



**CIRCUIT DATA**

**Length: 4,727 m**  
**Number of laps: 25**  
**Type of circuit: Hard**  
**Number of brakings: 7**  
**Time spent under braking per lap: 23%**

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

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	344	(Km/h)
Final speed	122	(Km/h)
Stopping distance	318	(m)
Braking time	5.9	(sec)
Maximum deceleration	1.6	(g)
Max force on lever	6.2	(Kg)

**05**

Initial speed	213	(Km/h)
Final speed	109	(Km/h)
Stopping distance	157	(m)
Braking time	3.9	(sec)
Maximum deceleration	1.3	(g)
Max force on lever	5.3	(Kg)

**09**

Initial speed	235	(Km/h)
Final speed	131	(Km/h)
Stopping distance	134	(m)
Braking time	3.2	(sec)
Maximum deceleration	1.3	(g)
Max force on lever	4.5	(Kg)

**13**

Initial speed	227	(Km/h)
Final speed	158	(Km/h)
Stopping distance	129	(m)
Braking time	2.7	(sec)
Maximum deceleration	1.2	(g)
Max force on lever	4.0	(Kg)

**04**

Initial speed	276	(Km/h)
Final speed	129	(Km/h)
Stopping distance	221	(m)
Braking time	5.2	(sec)
Maximum deceleration	1.4	(g)
Max force on lever	5.0	(Kg)

**07**

Initial speed	251	(Km/h)
Final speed	122	(Km/h)
Stopping distance	158	(m)
Braking time	3.6	(sec)
Maximum deceleration	1.4	(g)
Max force on lever	5.6	(Kg)

**10**

Initial speed	288	(Km/h)
Final speed	105	(Km/h)
Stopping distance	233	(m)
Braking time	5.3	(sec)
Maximum deceleration	1.3	(g)
Max force on lever	6.0	(Kg)