



N73345
C172M

8/13/2025

AIRSPEDS (KIAS)

V _G	65
V _{S0}	41
V _{S1}	48
V _X	64
V _Y	78
V _{FE}	85
V _A	97
V _{NO}	128
V _{NE}	160

WEIGHT & BALANCE

EMPTY WT	1449 LBS
GROSS WT	2300 LBS

CAPACITIES

TOTAL FUEL	43 GALLONS
USABLE FUEL	40 GALLONS
MINIMUM OIL	6 QUARTS

CONTACT INFORMATION

VFA	(123.3) 802-863-5988
BTV AIRPORT POLICE ...	802-658-7663
ATIS	(123.8) 802-657-4490
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 / TXI*
RUNUP	BCN / NAV
TAXI	BCN / NAV / TXI*
CROSS RWY.....	ALL LGTS ON
TAKEOFF / CLIMB	ALL LGTS ON
PRAC. AREA	ALL LGTS ON
CRUISE	BCN / NAV / STRB
DESCENT / LANDING	ALL LGTS ON

* TAXI 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
CONTROL LOCK	REMOVE
COVERS	REMOVE
IGNITION SWITCH	OFF
AVIONICS SWITCH	OFF
MASTER SWITCH	ON
FLAPS	CLEAR / DOWN
FUEL GAUGES	CHECK
LIGHTS	CHECK / OFF
PITOT HEAT	CHECK / OFF
MASTER SWITCH	OFF
FUEL SHUTOFF VALVE	ON
FUEL SELECTOR	BOTH
FIRE EXTINGUISHER	GREEN ARC

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
CARGO DOOR.	SECURED
PREHEAT	DISCONNECTED
TOWBAR	REMOVED
CHOCKS	REMOVED

EXTERNAL CHECKS COMPLETE

PREFLIGHT.	COMPLETE
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BEFORE START

CFI WALK-AROUND	VERIFIED
PASSENGER BRIEF.....	SEAT BELTS
DOORS, EMERGENCIES	
STERILE COCKPIT	
ALL COVERS PRESENT IN AIRCRAFT	
SEATS / BELTS	LOCK / ON
BRAKES	CHECK / SET
CIRCUIT BREAKERS	IN
FUEL SELECTOR	BOTH
THROTTLE	¼ INCH OPEN
MIXTURE	FULL RICH
MASTER SWITCH	ON
LIGHTS	SET
AVIONICS SWITCH	OFF

IF ENGINE COLD

PRIMER	PRIME / LOCK
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ENGINE START

PROP AREA	CLEAR
IGNITION SWITCH	START / BOTH
ENGINE STARTED	
THROTTLE	1000 RPM

BEFORE TAXI

ENGINE INSTRUMENTS	CHECK
AMPS	CHECK
MIXTURE	LEAN
AVIONICS SWITCH	ON
FLAPS	RETRACT
LIGHTS SET	
BRAKE CHECK	COMPLETE

RUN UP

BRAKES	SET
RADIOS / GPS	SET
ATIS / WEATHER	CHECK
FLT INSTRUMENTS	CHECK
FLT CONTROLS	FREE / CORRECT
FUEL SELECTOR	BOTH
TRIM	SET FOR TAKEOFF
MIXTURE	FULL RICH
ENGINE INSTRUMENTS	GREEN
THROTTLE	1700 RPM

AMPS	CHECK
MAGNETOS	(<150 RPM) CHECK
CARB HEAT	ON
ENGINE INSTRUMENTS	CHECK
IDLE	CHECK
THROTTLE	1000 RPM

CARB HEAT	OFF
MIXTURE	LEAN
THROTTLE FRICTION LOCK	SET
ALTERNATE STATIC	CHECK
ALTIMETER	SET
TRANSPONDER	ASSIGNED / SET
TAXI ROUTE	BRIEF

BEFORE TAKEOFF

SEATS / BELTS	LOCK / ON
PRE-TAKEOFF BRIEF	COMPLETE
FLAPS	SET
MIXTURE	FULL RICH
DOORSLATCH	
BEFORE CROSSING HOLD SHORT LINE	
LIGHTS SET	
PITOT HEAT	AS REQUIRED

TAKEOFF

RUNWAY	VERIFY
X-WIND CORRECTION	APPLY
THROTTLE	FULL OPEN
ROTATE	55 KIAS
CLIMB SPEED	V _Y

CLIMB

FLAPS	RETRACT
AIRSPPEED	80-90 KIAS
THROTTLE	FULL OPEN
MIXTURE	LEAN AS REQUIRED

CRUISE

POWER	SET
MIXTURE	LEAN
LIGHTS	SET

DESCENT BEFORE LANDING

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

LANDING

FUEL SELECTOR	BOTH
LIGHTS	SET
MIXTURE	RICH
CARB HEAT	ON
LANDING CLEARANCE	VERIFY

FINAL APPROACH SPEED

FLAPS UP	65-70 KIAS
FULL FLAPS (30°)	60-70 KIAS

GO AROUND

THROTTLE	FULL OPEN
FLAPS	20° IMMEDIATELY
CLIMB SPEED	60 KIAS
FLAPS (POSITIVE RATE)	10°
AIRSPPEED	V _Y
CARB HEAT	OFF
FLAPS	RETRACT

