## **Checklist**

R22 Beta II

## BEFORE STARTING ENGINE

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

## **STARTING ENGINE**

- Rotorblades: level

## **ENGINE RUN UP**

### **SHUTDOWN**

## **Departure Briefing**

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

•	Master	switch /	Strobe	light	Or

COM on / Freq. / Vol Check

Area (left + right)

Throttle twist for priming

Throttle

• Ignition switch

Starter-On lightSet idle speed

Clutch / Alternator

Blades turning

Carb heatWait for clutch light: Out →

• Warm up

Settings

On / OAT ↔ CAT
Headset On, 1 ear uncovered

Clear

Cold 10 / Warm 5

Closed

Start, then both

Out

55% / Oil pressure>25 psi

On / Alt light Off Less than 5 sec

Full On

Verify clutch CB in

70-75% RPM

COM/NAV/TX/ALT/Gyros/Flarm

T's & P's warnings/cautions
 Mag drop @ 75% RPM
 Carb heat check
 Green, No warnings/cautions
 Max 7% in 2 sec
 CAT: drop/rise RPM: rise/drop

• Sprag clutch check @ 75%

Doors / seatbeltsFrictions

Increase RPM manuallyLow RPM Horn & Light

Closed / On Off

102-104% Checked @ 97%

Coll. down, cyclic / pedalsReduce RPM for cooling

FrictionsThrottle

Clutch Switch

Wait 30 secWait 1 min

Avionics / All switches

Neutral

75 % (CHT drop, 3':30") On

Needles split / idle ok

Closed

Disengage, Check light On

Pull idle cut-off, guard back
Apply rotor brake if required

121.50 checked / Off



# R22 BETA II

## FAA APPROVED: 13 OCT 2000 FAA APPROVED: 23 FEB 2004

Immatriculation:	
Empty weight:	
Max TOM :	

## LIMIT MANIFOLD PRESSURE - IN. HG

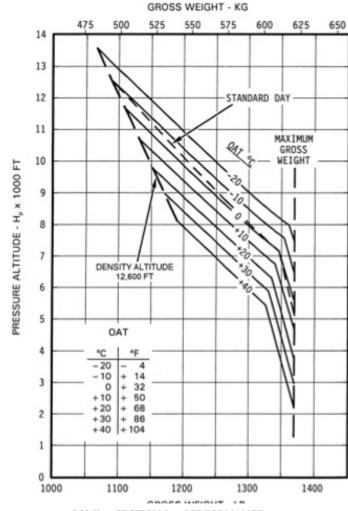
MAXIMUM CONTINUOUS POWER								
PRESS		OAT - °C						
ALT-FT	-20	-10	0	10	20	30	40	
SL	21.5	21.8	22.1	22.3	22.6	22.9	23.2	
2000	21.1	21.4	21.6	21.9	22.2	22.5	22.8	
4000	20.7	21.0	21.2	21.5	21.8	22.0	22.3	
6000	20.3	20.6	20.8	21.1	21.3	21.6	21.9	
8000	19.9	20.2	20.4	20.7	20,9	FULL THROTTLE		
FOR MAX 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							
2000	102				99	96	
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					Jani	

R22 II ◆ SECTION 2 ◆ LIMITATIONS ◆ PLACARDS FAA APPROVED: 13 OCT 2000

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



R22 II ◆ SECTION 5 ◆ PERFORMANCE FAA APPROVED: 23 FEB 2004