

BEFORE STARTING ENGINE

R44 Raven II

Rotor brake & Map light	OFF
Fuel shut-off valve	ON
Circuit breakers	ALL In
Controls	Full travel free / friction ON
Throttle	Full travel free / Coll. Down
Governor / HYD	ON
Avionics / All switches	OFF
Clutch	Disengaged

STARTING ENGINE (Rotorblades: Level)

Master switch / Strobe light	ON
Throttle	Closed
Area Left & Right	Clear
Mixture	Rich (IN)
Ignition 5 / 3 / 1 sec	Prime, then both
Mixture	Lean (OUT)
Starter	Engage
ENG firing	Mixture slowly rich (IN)
Mixture guard	installed
Strarter ON light	Out
Set idle speed	55% / Oil pressure >25 psi
Clutch / Alternator	ON / Alt light Off
Blades turning	less than 5 sec
Headset, Avionics	On / Set
Wait for clutch light Out	Warm-up RPM 65% (VNE & Limit MP Check)

ENG RUN UP

T's & P's, warnings/caution	Green, NO warnings
Mag drop @ 75%	max 7% in 2 sec
Sprag clutch check @ 75%	Needles split / idle ok
Doors (fwd & aft) / seatbelts	Closed and latched
Frictions	Off
HYD	Checked / On
Increase RPM manually	RPM 102%
Low RPM Horn & Light	checked @ 97%

SHUTDOWN

Coll. down, Cyclic / Pedals	Friction On / Neutral
Reduce RPM for cooling	65% (CHT drop, 3:30)
Avionics	121.5 Checked / Off
Throttle	Closed
Clutch Switch	Disengaged
Wair 30 sec	Mixture Off (OUT)
Wait 1 min	Rotorbrake if req. / All switches OFF



helialpin.ch

GENERAL BRIEFING

Meteo/NOTAM/DABS
W&B / Performance
Journey/Tech LOG
Program/Time/Fuel
PAX/Cabine/Bags

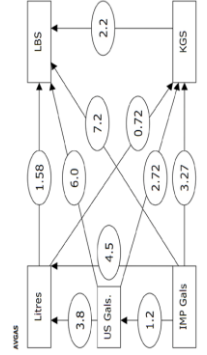
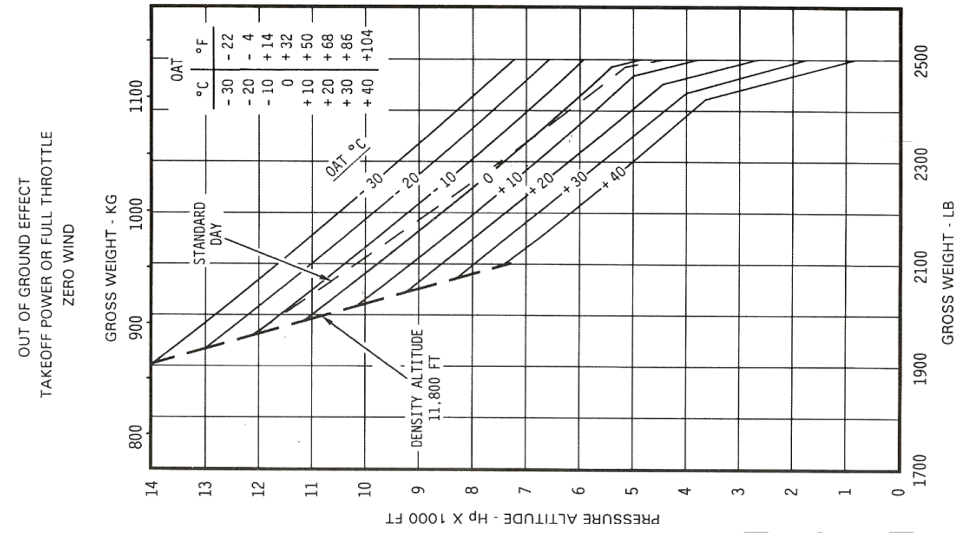
Registration:

ENG & FF:

MTOW:

EEW:

Fuel Qty:



for informational use only! AFM is always mandatory!

OGE HOVER CEILING VS. GROSS WEIGHT

R44 BRIEFINGS / CHECKS	
DEP Briefing DEP Sector WIND/OBSTACLE HIGE / HOGE LIMITATION EMERGENCY	APP Briefing REKO (W A H I B E L U) ELEVATION HIGE / HOGE LIMITATIONS EMERGENCY / ESCAPE
CHECK for DEP FRICTION OFF GOVERNOR ON LANDING LIGHT as REQ T's & P's in the GREEN FUEL QTY ENDURANCE ROTOR RPM 102% NO WARNING LIGHTS	CRUISE CHECK POWER as REQ, <MCP T's & P's in the GREEN FUEL QTY ENDURANCE ROTOR RPM 102% NO WARNING LIGHTS
HOVER CHECK POWER MAP ROTOR RPM 102% NO WARNING LIGHTS WIND / DEP SECTOR CLEAR	CHECK for APP FRICTION OFF GOVERNOR ON LANDING LIGHT as REQ T's & P's in the GREEN FUEL QTY ENDURANCE ROTOR RPM 102% NO WARNING LIGHTS
CLIMB AIRSPEED >60 POWER SET LANDING LIGHT as REQ	FINAL CHECK SAFETY WINDOW 30 KIAS / 300 FT ROD POWER VS SPEED DECISION (LAND, GO AROUND)