

Project Airbus A318

Modified by François Doré

Checklist

Version of this package :

- **A318-100** Airbus Industrie code **WV004**
- Two classes cabin– 8 + 99 seats (total = 107)
- CFM Version: 2 **CFM56-5B9** 23,300 lbs (103.64 kN) thrust

Weights	Kilograms	Lbs
Empty weight (OEW) CFM engine	38 818	85 579
Empty weight (OEW) IAE engines	66 400	146 387
Maximum taxi weight (MRW)	66 000	145 505
Maximum Takeoff weight (MTOW)	57 500	126 766
Maximum Landing weight (MLW)	38 818	85 579

Dimensions	Meters	Feet
Lenght	31.45	103.18
Width	34.10	111.88

Capacités	Liters / Kg	US Gallons / Lbss
Maximum Fuel capacity	23 859 liters	6 303 Gallons
Maximum fuel Weight	18 729 kg	41 290 pounds
Pax Seats	107 to 132 (107 for this 2 classes version))	

Maximum operational speeds :

- Maximum tires landing speed : 195 kts
- Maximum operational speed (VMO) : 350 KIAS
- Maximum retractation landing gear (VLO) : 220 KIAS
- Maximum expand landing gear speed (VLE) : 250 KIAS
- Cruise speed (FL33) : Mach 0.77
- Maximum operational speed : Mach 0,825

Maximum turbulence penetration :

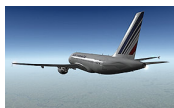
- bellow 20 000 feet : 270 KIAS
- above 20 000 pieds : 300 KIAS

Stall speed in charge :

- no flaps : 128 KIAS
- « Full Flaps » configuration : 100 KIAS

Maximum crosswind for takeoff and landing :

- For Takeoff and landing : 29 kts
- ILS CAT III Landing : 15 kts
- Maximum gust : 38 kts
- Maximum Tailwind takeoff : 15 kts
- Maximum tailwind landing : 10 kts



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Take off Speeds Flaps : 1+F

Weight / Lbs	Weight / kg	V1	Vr	V2
145 505	66.000	127	145	148
141 100	64.000	124	142	145
136 700	62.000	122	140	143
132 300	60.000	120	138	141
127 900	58.000	117	135	138
123 500	56.000	116	133	136
119 000	54.000	116	131	134
114 600	52.000	116	126	131

Take off Speeds Flaps : 2

Weight / Lbs	Weight / kg	V1	Vr	V2
145 505	66.000	127	140	146
141 100	64.000	124	137	143
136 700	62.000	122	135	141
132 300	60.000	120	133	139
127 900	58.000	114	131	137
123 500	56.000	114	128	134
119 000	54.000	114	123	132

Take off Speeds Flaps : 3

Weight / Lbs	Weight / kg	V1	Vr	V2
145 505	66.000	121	140	145
141 100	64.000	118	137	142
136 700	62.000	116	135	140
132 300	60.000	114	132	138
127 900	58.000	113	130	135
123 500	56.000	113	128	133
119 000	54.000	113	126	131

Landing speeds flaps 4 (Full)

Weight / Lbs	Weight / kg	Vref / Kts
126 765	57.500	130
123 500	56.000	127
119 000	54.000	124
114 600	52.000	121
110 200	50.000	118
105 800	48.000	116
101 400	46.000	114