



**CIRCUIT DATA**

**Length: 5,412 m**  
**Number of laps: 57**  
**Type of circuit: Hard**  
**Number of brakings: 8**  
**Time spent under braking per lap: 17%**

**BAHRAIN INTERNATIONAL CIRCUIT (SAKHIR)**

Definitely one of the most demanding circuits for brakes. The races on the Sakhir track, surrounded by the desert, are characterised by high temperatures that increase mechanical grip and make it difficult to dissipate the heat generated during braking. This aspect, combined with the presence of numerous high energy braking sections which are quite close together, makes Sakhir a hard test bench for all the braking system components which are continuously stressed by the high energy forces and the hellishly hot temperatures. If the drivers want to finish the race, the high wear of the friction material is the biggest danger that must be avoided.

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

**01\***

Initial speed	319	(Km/h)
Final speed	60	(Km/h)
Stopping distance	137	(m)
Braking time	2.89	(sec)
Maximum deceleration	5.0	(g)
Maximum pedal load	119	(Kg)
Braking power	1940	(Kw)

**05**

Initial speed	249	(Km/h)
Final speed	195	(Km/h)
Stopping distance	32	(m)
Braking time	0.51	(sec)
Maximum deceleration	3.5	(g)
Maximum pedal load	83	(Kg)
Braking power	1065	(Kw)

**10**

Initial speed	231	(Km/h)
Final speed	65	(Km/h)
Stopping distance	92	(m)
Braking time	2.37	(sec)
Maximum deceleration	3.2	(g)
Maximum pedal load	74	(Kg)
Braking power	901	(Kw)

**13**

Initial speed	266	(Km/h)
Final speed	140	(Km/h)
Stopping distance	75	(m)
Braking time	1.38	(sec)
Maximum deceleration	3.84	(g)
Maximum pedal load	93	(Kg)
Braking power	1259	(Kw)

**04**

Initial speed	294	(Km/h)
Final speed	112	(Km/h)
Stopping distance	99	(m)
Braking time	1.82	(sec)
Maximum deceleration	4.4	(g)
Maximum pedal load	106	(Kg)
Braking power	1604	(Kw)

**08**

Initial speed	240	(Km/h)
Final speed	71	(Km/h)
Stopping distance	85	(m)
Braking time	1.91	(sec)
Maximum deceleration	3.3	(g)
Maximum pedal load	80	(Kg)
Braking power	980	(Kw)

**11**

Initial speed	302	(Km/h)
Final speed	146	(Km/h)
Stopping distance	83	(m)
Braking time	1.37	(sec)
Maximum deceleration	4.6	(g)
Maximum pedal load	110	(Kg)
Braking power	1704	(Kw)

**14**

Initial speed	299	(Km/h)
Final speed	120	(Km/h)
Stopping distance	97	(m)
Braking time	1.72	(sec)
Maximum deceleration	4.52	(g)
Maximum pedal load	109	(Kg)
Braking power	1661	(Kw)