

# N333HE – NORMAL CHECKLIST

## BEFORE START

Exterior	COMPLETE
Rudder Pedals	ADJUST
Seat Belts	FASTEN/ADJUST
Passenger Brief	COMPLETE
Avionics Master	OFF
EFD 1000	OFF
Circuit Breakers	CHECK
Emergency Static Source	NORMAL
Electrical Equip. (Lights)	OFF
Beacon	ON
Cowl Flaps	OPEN
Fuel Selector Valves	ON

## STARTING ENGINE

Brakes	SET
-----1st ENGINE-----	
Props	HIGH RPM
Throttle	1/2" Open
Mixture	RICH
Prop Area	CLEAR
Battery	ON
Key	ON
Alternator Switch	ON
Aux Fuel Pump	HIGH
(Until Stable, then OFF)	
Mags	START
Throttle	1000-1200RPM
Oil Pressure	25 PSI (W/I 30 sec)
Mixture	LEAN
Load Meters	CHECK
-----2nd Engine-----	
Repeat steps	

## TAXI CHECK

Avionics	ON
Auto Pilot Toggle	ON
Elec Trim Toggle	ON
EFD 1000	ON
CFS	SET
Pitot Heat (Check Load Meter)	ON/OFF
Exterior Lights	AS REQUIRED
Flaps	RETRACT
GPS x 2	CHECK
Transponder	ALT
Parking Brake	RELEASE
Brakes	TEST
Compass	CHECK (turning)
Attitude Indicator x 2	CHECK (turning)
Heading Indicator	CHECK (turning)
Turn Coordinator x 2	CHECK (turning)

## BEFORE TAKEOFF

Parking Brake	SET
Flight Controls	FREE/CORRECT
Mixture	RICH
Throttles	2400rpm
Loadmeters	CHECK
Fuel Indicators	CHECK
Engine Instruments	CHECK
Propellers	EXERCISE
(NOTE: DO NOT move prop controls below feather detents)	
(Look for Change in Oil Press, ↑ MP, ↓ RPM)	
Throttles	1700rpm
Magnetos	CHECK
(50rpm, max 150 between)	
Throttles	1500rpm
Props	Feather Check
(Do not allow an RPM drop of 500)	
Throttles	IDLE
Comm Radios	SET
Nav Radios	SET
GPS	SET
Course & Altitude	SET
Autopilot	CHECK
Electric Trim	CHECK & SET FOR T/O
Flight Instruments	CHECKED
Compass & RWY Heading	VERIFY
Flaps	SET for T/O
Doors & Windows	CLOSE
Fuel Selector Valves	ON
Landing Light	ON
Transponder	PROPER CODE/ALT
Props	HIGH RPM
Emergency	BRIEF
Time Off	LOG
Parking Brake	RELEASE
Aux Fuel Pumps (Mid Position)	OFF
*NOTE: If above 90°F use LOW pressure	

## NORMAL TAKEOFF

Power	2700rpm
Rotate	100 mph/ <b>87 kts</b>
Gear	UP (Pos Rate)
Vx	97 mph/ <b>84 kts</b>
Vy	119 mph/ <b>103 kts</b>
Vxse	107 mph/ <b>93 kts</b>
Vyse (Blue Line)	115 mph/ <b>100 kts</b>

Vx 97mph/**84kts** Vy 119mph/**103kts**

## CLIMB CHECKLIST

Flaps	RETRACT
500 Feet	MP 25"
	RPM 2500
Normal Climb	160 mph/ <b>139 kts</b>
Exterior Lights	REDUCE

## CRUISE

Cowl Flaps	AS REQUIRED
Throttles	SET MP
Prop Levers	SET RPM
Mixture	LEAN

## DESCENT

Passenger Brief	COMPLETE
Cowl Flaps	CLOSED
Mixture	ENRICHEN SLOWLY
Throttles	REDUCE MP
Prop Levers	AS REQUIRED

## BEFORE LANDING - C.G.L.U.M.P.S.

Fuel Selector Valves	ON
Landing Light	ON
Gear Down	< 175 mph/ <b>152 kts</b>
Mixture	RICH
Throttles	REDUCE
Prop Levers	FULL FORWARD
Seat Belts	SECURE

## NORMAL

Flaps 15°	< 175 mph/ <b>152 kts</b>
Flaps 30°	< 140 mph/ <b>122 kts</b>
Final Approach	97-101 mph
	<b>82-88 kts</b>
Touchdown	85 mph/ <b>74 kts</b>

Vxse 107mph/**93 kts** Vyse 115mph/**100 kts**

## MISSED APPROACH

GA Button	PRESS
Throttles	FULL FORWARD
Airspeed	115 mph/ <b>100 kts</b>
Flaps	½ UP (15")
Gear	UP
Flaps	0"
Cowl Flaps	AS REQUIRED

## AFTER LANDING

Landing Light	OFF
Flaps	RETRACT
Mixture	LEAN AS REQUIRED
Cowl Flaps	OPEN
Trims	SET FOR TAKEOFF

## ENGINE SHUT DOWN

Transponder	1200/STANDBY
Throttles	1000RPM's
Heater	OFF
Aux Fuel Pumps	OFF
Exterior Lights	OFF
EFD 1000	OFF
Electric Trim	OFF
Auto Pilot	OFF
Avionics	OFF
Mixture	IDLE/CUT OFF
Magneto Switches	OFF
Alternator Switches	OFF
Battery	OFF
Key	OFF/OUT
Flight Plan	CLOSE

## SECURING AIRCRAFT

Hobbs	NOTE
Control Lock	INSTALL
Sun Visors or AC Cover	INSTALL
Personal Items & TRASH	REMOVE
Pitot Cover	INSTALL
Tie Down	SECURE



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