

BEFORE STARTING ENGINE

- METEO / NOTAM / KOSIF
- Mass & Balance
- Fuelcap
- Cabin / Pax / Baggage
- Seatbelts
- Aft doors unlocked

STARTING ENGINE

- Rotorblades: level

Departure Briefing

- Fuel shut-off valve On
- Circuit breakers In
- Controls Full travel free -> Frictions On
- Throttle Full travel free/coll. down
- Governor / HYD On
- Avionics / All switches Off
- Clutch Disengaged
- Rotor brake & Map light Off

- Master switch/Strobe light On
- Throttle Closed
- Area (left + right) Clear
- Mixture Rich
- Ignition 5 / 3 / 1 sec Prime, then both
- Mixture Lean
- Starter Engage
- Engine firing Mixture slowly rich
- Mixture guard installed
- Starter-On light Out
- Set idle speed 55% / Oil pressure >25 psi
- Clutch / Alternator On / Alt light Off
- Blades turning Less than 5 sec
- Headsets, Avionics On & Set / Check Vol. COM
- Wait for clutch light: Out -> Warm-up RPM 60 to 70%
- Settings COM/NAV/TX/ALT/Gyro

ENGINE RUN UP

- T's & P's, warnings/cautions Green, No warnings/cautions
- Mag drop @ 75% RPM 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 -> 100-102%
- Low RPM Horn & Light checked @ 97%

SHUTDOWN

- Coll. down, cyclic/pedals Neutral
- reduce RPM for cooling 65% (CHT drop, 3':30")
- Frictions On
- Avionics 121.50 checked / Off
- Throttle Closed
- Clutch Switch Disengage
- Wait 30 sec Mixture off
- Wait 1 min Apply rotorbrake if required
- All switches Off



R44 Raven II

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Immatriculation: _____
 Empty weight: _____
 Main fuel: _____
 Aux fuel: _____
 Max TOM: _____

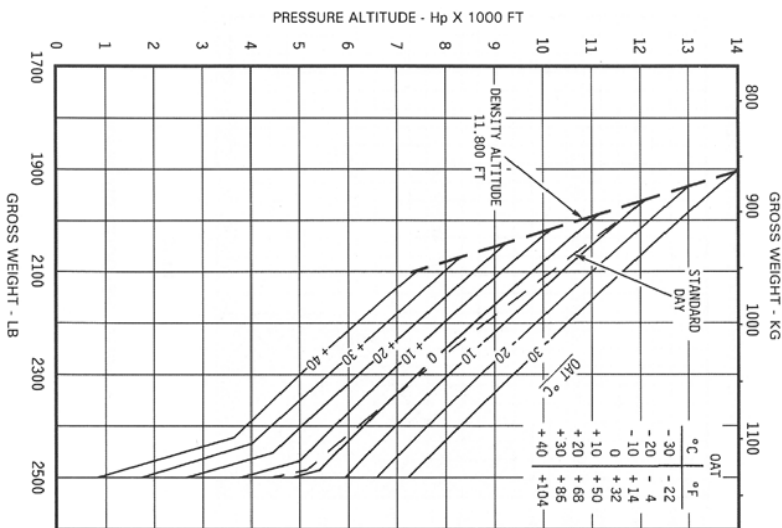
LIMIT MANIFOLD PRESSURE - IN. HG		OAT - °C	
MAXIMUM CONTINUOUS POWER			
ALT-FT	-30	-10	0
SL	21.5	21.8	22.1
2000	20.9	21.2	21.5
4000	20.4	20.7	21.0
6000	19.9	20.2	20.5
8000	19.5	19.8	20.1
10000	19.1	19.4	19.7
12000			

FULL THROTTLE
 FOR MAX TAKEOFF POWER (5 MIN), ADD 2.8 IN.

NEVER EXCEED SPEED - KIAS		OAT - °C	
2200 LB TOGW & BELOW			
ALT-FT	-30	-10	0
SL	130	126	122
2000		126	122
4000		126	122
6000		126	122
8000		126	122
10000		126	122
12000		126	122
14000		126	122

NO FLIGHT
 OVER 2200 LB TOGW, SUBTRACT 10 KIAS
 FOR AUTOROTATION, SUBTRACT 30 KIAS

R44 Raven II Placards • FAA approved 08 OCT 2002



R44 Raven II Performance HOGÉ • FAA approved 03 OCT 2002