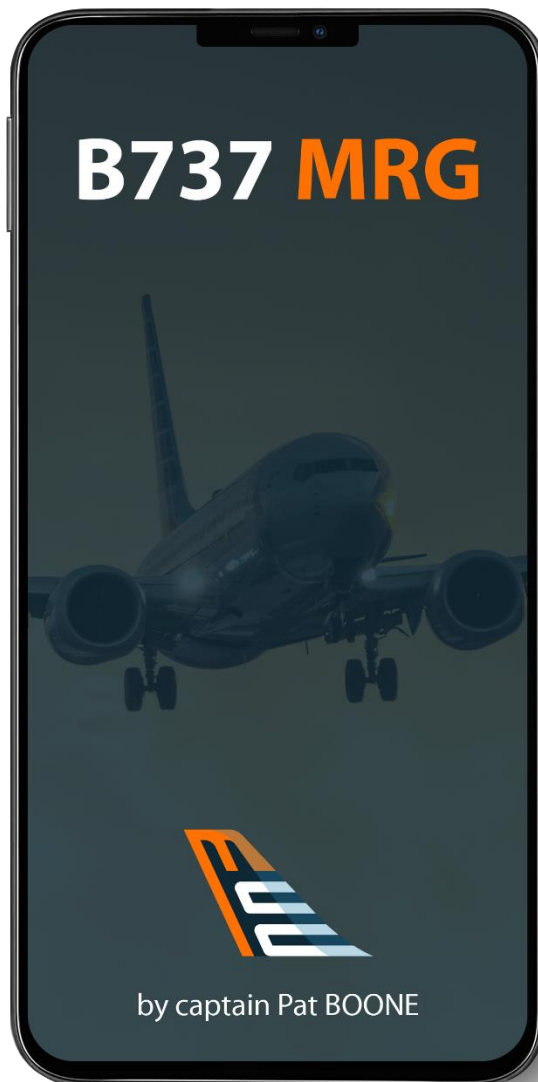


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737-300 PITCH & POWER SETTINGS

Valid for :	48.000 kg	1.013,25 hPa	15 °C	wind calm
	100,000 lbs	29.92 "Hg	59 °F	engines CFM56-3B

NORMAL OPERATION – 2 ENGINES

Phase		Body Attitude degrees pitch °	Fuel Flow kg / lbs	Engine N1 % RPM	Speed kts
Takeoff					
Flaps 5		20°	4500 kg / 10000 lbs	> 90%	V ₂ + 15 to 25 kts
Flaps 5	Reduced	17°	4500 kg / 10000 lbs	> 85%	V ₂ + 15 to 25 kts
Flaps UP	Reduced Climb	15°	3000 kg / 6500 lbs	80% - 85%	V ₂ + 15 to 25 kts
Climb					
Flaps 5 → UP	1000 fpm	9° → 7°	3000 kg / 6500 lbs	80% - 85%	→ 210 kts
Flaps UP	1000 fpm	7°	-	72%	210 kts
Flaps UP	FL050	11°	-	CLB-1-2	250 kts
Flaps UP	FL100	9°	-	CLB-1-2	250 kts
Flaps UP	FL200	7°	-	CLB-1-2	300 kts
Level Flight					
Flaps UP	FL100	2°	1300 kg / 2800 lbs	62%	300 kts
Flaps UP	FL100	4°	900 kg / 2000 lbs	55%	250 kts
Flaps UP	< FL050	6°	1000 kg / 2200 lbs	57%	210 kts
Flaps 1		6°	1000 kg / 2200 lbs	57%	190 kts
Flaps 5		6° - 7°	1200 kg / 2600 lbs	60%	170 kts
Flaps 15	Gear Down	8°	1500 kg / 3300 lbs	65%	150 kts
Descent					
Flaps UP	Idle	1°	300 kg / 700 lbs	idle	250 kts
Flaps UP	1000 fpm	3°	700 kg / 1500 lbs	50%	210 kts
Flaps 1	1000 fpm	3°	700 kg / 1500 lbs	50%	190 kts
Flaps 5	1000 fpm	3°	700 kg / 1500 lbs	50%	170 kts
3° Glide Slope					
Flaps 30	Gear Down	3°	1000 kg / 2200 lbs	57%	V _{REF30} + 5 kts
Flaps 40	Gear Down	1°	1300 kg / 2800 lbs	62%	V _{REF40} + 5 kts
Go-around					
Flaps 15	Gear Up	15°	-	85%	V _{REF} + 15 kts

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ONE ENGINE OUT – OPERATION

Phase		Body Attitude degrees pitch °	Fuel Flow kg / lbs	Engine N1 % RPM	Speed kts
Engine Failure at V1					
Flaps 5		13° to 15°	4500 kg / 10000 lbs	> 90%	V ₂
Level Flight					
Flaps 5 → UP		10° → 7°	4500 kg / 10000 lbs	> 90%	V ₂ → 210 kts
Flaps UP		5°	1800 kg / 4000 lbs	70%	210 kts
Flaps 1		6°	1800 kg / 4000 lbs	70%	190 kts
Flaps 5		6°	1900 kg / 4200 lbs	72%	170 kts
Flaps 15	Gear Down	8°	2800 kg / 6200 lbs	80%	150 kts
Descent					
Flaps UP	Idle	1°	300 kg / 700 lbs	idle	250 kts
Flaps UP	1000 fpm	3°	700 kg / 1500 lbs	45% - 50%	210 kts
Flaps 1	1000 fpm	3°	700 kg / 1500 lbs	45% - 50%	190 kts
Flaps 5	1000 fpm	2°	700 kg / 1500 lbs	45% - 50%	170 kts
3° Glide Slope					
Flaps 15	Gear Down	5°	1400 kg / 3100 lbs	62%	V _{REF15} + 5 kts
Go-around					
Flaps 1	Gear Up	13° - 15°	-	> 90%	V _{REF15} + 5 kts