# BOEING 737-800
# TECHNICAL REVIEW - CHAPTER 1

## Aircraft General

DIMENSIONS

Width : 35.79 m  Lenght : 39.5 m

Wingtip radius : 22.9 m  ( do not turn away from an obstacle within 7.4 m of the nose )

EMERGENCY EXIT LIGHTS

Three positions :
- OFF (prevents unwanted illumination and unwanted battery usage)
- ARMED (emergency exit lights will illuminate with loss of DC Bus 1 or AC power off)
- ON

OVERWING EMERGENCY EXITS

4 overwing exits automatically lock when :
- 3 of 4 main doors are closed
- either engine is running
- ground/air logic sense airborne or both thrust levers above 53%

OXYGEN

Flight Crew oxygen :
One oxygen bottle in the aft E&E bay, must be pressurized 1100psi for the first flight 1000psi thereafter.
Oxygen mask has 3 modes :
- Emer (100% oxy under pressure) (use if halon is discharged in flight deck)
- 100% (100% oxy on demand)
- Norm (air/oxy mixture on demand)

Pax oxygen :
- Automatic deployment above 14'000 ft or manual deployment by crew with pax oxgyen switch.
- Chemical oxygen generation for approx 12 minutes.

COCKPIT DOOR ACCESS SYSTEM

3 lights :
- Red, indicates door is locked and lock system is operating
- Amber, indicates correct code has been entered and awaiting flight crew response
  - -> flight crew can either unlock door or deny entry
  - -> without response the flight deck door will automatically unlock
- Green, indicates door automatically unlocks

Dead bolt system : 3 positions : Unlocked, Locked Key Operable, Locked Key Inoperable