

COMMERCIAL AIRCRAFT OF THE WORLD

Type Powerplant	Dimensions Span(m) Length(m) Height (m) Wing area(m ²) /sweep(°) (1/4 chord)	Landing gear Track Wheelbase Turn radius (m)	Accommodation Max seating No./pitch cm/ abreast Hold vol m ³ compartments Press diff bars	Weights Ramp Take-off Landing Zero-fuel Ops-empty (kg)	Fuel Standard Optional (lit)	FAR field lengths at gross weight (m)		Speeds kt/Mach V ₂ V _{AT} V _{ND} /M _{MO} V _{NE} /M _{NE}	Cruise performance Speed (kt) Altitude Fuel consumption (kg/h)		Payload- range Max payload- load-range Max fuel kg km
						Take-off	Landing		Max cruise	Long range	

Deutsche Aerospace-Aerospatale-Alenia

DAA 92

P & W/MTU RTF-180

BMW R-R BR715

Snecma M123, Allison GMA3014

30.36	6.75	104/73/5	42,390	10,700	1,525	1,525	—	—	—	—
28.53	11.22	21.83/2	42,290	16,050	—	—	130	—	—	—
10.28	—	0.55	40,180	—	—	—	340	—	—	—
96.0/23.5	—	—	36,030	—	—	—	370	—	—	—
			25,800							

DAA 122

P & W/MTU RTF-180

BMW R-R BR715

Snecma M123, Allison GMA3014

30.36	6.75	134/73/5	49,840	16,050	1,600	1,600	—	—	—	14,800
34.63	14.27	34.93/2	49,740	—	—	—	135	—	—	1,500
10.28	—	0.55	47,250	—	—	—	340	—	—	8,400
96.0/23.5	—	—	43,730	—	—	—	370	—	—	4,670
			28,960							

FOKKER

Fokker 100

2 x 61.6kN R-R Tay 620-15 turbofans

28.08	5.04	122/74/5	43,320	13,465	1,855	1,320	136	456	398	11,460
35.53	14.01	17.08/2	43,090	—	2,305	1,320	128	27,000	35,000	2,680
8.50	20.07	0.50	38,780	—	2,615	1,465	320/0.77	2,502	1,633	8,016
93.50/17.4	—	—	35,835	—	3,035	1,465	380/0.84	—	—	4,426
			24,375							

Fokker 100

2 x 67.2kN R-R Tay 650-15 turbofans

28.08	5.04	122/74/5	44,680	13,465	1,720	1,350	138	459	392	12,235
35.53	14.01	17.08/2	44,450	—	1,895	1,350	130	27,000	35,000	2,895
8.50	20.07	0.50	39,915	—	2,650	1,495	320/0.77	2,555	1,596	9,252
93.50/17.4	—	—	36,740	—	3,000	1,495	380/0.84	—	—	4,347
			24,505							

LASC

L-100-20 Hercules

4 x 3,399kW Allison 501-D22A turboprops

40.41	4.34	n/a/—	70,670	26,343	1,629	1,433	132	315	279	23,542
32.33	11.30	150/1	70,308	36,621	2,057	1,433	126	20,000	20,000	3,182
11.75	13.1	0.47	58,968	—	2,438	1,646	234/0.51	2,322	1,900	15,265
162.0/Nil	—	—	57,607	—	2,551	1,646	250/0.56	—	—	5,780
			34,064							

L-100-30 Hercules

4 x 3,399kW Allison 501-D22A turboprops

40.41	4.34	97/76/6	70,670	26,343	1,829	1,472	132	315	279	23,102
34.36	12.31	172/1	70,308	36,621	2,057	1,472	128	20,000	20,000	3,182
11.72	14.3	0.47	61,236	—	2,438	1,713	238/0.52	2,322	1,900	15,029
162.0/Nil	—	—	57,607	—	2,551	1,713	250/0.56	—	—	5,780
			34,504							

L-1011-1 TriStar

3 x 187kN R-R RB.211-22B turbofans

47.35	10.9	400/76/10	195,951	89,267	2,423	1,737	153	512	477	37,771
54.33	21.33	110.4/3	195,044	—	2,940	1,737	138	33,000	33,000	5,465
18.88	43.00	0.60	162,386	—	2,926	1,951	375/0.90	8,165	6,985	13,465
321.5/35	—	—	147,417	—	3,720	1,961	435/0.95	—	—	9,075
			109,647							

L-1011-100 TriStar

3 x 187kN R-R RB.211-22B turbofans

47.35	10.9	400/76/10	212,281	100,000	3,292	1,768	159	512	483	33,355
54.20	21.34	110.4/3	211,374	—	3,475	1,768	143	33,000	33,000	7,464
18.88	43.00	0.60	166,922	—	4,115	1,996	375/0.90	7,938	6,895	19,138
321.5/35	—	—	145,150	—	3,719	1,996	435/0.95	—	—	9,555
			111,795							

L-1011-200 TriStar

3 x 222kN R-R RB.211-524B turbofans

47.35	10.9	400/76/10	212,281	100,000	2,347	1,768	165	512	489	32,395
54.20	21.34	110.4/3	211,374	—	2,621	1,768	144	33,000	33,000	7,890
18.88	43.00	0.60	166,922	—	3,231	1,996	375/0.90	7,938	7,167	18,345
321.5/35	—	—	145,150	—	3,215	1,996	435/0.95	—	—	10,040
			112,690							