



N53735
7KCAB

12/1/2023

AIR SPEEDS (MPH)

V _G	65
V _{S0}	50
V _X	58
V _Y	69
V _A	120
V _{NO}	120
V _{NE}	162

WEIGHT & BALANCE

EMPTY WT	1228 LBS
GROSS WT	1650 LBS

CAPACITIES

TOTAL FUEL	36 GALLONS
USABLE FUEL	35 GALLONS
MINIMUM OIL	6 QUARTS

CONTACT INFORMATION

VFA	(123.3) 802-863-5988
BTV AIRPORT POLICE....	802-658-7663
ATIS	(123.8) 802-658-8382
CLEARANCE	(119.15)
GROUND	(126.3)
TOWER.....	(118.3) 802-657-4402
APPROACH.....	(121.1) 802-657-4401

LIGHT USAGE

START / SHUTDOWN.....	BCN / NAV
RAMP.....	BCN / NAV / LDG*
RUNUP	BCN / NAV
TAXI	BCN / NAV / LDG*
CROSS RWY	ALL LGTS ON
TAKEOFF / CLIMB	ALL LGTS ON
PRAC. AREA	ALL LGTS ON
CRUISE	BCN / NAV / LDG
DESCENT / LANDING.....	ALL LGTS ON

*LANDING LIGHT SHALL BE ON WHENEVER AIRCRAFT IS IN MOTION AND OFF WHEN AIRCRAFT IS STOPPED.

NOTE

IF ENVIRONMENTAL CONDITIONS EXIST IN WHICH THE EXTERNAL LIGHTS CREATE A DISTRACTION TO FLIGHT, TURN THE EXTERNAL LIGHTS OFF AS APPROPRIATE.

PREFLIGHT

AIRCRAFT LOGBOOK.....	CHECK
AIRCRAFT / PILOT DOCS.....	CHECK
IGNITION SWITCHES.....	OFF
CONTROL LOCK	REMOVED
RADIO	OFF
TURN/BANK.....	OFF
MASTER SWITCH	ON
FUEL GAUGES	CHECK
LIGHTS.....	CHECK / OFF
MASTER SWITCH	OFF
FUEL SHUTOFF VALVE.....	ON

INTERIOR CHECKS COMPLETE

FUEL QUANTITY	CHECKED
FUEL SUMPS/STRAINER ...	CHECKED
FUEL TANKS / CAPS.....	CHECKED
AIRCRAFT EXTERIOR	CHECKED
CONTROL SURFACES	CHECKED
ENGINE OIL LEVEL.....	CHECKED
LANDING GEAR	CHECKED
ALL TIEDOWNS.....	REMOVED
PREHEAT.....	DISCONNECTED
CHOCKS	REMOVED

EXTERNAL CHECKS COMPLETE

PREFLIGHT.COMPLETE

BEFORE START

CFI WALK-AROUND	VERIFIED
PASSENGER BRIEF	SEAT BELTS
DOORS, EMERGENCIES	
STERILE COCKPIT	
PASSENGER BRIEF.....	COMPLETE
SEATS / BELTS	ADJUST / LOCK
BRAKES	CHECK / SET
CIRCUIT BREAKERS	IN
THROTTLE.....	1/4 INCH OPEN
MIXTURE.....	IDLE CUTOFF
MASTER SWITCH	ON
LIGHTS.....	SET

IF ENGINE COLD

ELECTRIC FUEL PUMP	ON
MIXTURE.....	PRIME
ELECTRIC FUEL PUMP	OFF

ENGINE START

PROP AREA.....	CLEAR
IGNITION SWITCHES	ON
STARTER.....	ENGAGE

ENGINE STARTED

MIXTURE	ADVANCE
THROTTLE.....	1000 RPM

BEFORE TAXI

ENGINE INSTRUMENTS	CHECK
AMPS / VOLTS	CHECK
MIXTURE.....	LEAN
RADIO	ON
TURN/BANK.....	ON
TRANSPONDER.....	ON / ALT
LIGHTS	SET
BRAKE CHECK	COMPLETE

RUN UP

BRAKES.....	SET
RADIOS / GPS	SET
ATIS / WEATHER	CHECK
FLT INSTRUMENTS.....	CHECK
FLT CONTROLS.....	FREE / CORRECT
TRIM	SET FOR TAKEOFF
MIXTURE	FULL RICH
ENGINE INSTRUMENTS	GREEN
THROTTLE	1800 RPM
ENGINE INSTRUMENTS.....	CHECK
AMPS/VOLTS.....	CHECK
MAGNETOS..... (<200 RPM)	CHECK
ALTERNATE AIR.....	CHECK
IDLE	CHECK
THROTTLE	1000 RPM

MIXTURE	LEAN
ALTIMETERS.....	SET
TRANSPONDER.....	ASSIGNED / SET
TAXI ROUTE.....	BRIEF

BEFORE TAKEOFF

SEATS / BELTS	LOCK / ON
DOOR / WINDOW.....	LATCH
PRE-TAKEOFF BRIEF	COMPLETE
MIXTURE	FULL RICH
BEFORE CROSSING HOLDSHORT LINE	
LIGHTS	SET

