

RACEGUIDE

2023 MICHELIN MotoGP™



19

QATAR AIRWAYS GRAND PRIX OF QATAR

NOVEMBER 17-19



TIMETABLE



FRIDAY, NOVEMBER 17

3:45pm - 4:30pm Free practice 1

8:00pm - 9:00pm Practice

SATURDAY, NOVEMBER 18

3:00pm - 3:30pm Free Practice 2

3:40pm - 3:55pm Qualifying practice 1

4:05pm - 4:20pm Qualifying practice 2

8:00pm Sprint race - 11 laps

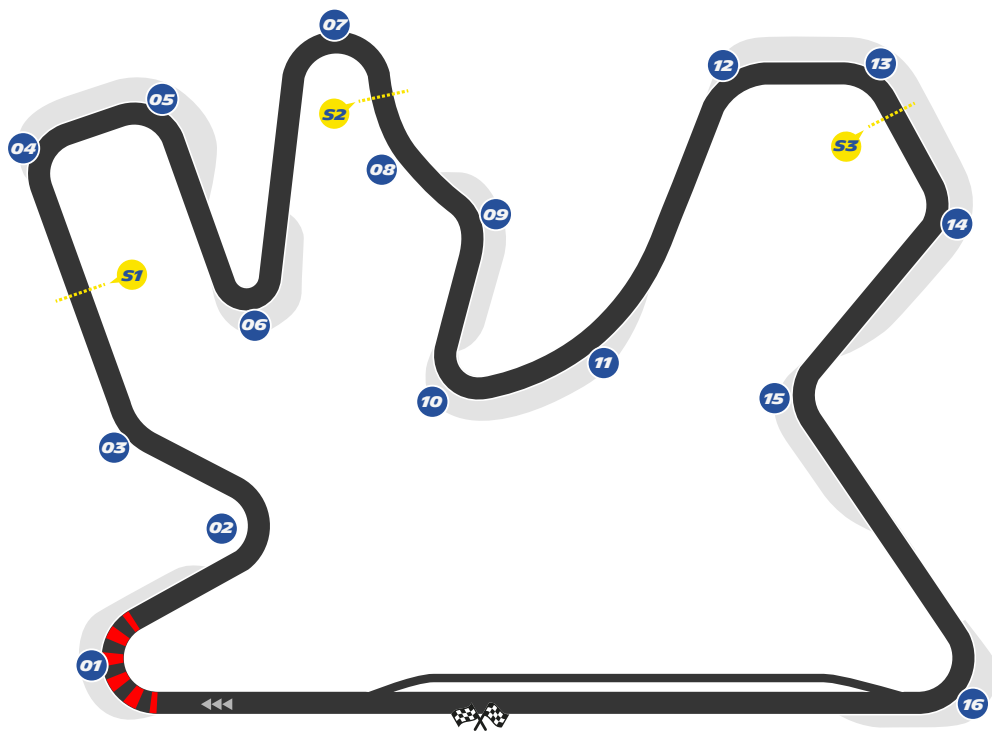
SUNDAY, NOVEMBER 19

3:40pm - 3:50pm Warm-up

8:00pm Race - 22 laps

LOCAL TIME - GMT +3 - SOURCE: motogp.com
Information subject to change





LOSAIL INTERNATIONAL CIRCUIT

22
LAPS



TOTAL DISTANCE
118.4km

- 01 TURN NUMBER
- S1 SECTOR
- High TIRE-STRESS ZONE

TIRE SEVERITY RATING



Severe > < Mild

MOST SUCCESSFUL RIDERS WITH MICHELIN IN MotoGP™ CLASS

Valentino Rossi :
2005, 2006

Maverick Viñales :
2017, 2021 2 wins

Andrea Dovizioso :
2018, 2019

MICHELIN RECORDS



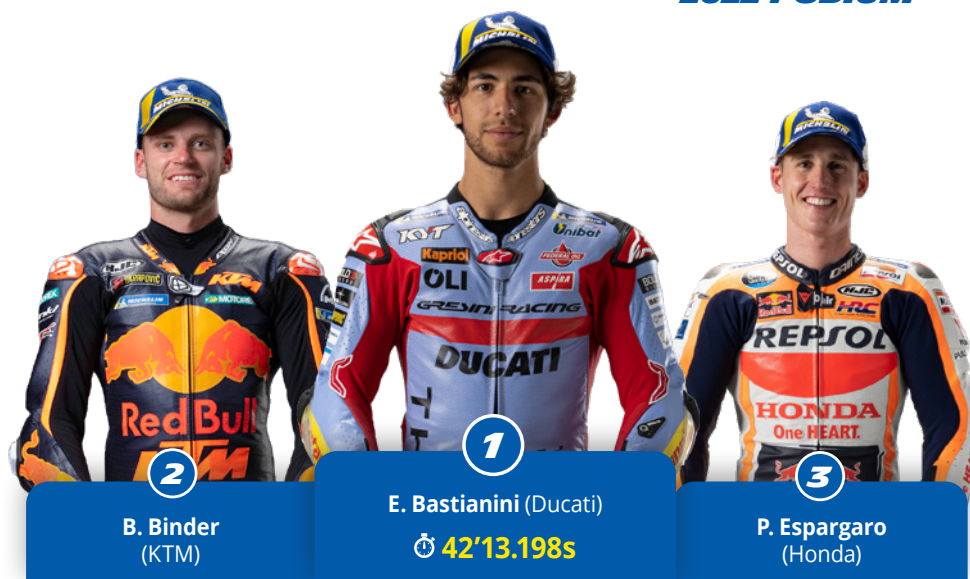
WINS



POLES

LENGTH	WIDTH	LEFT CORNERS	RIGHT CORNERS	LONGEST STRAIGHT
5.380 _{KM}	12 _M	6	10	1,068 _M

2022 PODIUM



2022 Pole: J. Martin (Ducati) ⌚ 1'53.011s

RECORDS

All Time Lap Record	Francesco Bagnaia (Ducati, 2021)	🏁	1'52.772
Best race lap	Enea Bastianini (Ducati, 2022)	🏁	1'54.338
Top Speed	Johann Zarco (Ducati, 2021)	🏁	362.4 km/h
Race duration	Enea Bastianini (Ducati, 2022)	🏁	42'13.198



2023 TIRE REGULATIONS

ALLOCATION PER RACE:

22
POWER "SLICK"

10 front slicks



12 rear slicks

7 A specification



