KIAS
4 Accelerate to	64 KIAS
5 After pass. Obst	FLAPS 10°
6 Flaps retr. slowly	UP
7 Accelerate to	76 KIAS

CRUISE	
1 Cruise Power	AS REQ
2 Trim	ADJUST
3 Mixture	ADJUST
4 Fuel Pump	OFF
5 Fuel Sel. 30 min	SWITCH
6 Fuel Level-Right Tank	MIN 1/4 FULL

SOFT FIELD T/O	
1 Flaps	25°
2 Rotate	41 - 49 KIAS
3 After T/O acceler.	45 - 54 KIAS
4 Accelerate to	76 KIAS
5 Flaps retr slowly	UP

NORMAL DESCENT	
1 Throttle (if Req.)	2500 rpm
2 Airspeed	122 KIAS
3 Mixture	RICH
4 Carburetor Heat	ON IF REQ
5 Fuel Selector	RIGHT TANK
6 Appr. Briefing	COMPL

CLIMB	
1 Flaps (500 ft AGL)	UP
2 Climb Speed	76 KIAS
3 Landing Light	OFF
4 Engine Gauges	CHECK
5 Trim	AS REQ
6 Vy Flaps up	76 KIAS
7 Vx Flaps up	64 KIAS
8 En Route Climb	87 KIAS
9 Mixture	AS REQ
10 Oil Temperature	CHECK

POWER OFF DESCENT	
1 Carburetor Heat	ON IF REQ
2 Throttle	CLOSE
3 Airspeed	AS REQ
4 Mixture	AS REQ
5 Fuel Selector	RIGHT TANK
6 Power	verify with Throttle ↪ every 30 sec

NORMAL AIRSPEEDS

TAKEOFF

	V _(R)	52 - 65 KIAS
	V _(X) Flaps UP	64 KIAS
	V _(Y) Flaps UP	76 KIAS
	Cruise - Climb Flaps UP	87 KIAS

LANDING

	Normal Descent	122 KIAS
	Normal Approach Speed	75 KIAS
	Final Approach Speed 40° Flaps	66 KIAS
	Maximum Flap Speed	102 KIAS
	Maximum Demonstrated Cross-Wind	17 KTS

CRUISE

	V _(A) Maneuvering	89 - 113 KIAS
	V _(NO) Max Turbulent Air	125 KIAS
	V _(NE) Max Airspeed	154 KIAS

AIRSPEEDS FOR EMERGENCY

V _(A) Maneuvering Speed @ 2550 lbs	_____	113 KIAS
V _(A) Maneuvering Speed @ 1634 lbs	_____	89 KIAS
V _(B) Turbulent Air Penetration Speed	_____	113 KIAS

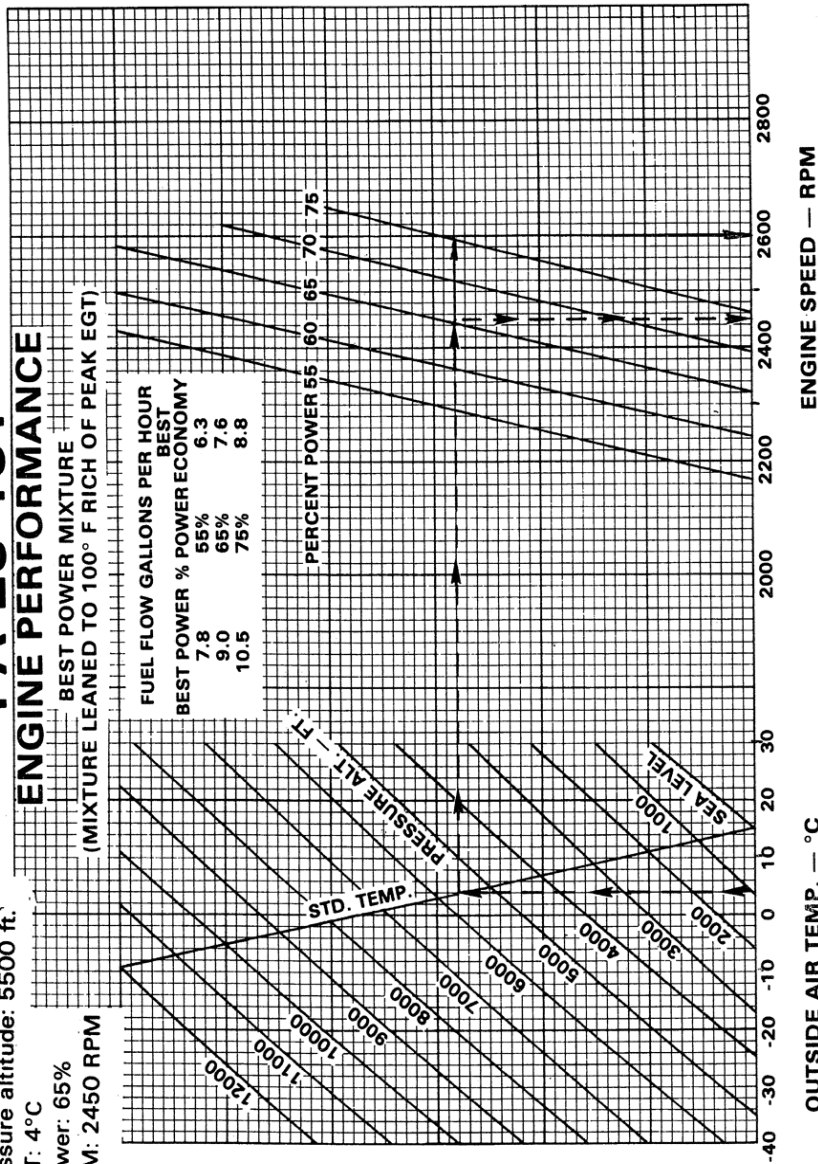
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PA-28-181

Example:
 Cruise pressure altitude: 5500 ft.
 Cruise OAT: 4°C
 Percent power: 65%
 Engine RPM: 2450 RPM



LANDING	
1 Fuel Selector	RIGHT TANK
2 Fuel Pump	ON
3 Seat Backs	ERECT
4 Belts & Harness	ADJUST
5 Landing Light	AS REQ
6 Mixture	RICH
7 Carburetor Heat	ON IF REQ
8 Approach Speed	102 KIAS MAX
9 Flaps	SET
10 Normal Approach	75 KIAS
11 Flaps Final	40°
12 Final APP Spd	66 KIAS

SHUT DOWN	
1 Parking Brake	SET IF REQ
2 Avionic Master	OFF
3 NAV Light	OFF
4 Landing Light	OFF
5 Panel Light	OFF
6 Throttle	FULL AFT
7 Mixture	IDLE CUT/OFF
8 ACL	OFF
9 Magnetos	OFF
10 Master ALT/BAT	OFF
11 Flaps	CHECK UP

GO AROUND	
Throttle	FULL FWD
Carburetor Heat	OFF
Flaps (retr. slowly)	10°
Best Angle	65 - 68 KIAS
Clear of Obstacles	FLAPS UP

AFTER LANDING	
1 Transponder	STANDBY
2 Fuel Pump	OFF
3 Pitot Heat	OFF
4 Carburetor Heat	OFF
5 Flaps	RETRACT

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