TAKEOFF

RUNWAY	VERIFY
X-WIND CORRECTION.....	APPLY
THROTTLE	FULL OPEN
ELEVATOR	NEUTRAL
TAILWHEEL.....	LET RISE
ROTATE.....	55-60 MPH

CLIMB

AIR SPEED.....	75-80 MPH
THROTTLE	FULL OPEN
MIXTURE.....	LEAN AS REQUIRED
TRIM	SET

CRUISE

POWER	SET
TRIM	SET
MIXTURE.....	LEAN
LIGHTS.....	SET

DESCENT BEFORE LANDING

ATIS / WEATHER	CHECK
ALTIMETERS	SET
APPROACH BRIEFING	COMPLETE
SEATS / BELTS	SECURE

LANDING

FUEL SELECTOR	BOTH
LIGHTS.....	SET
MIXTURE.....	FULL RICH
LANDING CLEARANCE.....	VERIFY
FINAL APPROACH SPEED	
APPROACH SPEED	70-80 MPH

GO AROUND

THROTTLE.....	FULL OPEN
CLIMB SPEED	75-80 MPH

AFTER LANDING

TRIM	SET FOR TAKEOFF
MIXTURE.....	LEAN
LIGHTS.....	SET

SHUTDOWN

BRAKES	SET
THROTTLE.....	1000 RPM
RADIO	OFF
TURN/BANK.....	OFF
MIXTURE.....	IDLE CUTOFF
IGNITIONS	OFF
LIGHTS.....	SET / OFF
MASTER SWITCH	OFF
SECURING AIRCRAFT	

CONTROL LOCK	INSTALLED
CHOCKS / TIEDOWNS.....	SECURED
AIRCRAFT TIMES.....	RECORD

ENGINE FAILURE

AIRSPED.... BEST GLIDE (65 MPH)
 LANDING SITE SELECT
 FUEL SHUT-OFF VALVEON
 ELECTRIC FUEL PUMP.....ON
 MIXTURE..... RICH
 ALTERNATE AIR..... OPEN
 IGNITIONS.....ON

REFER TO POH 2-4

ENGINE FIRE (IN FLIGHT)

FUEL SHUT-OFF VALVEOFF
 MIXTURE IDLE CUTOFF
 ELECTRIC FUEL PUMP.....OFF
 ELECTRICAL SWITCHESOFF
 MASTER SWITCHOFF
 CABIN HEAT / AIR.....OFF

REFER TO NO RESTART – FORCED LANDING
 CHECKLIST

NO RESTART - FORCED LANDING

AIRSPED..... 65 MPH
 ELECTRIC FUEL PUMP OFF
 MIXTURE..... IDLE CUTOFF
 IGNITIONSOFF
 FUEL SHUT-OFF VALVE.....OFF
 TRANSPONDER CODE..... 7700
 COMMUNICATIONS .. AS POSSIBLE
 PASSENGERS BRIEF
 TIGHTEN BELTS/HARNESSES
WHEN LANDING IS ASSURED:
 MASTER..... OFF
 DOORS..... UNLATCH
 BRAKES APPLY HEAVILY

REFER TO POH 2-5

ELECTRICAL FIRE (IN FLIGHT)

MASTER SWITCHOFF
 CABIN HEAT.....OFF
 AIR VENTS / WINDOW
 OPEN ONLY IF NEEDED TO SEE

LAND.....IMMEDIATELY
 REFER TO NO RESTART – FORCED LANDING
 CHECKLIST

EMERGENCY DESCENT

THROTTLE IDLE
 BANK.....30-45
 AIRSPEED 115 MPH

LAND.....IMMEDIATELY
 REFER TO NO RESTART – FORCED LANDING
 CHECKLIST

ENGINE FIRE (DURING START)

CRANKING CONTINUE
IF ENGINE STARTS:
 POWER 1800 RPM
WAIT FOR 2 MINUTES
 MIXTURE..... IDLE CUTOFF
IF ENGINE DOES NOT START:
 CRANKING CONTINUE
 THROTTLE FULL OPEN
 MIXTURE..... IDLE CUTOFF

ELECTRIC FUEL PUMPOFF
 IGNITION SWITCH.....OFF
 MASTER SWITCH.....OFF
 FUEL SHUTOFF VALVEOFF
 FIRE EXTINGUISHER... DISCHARGE

REFER TO POH 2-2

WING FIRE

EXTERIOR LIGHTS.....OFF
 SIDESLIP ESTABLISH

NOTE

PERFORM A SIDESLIP TO KEEP FLAMES AWAY
 FROM THE FUEL TANK AND CABIN. LAND AS
 SOON AS POSSIBLE USING WING FLAPS ONLY
 AS REQUIRED FOR FINAL APPROACH AND
 TOUCHDOWN.

AMMETER DISCHARGE

MASTER SWITCH CYCLE
 MASTER CB RESET
IF AMMETER INDICATES DISCHARGING:

UNNECESSARY SWITCHES.....OFF
 LAND..... AS SOON AS PRACTICAL

REFER TO POH 2-3