



Before Starting Engine

Outside inspection	completed
Ship's papers & manual	on board
Weight & Balance	in limits
Loose equipment	stowed
Canopy	closed & latched
Seatbelts	adjusted / fastened
Flight controls	free
Flaps	up
Parking brake	set

Starting Engine

Master switch	on
Ignition switch	on (1e right)
Fuel tank selector valve	Left tank
Fuel gauge selector	Left tank (check R)
Fuel pump	on - chk pressure
Fuel pump	off
Cool valve (Blue)	open (in)
Carburator heat (Yellow)	cold (in)
Propellor pitch	full fine (max green light)
Choke (cold start)	open
Throttle (cold start)	closed
Magnetos	on
Propellor area	clear
Ignition switch	start

After Starting

Throttle	2,000 rpm
Choke	closed
Oil pressure	check
Throttle (after 2 mins)	2,500 rpm
ACL-Horizon-Gyro	on
Radio	on
Transponder	on and standby
Time & counter	check

During Taxiing

Brakes	check
Flight instruments	check

Before Take-off Checks

Parking brake	set
Fuel pump	on
Fuel tank selector valve	check left tank
Trim	neutral
Propellor pitch	full fine (max green light)
Flaps	take-off (1e pos.)
Cool valve (Blue)	open (in)
Carburator heat (Yellow)	cold (in)
Oil temperature	check >50°C

Engine Check

Throttle	3,000 rpm
Magnetos	check drop L+R max. 150 rpm diff. max. 50 rpm
Carburator heat	chk air box indic.
Throttle	idle (chk rpm)
Throttle	2,500 rpm
Engine & flight instruments	check
Directional gyro	check heading
Parking brake	release

Take-off

Stick	neutral
Direction	rudder
Rotation speed	80 - 85 km/h
Climb speed	120 km/h
Flaps	up at 150 ft.
Throttle	5,000 rpm
Fuel pump	off

Downwind Checks

Throttle	manifold ± 16-19"
Speed	130 km/h
Fuel pump	on
Fuel tank selector valve	left tank
Propellor pitch	full fine (max. green light)
Flaps	15° (1e pos)

Baseleg Checks

Throttle	manifold ± 13"
Flaps	24° (2e pos)

On Final Checks

Speed	110 - 120 km/h
Flaps	38° (3e pos - full)

After Landing

Flaps	up
Fuel pump	off
Carburator heat	cold
Trim	neutral

Switching Off Engine

Parking brake	set
All electrical switches	off
Radio	off (push & hold)
Transponder	off (push & hold)
Magnetos	off (both)
Ignition	off
Master switch	off
Time, counter & log	check & complete



Power Setting Indications

	Manifold	RPM	Fuel ltr/hr
Take off	27,5"	5.800	17,0
Max cruise	27,0"	5.500	15,5
75%	26,0"	5.000	13,0
65%	25,0"	4.800	12,0 (preferred)
55%	24,0"	4.300	10,0

Airspeed Limitations

		km/h	knots
Never Exceed	Vne	280	150
Normal Operating Limit	Vno	250	135
Rough Air	Vra	230	124
Maneuvering	Va	165	88
Max. Flap Extended	Vfe	140	75

Stall Speed

At MSL C.G. in 25% MAC, Idle

Flaps	0°	15°	38° (full)
IAS (km/h)	60	55	50

Take-off Performance

At MSL, Temp 15°C, Flaps 15°

Runway	Take-off Run	Take-off Distance up to 15 mtr
Paved	75 mtr	252 mtr
Grass	86 mtr	264 mtr

Landing Performance

At MSL, Temp 15°C, Flaps 38°, Using Brakes

Runway	Landing Distance over 15 mtr	Landing Run
Paved	267 mtr	152 mtr
Grass	258 mtr	144 mtr