

Airspeeds

Altitudes

KMH	KNOTS		KMH	KNOTS	Mach
100	54		450	243	
110	59		500	270	
120	65		550	297	
130	70		600	324	VLo
140	76		650	351	
150	81		700	378	
160	86		750	405	
170	92		800	432	
180	97		850	459	
190	103		900	486	
200	108		950	513	
210	113		1000	540	
220	119		1050	567	
230	124		1100	594	
240	130		1150	621	
250	135		1200	648	
260	140		1250	675	
270	146		1300	702	
280	151		1350	729	2.0 VMo
290	157		1400	756	
300	162				
310	167				
320	173	VMt			
330	178				
340	184				
350	189				
360	194				
370	200				
380	205				
390	211				
400	216				

FL	Feet	meter	FL	Feet	meter
	1500	450	150	15000	4550
	2000	600	160	16000	4900
	2500	750	170	17000	5200
	3000	900	180	18000	5500
35	3500	1050	190	19000	5800
40	4000	1200	200	20000	6100
45	4500	1350	210	21000	6400
50	5000	1500	220	22000	6700
60	6000	1850	230	23000	7000
70	7000	2150	240	24000	7300
80	8000	2450	250	25000	7600
90	9000	2750	260	26000	7900
100	10000	3050	270	27000	8250
110	11000	3350	280	28000	8550
120	12000	3650	290	29000	8850
130	13000	3950	310	31000	9450
140	14000	4250	330	33000	10050

Vertical Speed	
mps	ft/min
1	197
2	394
3	591
4	787
5	984

Distance	
1 Mil	10km

Service ceiling	
m	ft
20000	65617

Economic Airspeeds	
Altitude (m)	Mach
0	M 0.55
3000	M 0.66
6000	M 0.76
9000	M 0.87
10000	M 0.9

(Wind) Speed	
1 m/s	3.6 km/h
1 knot	1.852 km/h

- Takeoff Range
- Touchdown Range
- VLo
- VMo
- VMt
- Maximum landing gear operating speed
- Maximum operating speed
- Maximum tyre speed