

R22 Beta II

CHECKLIST

BEFORE STARTING ENGINE

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

STARTING ENGINE

- Rotorblades: level

R22 Beta II



ENGINE RUN UP

Departure Briefing

- Fuel shut-off valve On
- Circuit breakers In
- Controls Full travel free -> Frictions On
- Throttle Full travel free/coll. down
- Governor On
- Carb heat Off
- Mixture / Mixture guard Full rich / Installed
- Primer Down and locked
- 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 70 to 75%
- Settings COM / NAV / TX / ALT

- 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 / Seat Belts Closed and latched
- Frictions Off
- Increase RPM manually -> 102-104%
- Low RPM Horn & Light checked @ 97%

- Coll. down, cyclic/pedals Neutral
- reduce RPM for cooling 75% (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

SHUTDOWN



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

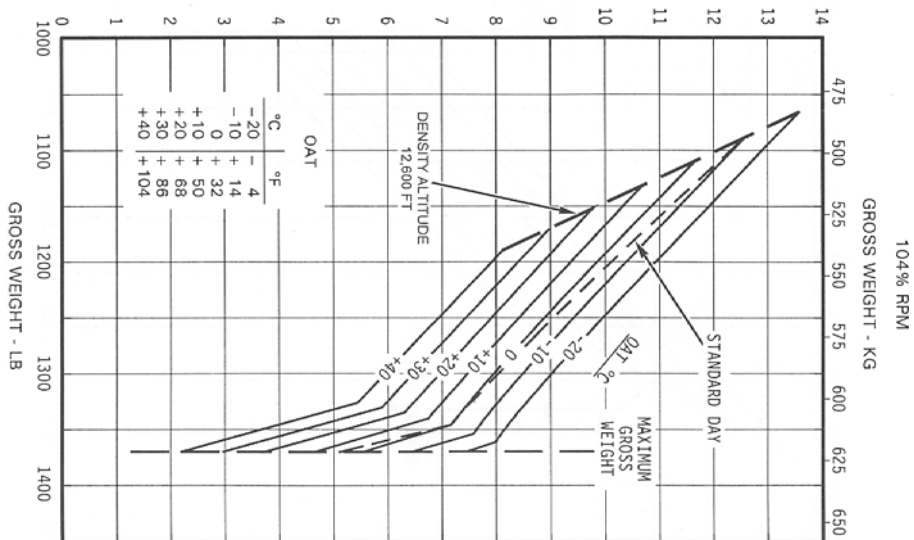
PRESS ALT-FT	LIMIT MANIFOLD PRESSURE - IN. HG													
	MAXIMUM CONTINUOUS POWER													
	OAT - °C													
SL	-20	-10	0	10	20	30	40	21.5	21.8	22.1	22.3	22.6	22.9	23.2
2000	21.1	21.4	21.6	21.9	22.2	22.5	22.8	20.7	21.0	21.2	21.5	21.8	22.0	22.3
4000	20.3	20.6	20.8	21.1	21.3	21.6	21.9	19.9	20.2	20.4	20.7	20.9	FULL THROTTLE	
6000	FOR MAX TAKEOFF POWER (5 MIN), ADD 0.9 IN. HG													

PRESS ALT-FT	NEVER EXCEED SPEED - KIAS													
	OAT - °C													
SL	-20	-10	0	10	20	30	40	102						
2000								98	94	91	87	99	96	
4000								98	94	90	87	82	77	
6000								98	94	90	87	82	77	
8000								94	90	86	80	75	69	
10000								86	80	74	68	62	57	
12000								74	67	61	NO FLIGHT			
14000								61						

R22 Beta II Placards • FAA approved 13 OCT 2000



PRESSURE ALTITUDE - H_p x 1000 FT



R22 Beta II Performance HOGÉ • FAA approved 23 FEB 2004