



CIRCUIT DATA

Length: 5,901 m
Number of laps: 52
Type of circuit: Light
Number of brakings: 9
Time spent under braking per lap: 8%

SILVERSTONE CIRCUIT (SILVERSTONE)

This is perhaps the least demanding track for the braking system with just 8% of each lap spent on the brakes. In fact, it is a very "driven" circuit where the long, fast turns generally translate into not-too-demanding braking sections. In the event of adverse weather conditions, given the low energy forces in play, there can be problems connected to excessive cooling and the "glazing" of the friction material. In fact, the carbon the discs and pads are made from do not guarantee correct friction generation if the operating temperatures are too low, thereby compromising braking performance.

*** Turn 03 is considered the most demanding for the braking system.**

03*

Initial speed	290	(Km/h)
Final speed	105	(Km/h)
Stopping distance	90	(m)
Braking time	1.68	(sec)
Maximum deceleration	4.70	(g)
Maximum pedal load	115	(Kg)
Braking power	1709	(Kw)

06

Initial speed	310	(Km/h)
Final speed	176	(Km/h)
Stopping distance	70	(m)
Braking time	1.07	(sec)
Maximum deceleration	5.19	(g)
Maximum pedal load	124	(Kg)
Braking power	1990	(Kw)

08

Initial speed	299	(Km/h)
Final speed	290	(Km/h)
Stopping distance	5	(m)
Braking time	0.05	(sec)
Maximum deceleration	4.90	(g)
Maximum pedal load	82	(Kg)
Braking power	190	(Kw)

12

Initial speed	227	(Km/h)
Final speed	202	(Km/h)
Stopping distance	14	(m)
Braking time	0.24	(sec)
Maximum deceleration	3.35	(g)
Maximum pedal load	81	(Kg)
Braking power	959	(Kw)

16

Initial speed	274	(Km/h)
Final speed	106	(Km/h)
Stopping distance	91	(m)
Braking time	1.83	(sec)
Maximum deceleration	4.34	(g)
Maximum pedal load	106	(Kg)
Braking power	1490	(Kw)

04

Initial speed	160	(Km/h)
Final speed	96	(Km/h)
Stopping distance	27	(m)
Braking time	0.72	(sec)
Maximum deceleration	2.21	(g)
Maximum pedal load	50	(Kg)
Braking power	414	(Kw)

07

Initial speed	181	(Km/h)
Final speed	127	(Km/h)
Stopping distance	18	(m)
Braking time	0.39	(sec)
Maximum deceleration	2.52	(g)
Maximum pedal load	58	(Kg)
Braking power	556	(Kw)

09

Initial speed	281	(Km/h)
Final speed	254	(Km/h)
Stopping distance	14	(m)
Braking time	0.18	(sec)
Maximum deceleration	4.49	(g)
Maximum pedal load	109	(Kg)
Braking power	1594	(Kw)

15

Initial speed	314	(Km/h)
Final speed	230	(Km/h)
Stopping distance	42	(m)
Braking time	0.56	(sec)
Maximum deceleration	5.29	(g)
Maximum pedal load	127	(Kg)
Braking power	2051	(Kw)