

TABLE 3.1 Values of Aerodynamic Resistance Coefficient and Frontal Area for Passenger Cars

Vehicle Type	Aerodynamic Resistance Coefficient C_D	Frontal Area A_f	
		m ²	ft ²
Mini Cars			
Fiat Uno ES	0.33–0.34	1.83	19.70
Peugeot 205GL	0.35–0.37	1.74	18.73
Honda Civic 1.2	0.37–0.39	1.72	18.51
VW Polo Coupe	0.39–0.40	1.72	18.51
Nissan Micra GL	0.40–0.41	1.78	19.16
Low Medium Size			
VW Golf GTI	0.35–0.36	1.91	20.56
VW Jetta GT	0.36–0.37	1.91	20.56
Ford Escort 1.3 GL	0.39–0.41	1.83	19.70
Mazda 323 1.5	0.41–0.43	1.78	19.16
Toyota Corolla 1300 DX	0.45–0.46	1.76	18.95
Medium Size			
VW Passat CL	0.36–0.37	1.89	20.34
Audi 80CC	0.38–0.39	1.86	20.02
BMW 318i (320i)	0.39–0.40	1.86	20.02
Honda Accord 1.8 EX	0.40–0.42	1.88	20.24
Nissan Stanza Notchback	0.41–0.43	1.88	20.24
Upper Medium Size			
Audi 100 1.8	0.30–0.31	2.05	22.07
Mercedes 190E (190D)	0.33–0.35	1.90	20.45
BMW 518i (520i, 525e)	0.36–0.38	2.02	21.74
Saab 900 GLi	0.40–0.42	1.95	20.99
Volvo 740 GLE	0.40–0.42	2.16	23.25
Luxury Cars			
Saab 9000 Turbo 16	0.34–0.36	2.05	22.07
Jaguar XL-S	0.40–0.41	1.92	20.67
Mercedes 500 SEL	0.36–0.37	2.16	23.25
Peugeot 604 STI	0.41–0.43	2.05	22.07
BMW 728i (732i/735i)	0.42–0.44	2.13	22.93
Sports Cars			
Porsche 924	0.31–0.33	1.80	19.38
Renault Fuego GTX	0.34–0.37	1.82	19.59
VW Scirocco GTX	0.38–0.39	1.74	18.73
Toyota Celica Supra 2.8i	0.37–0.39	1.83	19.70
Honda Prelude	0.38–0.40	1.84	19.81

Source: Reference 3.9.