



CIRCUIT DATA

Length: 4,655 m
Number of laps: 66
Type of circuit: Medium
Number of brakings: 8
Time spent under braking per lap: 13%

CIRCUIT DE BARCELONA-CATALUNYA (CATALUNYA)

The is the circuit which is used most for winter testing so the teams and drivers know it quite well. The track's level of grip is always very high and, with about 13% of every lap spent on the brakes, it can be considered a medium demanding track for the brakes. On the other hand, the straight stretches allow efficient heat dissipation between one braking section and the next. The most demanding braking section is made up of the ELF turn, which is also on a downhill and has deceleration greater than 5 Gs.

*** Turn 01 is considered the most demanding for the braking system.**

01*

Initial speed	321	(Km/h)
Final speed	136	(Km/h)
Stopping distance	78	(m)
Braking time	1.17	(sec)
Maximum deceleration	5.36	(g)
Maximum pedal load	129	(Kg)
Braking power	2107	(Kw)

05

Initial speed	250	(Km/h)
Final speed	105	(Km/h)
Stopping distance	73	(m)
Braking time	1.49	(sec)
Maximum deceleration	3.72	(g)
Maximum pedal load	91	(Kg)
Braking power	1176	(Kw)

10

Initial speed	301	(Km/h)
Final speed	68	(Km/h)
Stopping distance	110	(m)
Braking time	2.20	(sec)
Maximum deceleration	4.84	(g)
Maximum pedal load	118	(Kg)
Braking power	1812	(Kw)

13

Initial speed	216	(Km/h)
Final speed	135	(Km/h)
Stopping distance	47	(m)
Braking time	0.98	(sec)
Maximum deceleration	3.07	(g)
Maximum pedal load	76	(Kg)
Braking power	841	(Kw)

04

Initial speed	288	(Km/h)
Final speed	153	(Km/h)
Stopping distance	64	(m)
Braking time	1.03	(sec)
Maximum deceleration	4.53	(g)
Maximum pedal load	111	(Kg)
Braking power	1634	(Kw)

07

Initial speed	260	(Km/h)
Final speed	149	(Km/h)
Stopping distance	62	(m)
Braking time	1.12	(sec)
Maximum deceleration	3.91	(g)
Maximum pedal load	96	(Kg)
Braking power	1278	(Kw)

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Initial speed	200	(Km/h)
Final speed	138	(Km/h)
Stopping distance	23	(m)
Braking time	0.46	(sec)
Maximum deceleration	2.79	(g)
Maximum pedal load	68	(Kg)
Braking power	695	(Kw)

14

Initial speed	169	(Km/h)
Final speed	79	(Km/h)
Stopping distance	41	(m)
Braking time	1.15	(sec)
Maximum deceleration	2.29	(g)
Maximum pedal load	56	(Kg)
Braking power	479	(Kw)