AFTER LANDING

TRIM	SET FOR TAKEOFF
FLAPS	RETRACT
CARB HEAT.	OFF
MIXTURE	LEAN
LIGHTS / PITOT HEAT	SET

SHUTDOWN

BRAKES SET
THROTTLE 1000 RPM
AVIONICS SWITCH OFF
MIXTURE IDLE CUTOFF
MAGNETOS OFF
KEY REMOVE
LIGHTS SET
MASTER SWITCH OFF

FUEL SELECTOR RIGHT
SECURING AIRCRAFT

CHOCKS INSTALL
TOWBAR REMOVE
AIR VENTS CLOSED
CONTROL LOCK INSTALL
ALL TIEDOWNS SECURE
ALL COVERS INSTALL
AIRCRAFT TIMES RECORD
360° WALK AROUND COMPLETE

SOFT FIELD TAKEOFF

FLAPS 10°
THROTTLE FULL OPEN
ELEVATOR LIFT NOSEWHEEL
CLIMB SPEED V_x or V_y
AT A SAFE ALTITUDE & AIRSPEED: CLIMBING
AIRSPEED V_x or V_y
FLAPS RETRACT

SOFT FIELD LANDING

FLAPS 40°
APPROACH AIRSPEED 60 KIAS
IN THE FLARE

ADD POWER TO SOFTEN LANDING

SHORT FIELD TAKEOFF

FLAPS UP
BRAKES SET
THROTTLE FULL OPEN
ENGINE INSTRUMENTS GREEN
BRAKES RELEASE
LIFT NOSEWHEEL 55 KIAS
CLIMB SPEED 59 KIAS
AT A SAFE ALTITUDE & AIRSPEED: CLIMBING
AIRSPEED V_x or V_y
FLAPS RETRACT

SHORT FIELD LANDING

FLAPS 40°
APPROACH SPEED 60 KIAS
AFTER TOUCHDOWN
BRAKES APPLY HEAVILY
FLAPS RETRACT
YOKE APPLY BACK PRESSURE

ENGINE FAILURE

AIRSPEED ... BEST GLIDE (65 KIAS)
LANDING SITE SELECT
FUEL SELECTOR BOTH
MIXTURE RICH
CARB HEAT ON
PRIMER LOCKED
IGNITION SWITCH BOTH

REFER TO POH 3-5

NO RESTART - FORCED LANDING

AIRSPEED 60-65 KIAS
MIXTURE IDLE CUTOFF
MAGNETOS OFF
FUEL SELECTOR OFF
TRANSPONDER CODE 7700
COMMUNICATIONS ... AS POSSIBLE
PASSENGERS BRIEF
TIGHTEN BELTS/HARNESSES
WHEN LANDING IS ASSURED:
FLAPS AS REQUIRED
MASTER OFF
DOORS UNLATCH
BRAKES APPLY HEAVILY

REFER TO POH 3-5

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

FIRE EXTINGUISHER READY
IGNITION SWITCH OFF
MASTER SWITCH OFF
FUEL SELECTOR OFF
FIRE EXTINGUISHER ... DISCHARGE

REFER TO POH 3-5

ENGINE FIRE (IN FLIGHT)

EMERG DESCENT ESTABLISH
FUEL SELECTOR OFF
MIXTURE IDLE CUTOFF
MASTER SWITCH OFF
CABIN HEAT / AIR OFF

REFER TO NO RESTART – FORCED LANDING
CHECKLIST

CABIN FIRE (IN FLIGHT)

MASTER SWITCH OFF
CABIN HEAT / AIR CLOSED
FIRE EXTINGUISHER ... DISCHARGE

LAND IMMEDIATELY
REFER TO NO RESTART – FORCED LANDING
CHECKLIST

EMERGENCY DESCENT

THROTTLE IDLE
BANK 30-45
AIRSPEED 123 KIAS

LAND IMMEDIATELY
REFER TO NO RESTART – FORCED LANDING
CHECKLIST

WING FIRE

EXTERIOR LIGHTS OFF
PITOT HEAT 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

AVIONICS SWITCH OFF
ALTERNATOR FIELD CB RESET
ALTERNATOR MASTER CYCLE
IF AMMETER INDICATES DISCHARGING:

ALTERNATOR MASTER OFF
LAND AS SOON AS PRACTICAL
REFER TO POH 3-11