

**BEFORE****STARTING ENGINE**

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

STARTING ENGINE

- Rotorblades: level

Departure Briefing

• Fuel shut-off valve	On, guard installed
• Circuit breakers	In
• Controls	Full travel free → Frictions On
• Collective	Down
• Cab heat, anti-ice, pitot heat	Off
• HYD	On
• Avionics / All switches	Off
• Rotor brake & Map light	Off
• Master switch / Strobe light	On
• Headset	On, 1 ear uncovered
• Avionics switch & COM	On / Frequency / Volume
• Igniter (Key)	Enable
• Area (left + right)	Clear
• Fuel cutoff	PULL OFF
• Throttle	CLOSED
• Start button	Push and release
• N1	15%, increasing
• MGT	Below 150°C
• Fuel cutoff	Push in
• MGT rise within 3 seconds	Monitor, observe limits
• 25% N1	Main rotor rotating
• Oil pressure	Increasing
• N1	Stable at 65% to 67%
• Fuel cutoff guard	Install, begin timing idle
• Ground power (if used)	Disconnect
• Generator	On
• Settings	COM/NAV/TX/ALT/Gyros
• Annunciator panel test	All lights on
• Engine anti-ice check	Annunciator light
• Doors	Closed and latched
• Frictions	Off
• HYD	Checked / On
• Lift collective slightly	Low RPM horn
• Warm-up	Verify at least one minute idle
• Throttle	Slowly to full open, TQ 25%-50%
• N2/R	Stable at 100% (beep as req.)
• Annunciator lights	Out
• Engine gages	Normal operating range
• Coll. down, cyclic / pedals	Neutral
• Throttle closed	N1 deceleration check
• Frictions	On
• Cool down	Two minutes idle
• Fuel cutoff	Pull Off, monitor MGT
• Sprag clutch check	Verify N2/R needles split
• Wait one minute	Apply rotor brake if required
• Avionics / All switches	121.50 checked / Off

SHUTDOWN

Immatriculation: _____

Empty weight: _____

Max TOM: _____

POWER-ON V_{ne} - KIAS

PRESS ALT-FT	OAT- C°									
	-40	-30	-20	-10	0	10	20	30	40	50
SL	129									127
2000	124		130					126	122	
4000	119	127			129	125	121	117	114	
6000	114	122		125	121	117	113	108		
8000	109	117	121	116	112	107	102	97		
10000	105	112	112	106	101	96	91	86		
12000	100	106	101	95	90					
14000	96	95	89							
16000	90									

NO FLIGHT

BELOW 2200 LB (998 KG) TOGW, ADD 10 KIAS

NOTE: 65 KIAS MAXIMUM ABOVE 83% TORQUE

AUTOROTATION V_{ne} - KIAS

PRESS ALT-FT	OAT- C°									
	-40	-30	-20	-10	0	10	20	30	40	50
6000										
8000			100							
10000				98	93	88	83	78		
12000		98	93	87	82					
14000	93	87	81							
16000	82									

NO FLIGHT

OUT OF GROUND EFFECT, ZERO WIND
MGT 5-MINUTE LIMIT
ENGINE ANTI-ICE AND CABIN HEAT OFF
50 AMP GENERATOR LOAD

