

MICROSOFT FLIGHT SIMULATOR 2002 CHECKLIST

BOEING 777-300

SPECIFICATIONS

Cruise Speed	Mach 0.84, 555 mph, 893 kmh
Engines	P&W 4000 / RR Trent 800 / GE 90 series
Max. Range	5,960 nm, 6,859 sm, 11,038 km
Max. Operating Altitude	43,100 ft, 13,137 m
Typical Cruising Altitude	35,000 ft
Fuel Capacity	45,200 U.S. gal, 171,160 L
Max. Takeoff Weight	660,000 lb, 299,370 kg
Length	242 ft, 4 in, 73.9 m
Wingspan	199 ft, 11 in, 60.9 m
Height	60 ft, 8 in, 18.5 m
Seating Seats	386 to 550
Seating ranges	from 6- to 10-abreast with two aisles
Cargo Capacity	7,552 cu ft, 213.8 cu m



REFERENCE INFORMATION

FS Full Fuel Weight: 580,069 lbs		VREF	157 KIAS (580,000 lbs)
VMO	330 KIAS	Turbulent Air Penetration Speed: 280 KIAS / .84 MACH	
MMO	.84 MACH		
VLE	270 KIAS / .82 MACH		
VLO	270 KIAS / .82 MACH		
VFE	255 KIAS (flaps 1)		
	235 KIAS (flaps 5)		
	215 KIAS (flaps 15)		
	200 KIAS (flaps 20)		
	190 KIAS (flaps 25)		
	180 KIAS (flaps 30)		
V1	(st. temp. sea level)		
	153 KIAS (580,000 lbs)		
V1	(st. temp. 3000')		
	154 KIAS (580,000 lbs)		
VR	(st. temp. sea level)		
	156 KIAS (580,000 lbs)		
VR	(st. temp. 3000')		
	157 KIAS (580,000 lbs)		
V2	(st. temp. sea level)		
	162 KIAS (580,000 lbs)		
V2	(st. temp. 3000')		
	162 KIAS (580,000 lbs)		

LEGENDA

VMO - Max. Operating Speed (KIAS)
MMO - Max. Operating Speed (MACH)
VLE - Maximum Landing Gear Extension Speed
VLO - Maximum Gear Operating Speed
VFE - Maximum Flaps Extended Speed
V1 - Takeoff Decision Speed
VR - Rotation Speed (dry, flaps 5)
V2 - Takeoff Safety Speed (dry, flaps 5)
VREF - Landing Approach Speed (flaps 30; gear down)

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BEFORE START

- Parking Brake -- SET

ENGINE START

- Fuel Control Switches -- ON
- Throttles -- IDLE
- Engine Start Switch -- START (hold until engine starts)

AFTER START

- De-ice -- AS REQUIRED
- Flight Controls -- CHECK
- Autopilot -- SET AND OFF
- Instruments -- CHECKED
- Autobrake -- RTO (REJECTED TAKEOFF)
- Avionics Switch -- ON
- Avionics -- SET
- Trim -- SET
- Beacon Light Switch -- ON

BEFORE TAKEOFF

- Flaps -- SET FOR TAKEOFF
- Flight Director -- ON
- Autothrottle -- ARM (if using TO/GA mode for takeoff)

TAKEOFF

- Brakes -- RELEASE
- Strobe Lights -- ON
- Transponder -- ALT
- Thrust Levers -- ADVANCE TO 1.05 EPR
- Thrust Levers -- ADVANCE SMOOTHLY TO 100% N1 --or-- TO/GA Mode -- Engage
- Thrust -- VERIFY CORRECT FOR TAKEOFF
- Airspeed 80 KIAS-- CALLOUT "80 KNOTS"
- Airspeed V1 -- CALLOUT "V1"
- Airspeed VR -- CALLOUT "ROTATE" -- ROTATE TO APPROX. 10 DEGREES PITCH UP
- Airspeed V2 -- CALLOUT "V2"
- Landing Gear -- UP (WHEN POSITIVE CLIMB ESTABLISHED)
- Autopilot Heading Select switch -- ON IF DESIRED
- Airspeed -- MAINTAIN V2+15 KIAS
- Autopilot -- ENGAGE
- Flaps-- START RETRACT ON SCHEDULE AT 1,000' AGL

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CLIMB

- Autothrottle -- OFF
- Landing Lights -- OFF ABOVE 10,000' MSL
- Altimeter -- SET TO 29.92 CROSSING 18,000' MSL

CRUISE

- Thrust Levers-- AS DESIRED
- Trim -- AS NECESSARY

DESCENT

- Airspeeds (VREF, VAPP) -- COMPUTED AND SET
- Autobrake -- AS DESIRED
- De-ice -- AS REQUIRED
- Autopilot -- AS DESIRED
- Thrust Levers -- AS DESIRED
- Altimeter -- SET TO LOCAL SETTING CROSSING 18,000' MSL
- Avionics -- SET
- Airspeed -- <250 KIAS BELOW 10,000' MSL
- Landing Lights -- ON BELOW 10,000' MSL
- Approach Procedure -- REVIEW

APPROACH

- Airspeed -- AS DESIRED
- Thrust Levers -- AS DESIRED
- Flaps -- AS DESIRED
- Autopilot -- AS DESIRED

VREF 157 KIAS (580,000 lbs)

LANDING

- Airspeed -- AS DESIRED
- Thrust Levers -- AS DESIRED
- Landing Gear -- DOWN and CONFIRMED
- Flaps -- AS DESIRED
- Speedbrake -- ARMED
- Autopilot -- AS DESIRED
- Autothrottle -- ARM

LANDING ROLL

- Thrust Levers - CLOSED
- Autothrottle -- CHECK OFF
- Speedbrake Lever -- CHECK FULL UP
- Thrust Levers-- REVERSE
- Thrust Levers -- IDLE AT 60 KIAS
- Autobrake -- OFF
- Brake -- AS NECESSARY
- Autopilot -- CHECK DISENGAGED

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TAXI-IN

- Speedbrake Lever -- DOWN
- Lights -- AS DESIRED
- Flap Lever -- UP
- Transponder -- STBY

PARKING

- Parking Brake -- SET
- Fuel Control Switches -- CUTOFF
- De-ice -- OFF
- Lights -- AS REQUIRED
- Flight Director -- OFF

PILOT'S NOTES
