



CIRCUIT DATA

Length: 5,380 m
Number of laps: 22
Type of circuit: Medium
Number of brakings: 8
Time spent under braking per lap: 18%

LOSAIL INTERNATIONAL CIRCUIT (DOHA)

The Doha Circuit, used for the first time in 2004, involves the braking system quite significantly, with a first cut out after the finishing line which is quite demanding. In fact, it is one of the most difficult cut outs in the work and requires the driver to apply to the lever a force of 8 kg and with a "jump in speed" of fully 250 km/h. The GP is held under floodlights, thanks to which it is possible to see the carbon brake discs which become incandescent during the more abrupt cut outs. This phenomenon, even though rather frequent, cannot be seen during the other GP because of the sunlight which makes the chromatic change of the discs following thermal stress much less noticeable.

01

Initial speed	357	(Km/h)
Final speed	107	(Km/h)
Stopping distance	263	(m)
Braking time	5.1	(sec)
Maximum deceleration	1.4	(g)
Max force on lever	8	(Kg)

02

Initial speed	236	(Km/h)
Final speed	122	(Km/h)
Stopping distance	145	(m)
Braking time	3.5	(sec)
Maximum deceleration	1.2	(g)
Max force on lever	4.3	(Kg)

04

Initial speed	282	(Km/h)
Final speed	159	(Km/h)
Stopping distance	160	(m)
Braking time	2.9	(sec)
Maximum deceleration	1.3	(g)
Max force on lever	5.9	(Kg)

06

Initial speed	232	(Km/h)
Final speed	106	(Km/h)
Stopping distance	143	(m)
Braking time	4.3	(sec)
Maximum deceleration	1.2	(g)
Max force on lever	5	(Kg)

07

Initial speed	257	(Km/h)
Final speed	118	(Km/h)
Stopping distance	191	(m)
Braking time	4.2	(sec)
Maximum deceleration	1.2	(g)
Max force on lever	5	(Kg)

10

Initial speed	226	(Km/h)
Final speed	153	(Km/h)
Stopping distance	150	(m)
Braking time	2.8	(sec)
Maximum deceleration	1.1	(g)
Max force on lever	3.7	(Kg)

15

Initial speed	283	(Km/h)
Final speed	184	(Km/h)
Stopping distance	223	(m)
Braking time	4.4	(sec)
Maximum deceleration	1.3	(g)
Max force on lever	4.2	(Kg)

16

Initial speed	278	(Km/h)
Final speed	136	(Km/h)
Stopping distance	190	(m)
Braking time	4.3	(sec)
Maximum deceleration	1.3	(g)
Max force on lever	6.4	(Kg)