

## BEFORE STARTING ENGINE

# R22 Beta II

Rotor brake & Map Light	OFF
Fuel Shutoff Valve	ON
Circuit Breakers	ALL IN
Flight Controls	Full Travel Free
Throttle	Full Travel Free / Closed
Collective	Down / Friction ON
GOV Switch	ON
Carb Heat	OFF / Down
Mixture	Full Rich / Guard installed
Avionic / All switches	OFF
Clutch	Disengaged

## STARTING ENGINE (Rotorblades: Level)

Master switch / Strobe light	ON
Throttle Twist for Prime	as Req. (10/5/3) Throttle close
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	<5sec
Headset / Avionics	ON / Set
Wait for Clutch Light Out	Warm up 75% (VNE & Limit MAP Check)

## ENG RUN UP

T'S & P'S warning & caution	All green, No warnings
MAG drop @ 75% RPM	max 7% in 2 sec
Carb Heat Check	CAT rise / drop - RPM drop/rise
Sprag Clutch Check @ 75%	needle split / idle Check
Doors & Seatbelts	Closed / Latched
Frictions	OFF
Increas Throttle	RPM 104%
Low RPM Horn & Light	checked @ 97%

## SHUTDOWN

Collective down, RPM 75%	friction ON
Cyclic und Pedals	neutral, friction ON
CHT	Drop, 3:30 min cool down
Avionics	121.5 checked / OFF
Throttle	Closed
Clutch Switch	Disengaged
Wait 30 sec	Mixture Off
After 1min	Rotorbrake if req. / ALL Switches OFF



## GENERAL BRIEFING

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

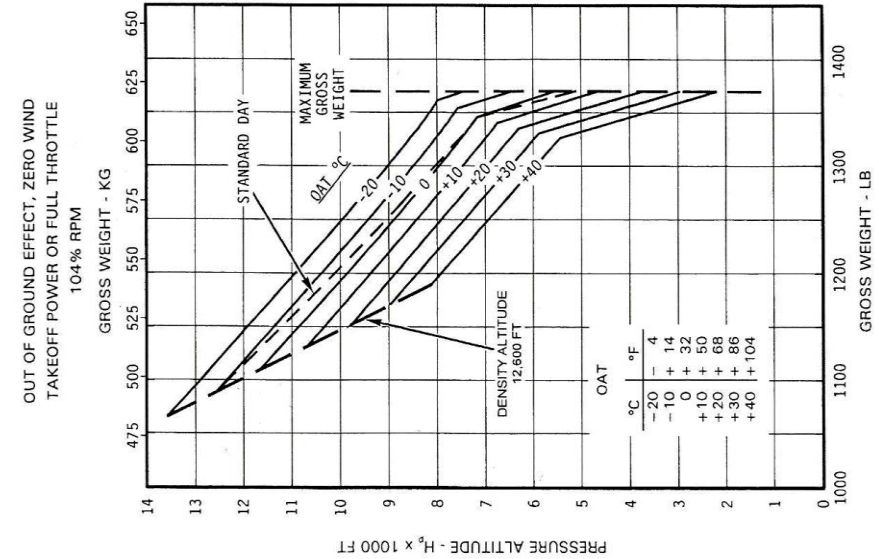
Registration:

ENG & FF:

MTOW:

EEW:

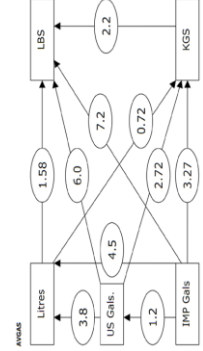
Fuel Qty:



R22 BETA II  
O-360-J2A ENGINE

OGE HOVER CEILING VS. GROSS WEIGHT

R22 BRIEFINGS / CHECKS	
<b>DEP Briefing</b> DEP Sector WIND/OBSTACLE HIGE / HOGE LIMITATION EMERGENCY	<b>APP Briefing</b> REKO (WA HI BEL U) ELEVATION HIGE / HOGE LIMITATIONS EMERGENCY / ESCAPE
<b>CHECK for DEP</b> FRICTION OFF GOVERNOR ON LANDING LIGHT as REQ CARB HEAT OFF TRIM OFF T's & P's in the GREEN FUEL QTY ENDURANCE ROTOR RPM 104% NO WARNING LIGHTS	<b>CRUISE CHECK</b> CARB HEAT / TRIM as REQ T's & P's in the GREEN FUEL QTY ENDURANCE POWER as REQ, <WCP ROTOR RPM 104% NO WARNING LIGHTS
<b>HOVER CHECK</b> POWER MAP ROTOR RPM 104% NO WARNING LIGHTS WIND / DEP SECTOR CLEAR	<b>CHECK for APP</b> FRICTION OFF GOVERNOR ON LANDING LIGHT as REQ CARB HEAT ON TRIM OFF T's & P's in the GREEN FUEL QTY ENDURANCE ROTOR RPM 104% NO WARNING LIGHTS
<b>CLIMB CHECK</b> AIRSPEED >60 POWER SET LANDING LIGHT as REQ CARB HEAT as REQ	<b>FINAL CHECK</b> <sup>40kt CarbHeat Off</sup> SAFETY WINDOW 30 KIAS / 300 FT ROD POWER VS SPEED DECISION (LAND, GO AROUND)



for informational use only! AFM is always mandatory!