



PREFLIGHT

VOICE RECORDER	ON
OXYGEN	TESTED, 100%
NAVIGATION & DISPLAY SW.	NORMAL, AUTO
WINDOW	HEAT
PRESSURIZATION MODE SELECTOR	AUTO
FLIGHT INSTRUMENTS	HDH __, ALTIMETER
PARKING BRAKE	SET, PRESSURE NORMAL
ENGINE START LEVERS	CUTOFF

BEFORE START

PAPERS	ABOARD
FLIGHT DECK DOOR	CLOSED AND LOCKED
FUEL	__ KGS, PUMPS ON
PASSANGER SIGNS	ON
WINDOWS	LOCKED
MCP	V2, HDG, ALT
TAKEOFF SPEEDS	V1, V2, VR
CDU PREFLIGHT	COMPLETED
RUDDER AND AILERON TRIM	FREE & ZERO
TAXI AND TO BRIEFING	COMPLETED
ANTI COLLISION LIGHT	ON

BEFORE TAXI

GENERATORS	ON
PROBE HEAT	ON
ANTI-ICE	AS RQRD
ISOLATION VALVE	AUTO
ENGINE START SWITCHES	CONT
RECALL	CHECKED
AUTOBRAKE	RTO
ENGINE START LEVERS	IDLE
FLIGHT CONTROLS	CHECKED
FLAPS	__ GREEN LIGHT
GROUND EQUIPMENT	CLEAR

BEFORE TAKEOFF

FLAPS	__ GREEN LIGHT
STABILIZER TRIM	__ UNITS
TRANSPONDER	TA/RA

AFTER TAKEOFF

ENGINE BLEEDS	ON
PACKS	AUTO
LANDING GEAR	UP and OFF
FLAPS	UP, NO LIGHTS
PRESSURIZATION	CHECKED

DESCENT

PRESSURIZATION	LAND ALT __
RECALL	CHECKED
AUTOBRAKE	__
LANDING DATA	VREF __, MINIMUMS __
APPROACH BRIEFING	COMPLETED

APPROACH

ALTIMETERS	hPa (In), X CHECKED
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LANDING

ENGINE START SWITCHES	CONT
SPEED BRAKE	ARMED
LANDING GEAR	DOWN
FLAPS	__, GREEN LIGHT

SHUTDOWN

FUEL PUMPS	AS NEEDED
PROBE HEAT	OFF
HYDRAULIX PANEL	SET
FLAPS	UP
PARKING BRAKE	__
ENGINE START LEVERS	CUTOFF
WEATHER RADAR	OFF
IR MODE SELECTOR	OFF

SECURE

FUEL PUMPS	AS RQRD
EMERGENCY EXIT LIGHT	OFF
WINDOW HEAT	OFF
PACKS	OFF
APU BLEED	OFF
LIGHTS	OFF
APU/EXT POWER	AS RQRD
BATTERY SWITCH	AS RQRD

BOEING 737-800

Aircraft	BOEING 737-800
Reference Number(s)	738
Country	USA
Payload Weight, W_p (kg)	20540 kg
Empty Weight, W_e (kg)	41145 kg
Engine Weight, W_f (kg)	2370 kg
Engine Type	Turbofan
Maximum Take Off Weight, W_0 (kg)	79015 kg
Powerplant (Motor)	CFMI CFM56-7B24/26
Power	24200 lbf-108 kN
Wing Span (m)	34,31 m
Wing Area (m)	125 m
Wing Aspect Ratio	9,41
Wing Taper Ratio	0,159
Sweep Angle ($c/4$)	25,02
Wing thickness ratio (root)	14
Wing thickness ratio (tip)	14
Airfoil (root)	B737a-il - BAC449
Airfoil (tip)	B7337b-il - BAC442
Root chord	7,88
Tip chord	1,25
Horizontal T. Volume Coeff., CHT	0,8
Vertical Tail Volume Coefficient, CVT	0,07
Max. Wing Loading, W_0/S , (lb/ft ²)	14897,2 lb/ft ²
Cruising Speed (m/s)	236 m/s
Take Off Distance (m)	2652 m
Landing Distance (m)	16134 m
Endurance (minutes)	390 minutes
Wing Structure and Materials	Aluminium alloy 7178
Fuselage Structure and Materials	Aluminium alloy 2024
Landing Gear Materials	Aluminium alloy 7175