

### BEFORE STARTING ENGINE

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

### 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
- Carb heat Off
- Mixture / Mixture guard Full rich / Installed
- Avionics / All switches Off
- Clutch Disengaged
- Rotor brake & Map light Off

- Master switch/Strobe light On / OAT <-> CAT
- Throttle twist for priming as required
- Throttle Closed
- Area (left + right) Clear
- 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
- Headsets, Avionics On & Set / Check Vol. COM
- Carb heat Full On
- 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
- Carb heat check CAT: drop/rise RPM: rise/drop
- 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 Pull idle cut-off, guard back
- Wait 1 min Apply rotorbrake if required
- All switches Off



# R44 Raven

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Immatriculation: \_\_\_\_\_  
 Empty weight: \_\_\_\_\_  
 Main fuel: \_\_\_\_\_  
 Aux fuel: \_\_\_\_\_  
 Max TOM: \_\_\_\_\_

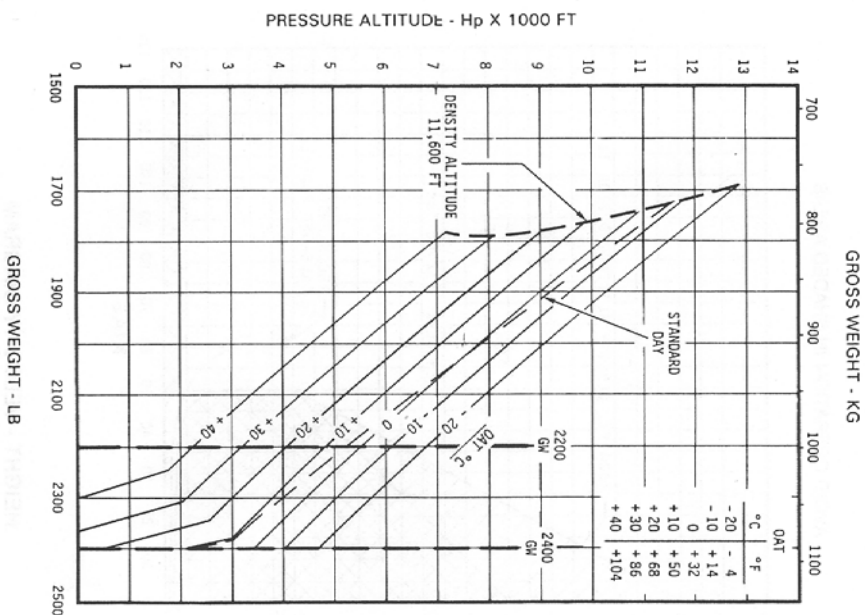
LIMIT MANIFOLD PRESSURE - IN. HG		OAT - °C	
MAXIMUM CONTINUOUS POWER			
PRESS	ALT-FT	-20	-10
SL		22.9	23.2
2000		22.5	22.8
4000		22.2	22.5
6000		21.8	22.1
FULL THROTTLE			
6000		21.8	22.1

FOR MAX TAKEOFF POWER (5 MIN), ADD 1.6 IN. HG

NEVER EXCEED SPEED - KIAS		OAT - °C	
2200 LB TOGW & BELOW			
PRESS	ALT-FT	-20	-10
SL		130	127
2000		126	122
4000		122	117
6000		117	112
8000		112	107
10000		106	101
12000		101	95
14000		95	89

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

R44 Raven Placards • FAA approved 10 DEC 1992



R44 Raven Performance HOG • FAA approved 16 AUG 2001