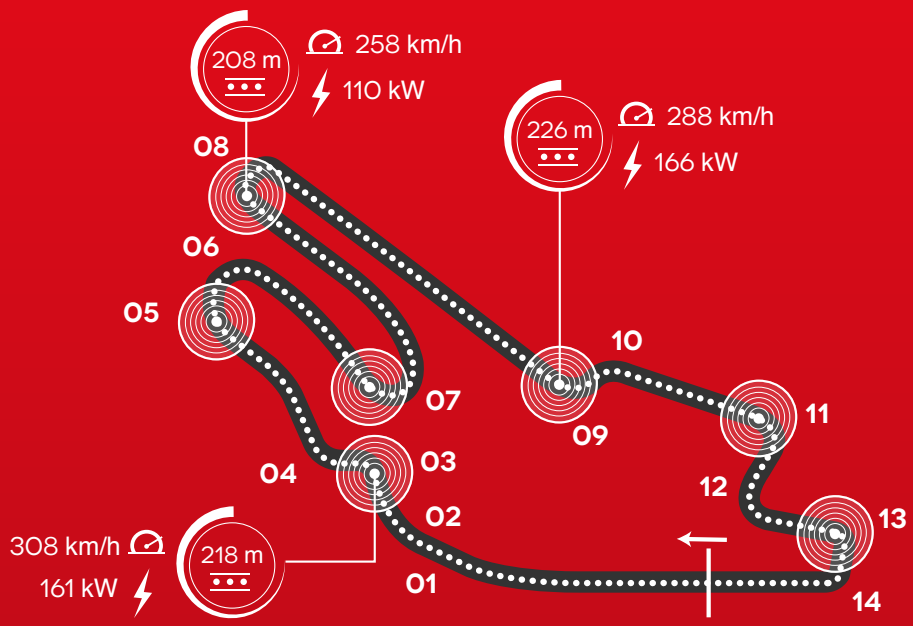
MOTO GP | BRAKE CIRCUIT IDENTITY CARDS

MONSTER ENERGY GRAND PRIX DE FRANCE

15–17 MAY 2015

LE MANS

BRAKE CATEGORIZATION	MEDIUM
TIME SPENT BRAKING	25%
BRAKING ENERGY PRODUCED BY A BIKE DURING THE GP	6.8 kWh
INITIAL SPEED	STOPPING DISTANCE



CIRCUIT DATA

Length: 4,180 m
Number of laps: 28
Number of brakings: 7

COMMENT

A circuit with average demanding braking, where due to the sudden changes in weather, steel discs often have to be used in case of rain. If the track is wet, steel discs are often used instead of carbon discs.
Carbon, in fact, besides requiring minimum operating temperatures which are hard to achieve in case of rain, is also characterized by a rather marked braking action which is not very suited to slippery conditions typical of a wet track.
Besides, steel discs, with their greater weight compared to carbon ones, contribute to providing greater stability to the front suspension of the motorcycle when there are poor gripping conditions such as on a wet track.

03

Initial speed	308	(Km/h)
Final speed	137	(Km/h)
Stopping distance	218	(m)
Braking time	4.5	(sec)
Maximum deceleration	1.4	(g)
Max force on lever	6.0	(Kg)

05

Initial speed	215	(Km/h)
Final speed	118	(Km/h)
Stopping distance	127	(m)
Braking time	3.0	(sec)
Maximum deceleration	1.2	(g)
Max force on lever	5.3	(Kg)

07

Initial speed	225	(Km/h)
Final speed	95	(Km/h)
Stopping distance	175	(m)
Braking time	4.6	(sec)
Maximum deceleration	1.2	(g)
Max force on lever	5.4	(Kg)

08

Initial speed	258	(Km/h)
Final speed	79	(Km/h)
Stopping distance	208	(m)
Braking time	5.4	(sec)
Maximum deceleration	1.4	(g)
Max force on lever	6.8	(Kg)

09

Initial speed	288	(Km/h)
Final speed	108	(Km/h)
Stopping distance	226	(m)
Braking time	4.2	(sec)
Maximum deceleration	1.5	(g)
Max force on lever	5.4	(Kg)

11

Initial speed	228	(Km/h)
Final speed	150	(Km/h)
Stopping distance	121	(m)
Braking time	2.7	(sec)
Maximum deceleration	1.3	(g)
Max force on lever	4.8	(Kg)

13

Initial speed	187	(Km/h)
Final speed	88	(Km/h)
Stopping distance	96	(m)
Braking time	2.5	(sec)
Maximum deceleration	1.2	(g)
Max force on lever	5.0	(Kg)