Checklist — Ercoupe 415

Initial

Weather & Den Alt.
Weight & Balance
Performance Req.
Flight Plan - File
Papera A.R.O.W
Control Lock
Master On
Nav/Beacon/Strobe
Landing Light
Master Off

Exterior

Fuel Quantity
Fuel Quality
Caps/Drains/Vents
Engine/oil
Prop/AirIntake
Exhaust System
Surfaces / Controls
Pitot & Static port
Gear/Tires
Antennas
Ties/Chokes
Final Walkaround

Interior

Hobbs Time
Fuel Both ON
Circuit Breakers
Brakes Pedal Test
Passenger Instruct

Start

Avionics Off
Beacon On
Brakes Set
Throttle 4 Notches
Carb Heat Off
Prime 2-6 Strokes
Prop - Clear !
Master On
Mags On
Starter Pull
900-1200 RPM
Oil Pressure
Avionics On
Nav Lights - As Req
Frequencies
Atis/Awos

Taxi

Seat Belts
Transponder On
Collision Light On
Radios Test
Brakes test

Runup

Wheel Straight
Brakes Set
Fuel On
Trimm Takeoff
Flight Controls
Instrument(s)
Carb Heat Off

2000 RPM
Mags R&L Test
Carb Heat Test
Amps/Volts
Oil 90°F min
Oil Press 35lb min

Pre-Takeoff

Windows Closed
Baggage Secure
Passenger Brief
Tranponder Alt
Landing Light On

Takeoff

Full Trottle
2400 Rpm
Oil Pressure
Rotate @ 56

Climb

V_X=60
V_Y=70
Monitor Engine

Cruise

TrottleBack
Oil Temp 100-225°F
Cyl Temp 350-500°F
Carb Heat

Decent

Open Throttle in
Glide to clear Cyl

Pre-Landing

Carb Heat On
Landing Light On
Open Throttle in
Glide to clear Cyl
Best Glide 70 Mph

Landing

Best Glide 70 Mph

Clear Active

Radio announce
Landing Light Off
Transponder Stdby

Secure

Avionics-Off
Mags Off
Master Off
Hobbes Time
Control lock
Tie Down/Chockes

Close Flight Plan

Speed Limits			Engine Limits	
Maneuvering	108 MPH (94kts)	V_X=60	max. Engine r.p.m.	2575
max.Struct.Cruising V_{No}	114 MPH (99kts)	V_Y=70	max.Cruising r.p.m.	2400
Never exceed V_{NE}	144 MPH (125kts)	V_{So}=none	max Oiltemp	225°F
		V_{S1}=56	max Cyl Head temp	540°F
		V_{No}=114	min.Oilpressure	10 lb
		V_{NE}=144		

Ranges ModelE_85 h.p with 7150 McCauley Propeller- Sealevel -Mixture Rich

Normal Maximum (Calm)		113 m.p.h.	2400 r.p.m.	5.9 Gal/hr.	17.5 Mi/Gal.
Conservative Cruise (Calm) 75%		107	2275	5.4	19.8
Max.Range:	15 m.p.h. Tailwind	75	1825	3.2	28.1
	No Wind	80	1875	3.4	23.5
	15 m.p.h. Headwind	90	2025	3.9	19.2
	30 m.p.h. Headwind	97	2125	4.3	15.6
	45 m.p.h. Headwind	100	2175	4.5	12.2
	60 m.p.h. Headwind	107	2275	5.4	8.7

Ranges ModelE_85 h.p with 7150 McCauley Propeller- 5,000ftAltitude -Mixture Lean
not appliable
Computed from a limited numbers of tests based upon a standard airplane in a good condition carrying a full load.