MOTO GP | BRAKE CIRCUIT IDENTITY CARDS

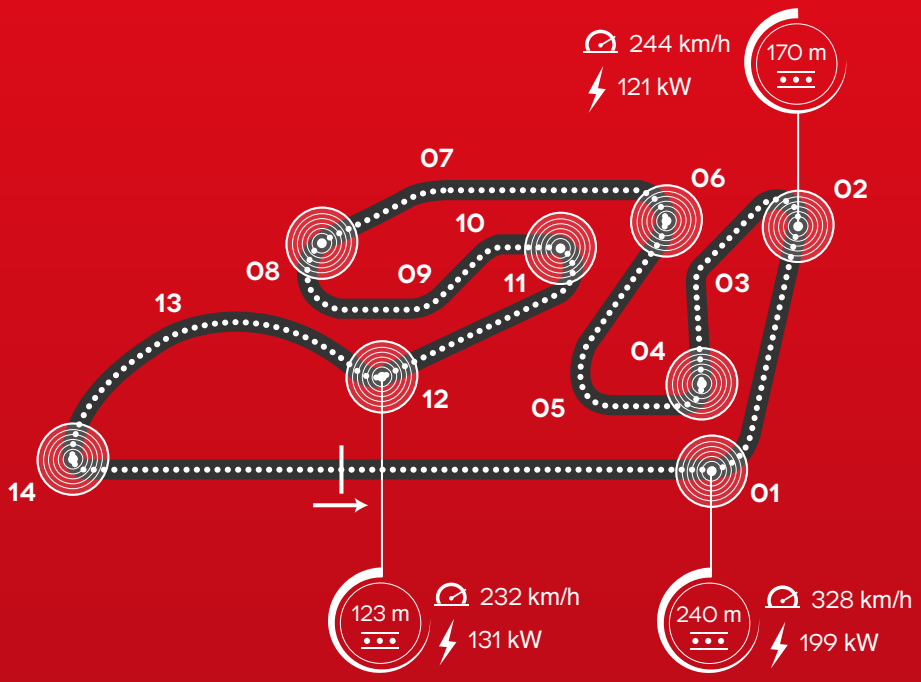
GRAN PREMIO DE LA COMUNITAT VALENCIANA

06-08 NOV 2015

COMUNITAT VALENCIANA (CHESTE)

BRAKE CATEGORIZATION	MEDIUM
TIME SPENT BRAKING	27%
BRAKING ENERGY PRODUCED BY A BIKE DURING THE GP	7,3 kWh

INITIAL SPEED | STOPPING DISTANCE



CIRCUIT DATA

Length: 4,005 m
Number of laps: 30
Number of brakings: 8

COMMENT

This is a track that is run anticlockwise, characterized by tight curves and short straight stretches where many low gears are used.
It is an average demanding track for the braking system where the greatest hidden dangers are caused precisely by the difficulty of cooling the brakes because of the short straight stretches.

01

Initial speed	328	(Km/h)
Final speed	148	(Km/h)
Stopping distance	240	(m)
Braking time	4	(sec)
Maximum deceleration	1.6	(g)
Max force on lever	6.5	(Kg)

02

Initial speed	244	(Km/h)
Final speed	91	(Km/h)
Stopping distance	170	(m)
Braking time	4.3	(sec)
Maximum deceleration	1.5	(g)
Max force on lever	5.6	(Kg)

04

Initial speed	191	(Km/h)
Final speed	108	(Km/h)
Stopping distance	104	(m)
Braking time	2.7	(sec)
Maximum deceleration	1.4	(g)
Max force on lever	4.2	(Kg)

06

Initial speed	211	(Km/h)
Final speed	108	(Km/h)
Stopping distance	134	(m)
Braking time	3.8	(sec)
Maximum deceleration	1.3	(g)
Max force on lever	4.1	(Kg)

08

Initial speed	180	(Km/h)
Final speed	128	(Km/h)
Stopping distance	119	(m)
Braking time	5	(sec)
Maximum deceleration	1.4	(g)
Max force on lever	4.1	(Kg)

11

Initial speed	201	(Km/h)
Final speed	103	(Km/h)
Stopping distance	138	(m)
Braking time	3.6	(sec)
Maximum deceleration	1.2	(g)
Max force on lever	3.2	(Kg)

12

Initial speed	232	(Km/h)
Final speed	133	(Km/h)
Stopping distance	123	(m)
Braking time	2.9	(sec)
Maximum deceleration	1.5	(g)
Max force on lever	5.7	(Kg)

14

Initial speed	221	(Km/h)
Final speed	96	(Km/h)
Stopping distance	168	(m)
Braking time	4.2	(sec)
Maximum deceleration	1.2	(g)
Max force on lever	4.6	(Kg)