

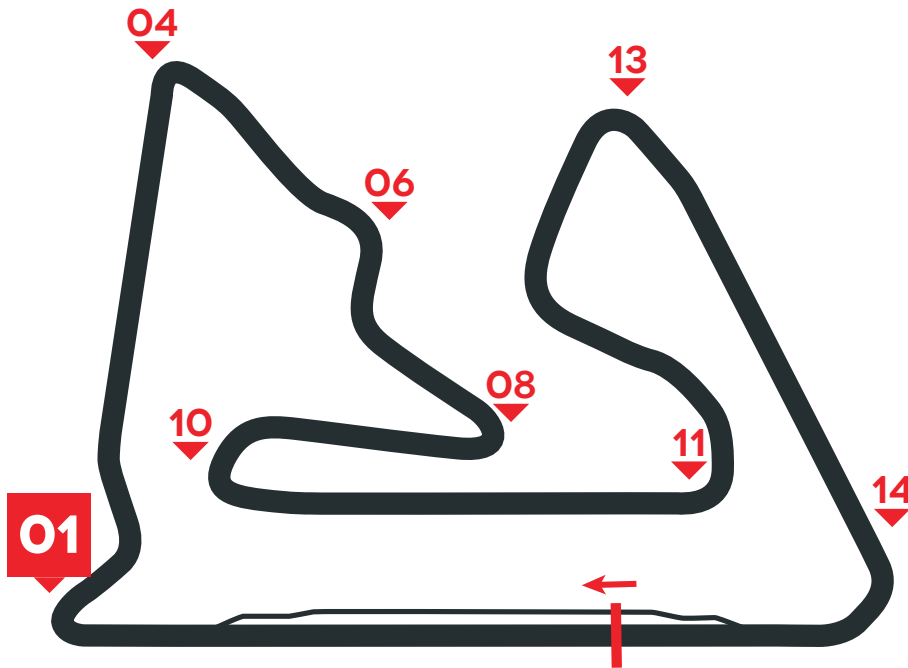
# 2019 FORMULA 1 GULF AIR BAHRAIN GRAND PRIX



**BRAKE CIRCUIT  
IDENTITY CARDS**  
29-31 MAR 2019

BRAKES EFFORT **HARD**

TIME SPENT BRAKING **18%**



**brembo** DATA

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.

## CIRCUIT DATA

Length: **5,389 m** - Number of laps: **57**  
Number of brake zones/lap: **8**

## IMPORTANT

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

Should you publish any of the data contained here please quote Brembo as source used.

01*		
Initial speed	331	(Km/h)
Final speed	83	(Km/h)
Stopping distance	118	(m)
Braking time	2.40	(sec)
Maximum deceleration	5.5	(g)
Maximum pedal load	212	(Kg)
Braking power	3068	(Kw)

08		
Initial speed	269	(Km/h)
Final speed	87	(Km/h)
Stopping distance	112	(m)
Braking time	2.62	(sec)
Maximum deceleration	3.7	(g)
Maximum pedal load	156	(Kg)
Braking power	1741	(Kw)

13		
Initial speed	283	(Km/h)
Final speed	148	(Km/h)
Stopping distance	90	(m)
Braking time	1.60	(sec)
Maximum deceleration	4.0	(g)
Maximum pedal load	104	(Kg)
Braking power	1390	(Kw)

04		
Initial speed	299	(Km/h)
Final speed	132	(Km/h)
Stopping distance	106	(m)
Braking time	1.99	(sec)
Maximum deceleration	4.4	(g)
Maximum pedal load	140	(Kg)
Braking power	1940	(Kw)

10		
Initial speed	271	(Km/h)
Final speed	86	(Km/h)
Stopping distance	120	(m)
Braking time	2.70	(sec)
Maximum deceleration	3.5	(g)
Maximum pedal load	151	(Kg)
Braking power	1624	(Kw)

14		
Initial speed	309	(Km/h)
Final speed	137	(Km/h)
Stopping distance	101	(m)
Braking time	1.81	(sec)
Maximum deceleration	4.9	(g)
Maximum pedal load	143	(Kg)
Braking power	2029	(Kw)

06		
Initial speed	268	(Km/h)
Final speed	210	(Km/h)
Stopping distance	60	(m)
Braking time	0.92	(sec)
Maximum deceleration	2.3	(g)
Maximum pedal load	34	(Kg)
Braking power	369	(Kw)

11		
Initial speed	315	(Km/h)
Final speed	178	(Km/h)
Stopping distance	92	(m)
Braking time	1.44	(sec)
Maximum deceleration	4.7	(g)
Maximum pedal load	109	(Kg)
Braking power	1625	(Kw)