



## BEFORE STARTING ENGINE

- METEO / NOTAM / DABS
- Mass & Balance
- Fuel / Oil / Caps
- Cabin / Pax / Baggage
- Seatbelts

### Departure Briefing

• Fuel shut-off valve	On
• Circuit breakers	In
• Controls	Full travel free → Frictions On
• Throttle	Full travel free/collective down
• Governor	On
• Mixture / Mixture guard	Full rich / Installed
• Primer	Down and locked
• Avionics / All switches	Off
• Clutch	Disengaged
• Rotor brake & Map light	Off

## STARTING ENGINE

- Rotorblades: level

• Master switch / Strobe light	On / OAT ↔ CAT
• COM on / Freq. / Vol Check	Headset On, 1 ear uncovered
• Area (left + right)	Clear
• Throttle twist for priming	Cold 10 / Warm 5
• <b>Throttle</b>	<b>Closed</b>
• Ignition switch	Start, then both
• Starter-On light	Out
• Set idle speed	55% / Oil pressure > 25 psi
• Clutch / Alternator	On / Alt light Off
• Blades turning	Less than 5 sec
• Carb heat	Full On
• Wait for clutch light: Out →	Verify clutch CB in
• Warm up	70-75% RPM
• Settings	COM/NAV/TX/ALT/Gyros/Flarm

## ENGINE RUN UP

• T's & P's warnings/cautions	Green, No warnings/cautions
• Mag drop @ 75% RPM	Max 7% in 2 sec
• Carb heat check	CAT: drop/rise RPM: rise/drop
• Sprag clutch check @ 75%	Needles split / idle ok
• Doors / seatbelts	Closed / On
• Frictions	Off
• Increase RPM manually	102-104%
• Low RPM Horn & Light	Checked @ 97%

## SHUTDOWN

• Coll. down, cyclic / pedals	Neutral
• Reduce RPM for cooling	75 % (CHT drop, 3':30")
• Frictions	On
• Throttle	Closed
• Clutch Switch	Disengage, Check light On
• Wait 30 sec	Pull idle cut-off, guard back
• Wait 1 min	Apply rotor brake if required
• Avionics / All switches	121.50 checked / Off

Immatriculation: \_\_\_\_\_

Empty weight: \_\_\_\_\_

Max TOM : \_\_\_\_\_

### LIMIT MANIFOLD PRESSURE - IN. HG

MAXIMUM CONTINUOUS POWER							
PRESS	OAT - °C						
ALT-FT	-20	-10	0	10	20	30	40
SL	21.5	21.8	22.1	22.3	22.6	22.9	23.2
2000	21.1	21.4	21.6	21.9	22.2	22.5	22.8
4000	20.7	21.0	21.2	21.5	21.8	22.0	22.3
6000	20.3	20.6	20.8	21.1	21.3	21.6	21.9
8000	19.9	20.2	20.4	20.7	20.9	FULL THROTTLE	

FOR MAX TAKEOFF POWER (5 MIN), ADD 0.9 IN. HG

### NEVER EXCEED SPEED - KIAS

PRESS	OAT - °C						
ALT-FT	-20	-10	0	10	20	30	40
SL	102						
2000							
4000	98			94	91	87	
6000	98	94	90	87	82	77	
8000	94	90	86	80	75	69	64
10000	86	80	74	68	62	57	
12000	74	67	61	NO FLIGHT			
14000	61	NO FLIGHT					

OUT OF GROUND EFFECT, ZERO WIND  
TAKEOFF POWER OR FULL THROTTLE  
104% RPM

