

12-14 JUN 2015

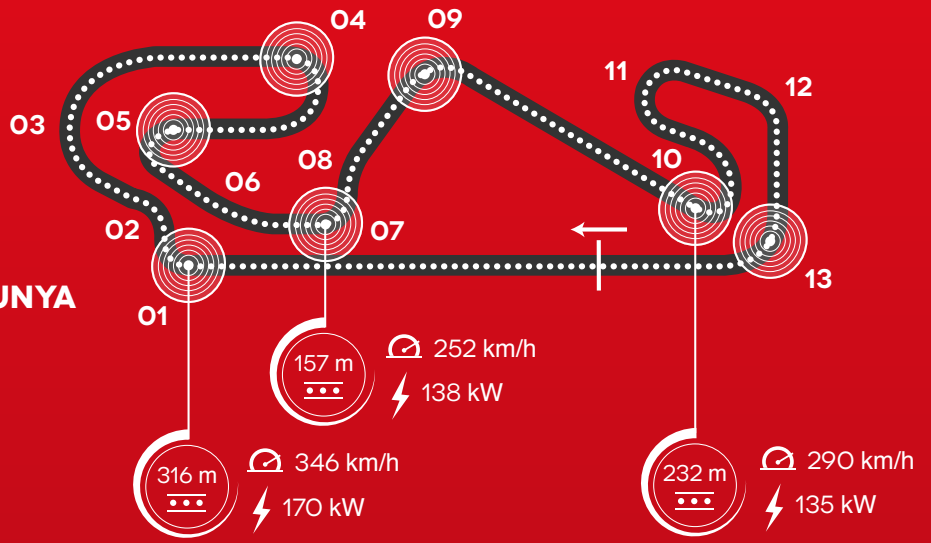
**CIRCUIT DE BARCELONA-CATALUNYA  
(CATALUNYA)**

BRAKE CATEGORIZATION **HARD**

TIME SPENT BRAKING **23%**

BRAKING ENERGY PRODUCED BY A BIKE DURING THE GP **6.2 kWh**

INITIAL SPEED STOPPING DISTANCE



**CIRCUIT DATA**

**Length: 4,727 m**  
**Number of laps: 25**  
**Number of brakings: 7**

**COMMENTO**

It is considered a very technical track with abrupt braking which stress the brakes considerably. The first brake after the finishing line at the end of a very long straight stretch where the motorcycles are involved in one of the most difficult cut off of the World Championship, must be pointed out in particular. The major criticalities for the braking system derive precisely because of the difficulty in cooling the brakes. The cut outs, all decisive and very close together, determine very high operating temperatures for the discs and brake pads which cannot cool sufficiently in the mixed part of the track.

**01**

Initial speed	346	(Km/h)
Final speed	123	(Km/h)
Stopping distance	316	(m)
Braking time	5.9	(sec)
Maximum deceleration	1.6	(g)
Max force on lever	6.2	(Kg)

**05**

Initial speed	214	(Km/h)
Final speed	109	(Km/h)
Stopping distance	156	(m)
Braking time	3.9	(sec)
Maximum deceleration	1.3	(g)
Max force on lever	5.3	(Kg)

**09**

Initial speed	236	(Km/h)
Final speed	132	(Km/h)
Stopping distance	133	(m)
Braking time	3.2	(sec)
Maximum deceleration	1.3	(g)
Max force on lever	4.5	(Kg)

**13**

Initial speed	228	(Km/h)
Final speed	159	(Km/h)
Stopping distance	128	(m)
Braking time	2.7	(sec)
Maximum deceleration	1.2	(g)
Max force on lever	4.0	(Kg)

**04**

Initial speed	277	(Km/h)
Final speed	130	(Km/h)
Stopping distance	220	(m)
Braking time	5.2	(sec)
Maximum deceleration	1.4	(g)
Max force on lever	5.0	(Kg)

**07**

Initial speed	252	(Km/h)
Final speed	123	(Km/h)
Stopping distance	157	(m)
Braking time	3.6	(sec)
Maximum deceleration	1.4	(g)
Max force on lever	5.6	(Kg)

**10**

Initial speed	290	(Km/h)
Final speed	105	(Km/h)
Stopping distance	232	(m)
Braking time	5.3	(sec)
Maximum deceleration	1.3	(g)
Max force on lever	6.0	(Kg)