



FORMULA 1

06-08 OCT 2023 @ QATAR GRAND PRIX

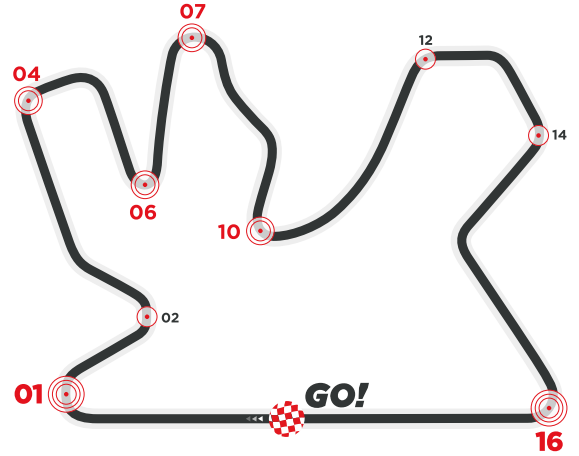
BRAKE CIRCUIT IDENTITY CARD

LUSAIL INTERNATIONAL CIRCUIT

Two years after the first edition, Formula 1 returns to Qatar for the sixth to last GP of the season. The Lusail track is marked by curves to be taken at high and medium speed, although there is a straight over a kilometer long. The drivers will be able to enjoy new asphalt but the desert sand risks dirtying the track, affecting the trajectories and the braking power released to the ground.

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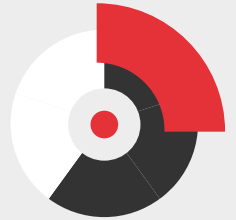
CIRCUIT LENGTH: **5.419 Km**
 NUMBER OF LAPS: **57**



TIME SPENT BRAKING:
15%

TURN 01*, TURN 16* & TURN 10* ARE CONSIDERED THE MOST DEMANDING FOR THE BRAKING SYSTEM

BRAKES EFFORT:
MEDIUM



09 BRAKE ZONES / LAP

01 TURN	Initial Speed (km/h)	310
	Final Speed (km/h)	146
	Stopping Distance (m)	118
	Braking Time (sec)	2.04
	Maximum Deceleration (g)	4.1
	Maximum Pedal Load (kg)	115
	Braking Power (kW)	2028

02 TURN	Initial Speed (km/h)	232
	Final Speed (km/h)	161
	Stopping Distance (m)	64
	Braking Time (sec)	1.19
	Maximum Deceleration (g)	2.9
	Maximum Pedal Load (kg)	70
	Braking Power (kW)	981

04 TURN	Initial Speed (km/h)	280
	Final Speed (km/h)	213
	Stopping Distance (m)	56
	Braking Time (sec)	0.84
	Maximum Deceleration (g)	3.2
	Maximum Pedal Load (kg)	73
	Braking Power (kW)	1210

06 TURN	Initial Speed (km/h)	251
	Final Speed (km/h)	91
	Stopping Distance (m)	100
	Braking Time (sec)	2.47
	Maximum Deceleration (g)	3.9
	Maximum Pedal Load (kg)	117
	Braking Power (kW)	1632

07 TURN	Initial Speed (km/h)	248
	Final Speed (km/h)	137
	Stopping Distance (m)	95
	Braking Time (sec)	1.88
	Maximum Deceleration (g)	3.4
	Maximum Pedal Load (kg)	97
	Braking Power (kW)	1357

10 TURN	Initial Speed (km/h)	269
	Final Speed (km/h)	140
	Stopping Distance (m)	93
	Braking Time (sec)	1.86
	Maximum Deceleration (g)	4.1
	Maximum Pedal Load (kg)	125
	Braking Power (kW)	1845

12 TURN	Initial Speed (km/h)	278
	Final Speed (km/h)	270
	Stopping Distance (m)	10
	Braking Time (sec)	0.13
	Maximum Deceleration (g)	2.3
	Maximum Pedal Load (kg)	35
	Braking Power (kW)	598

14 TURN	Initial Speed (km/h)	268
	Final Speed (km/h)	259
	Stopping Distance (m)	9
	Braking Time (sec)	0.12
	Maximum Deceleration (g)	2.8
	Maximum Pedal Load (kg)	53
	Braking Power (kW)	849

16 TURN	Initial Speed (km/h)	287
	Final Speed (km/h)	157
	Stopping Distance (m)	95
	Braking Time (sec)	1.72
	Maximum Deceleration (g)	4.1
	Maximum Pedal Load (kg)	122
	Braking Power (kW)	1947