+ 5 B specification



Riders who participate in both Q1 and Q2:

- ✓ 1 MICHELIN Front Power Slick (of the specification the riders prefer)
- ✓ 1 MICHELIN Rear Power Slick, spec A

13
POWER RAIN :

6 front Power Rain
of 2 specifications



7 rear Power Rain
of 2 specifications



In the case that any 3 of the 5 sessions, being P1, P2, Free Practice, one Qualifying session, and the Sprint (always excluding warm-up), are declared wet, one more set of rain tires will be allocated to every rider, and the allocation automatically becomes: 7 Front rain tires, and 8 Rear rain tires.

**TOTAL NUMBER
OF TIRES PER RACE**
1,100

PIERO TARAMASSO

Michelin Motorsport
Two-Wheel Manager

**AS WE KNOW NOTHING
ABOUT THIS NEW ASPHALT,
WE HAVE PROVIDED
AN ADDITIONAL
TIRE SPECIFICATION**

The new surface means everything to be redone, or almost, in terms of choice of tires and set-up of the motorcycles. As we know nothing about this new asphalt, we have provided in accordance with the technical regulations, an additional tire specification. Therefore, our MotoGP™ partners will have the opportunity to test four front specifications instead of three, and three rears rather than the usual two. In addition, Qatar has the particularity of staging a race at the end of the day, when night has fallen. In Losail, which is in the middle of the desert, the ground temperature drops after sunset, going from 45°C to less than 20°C in a fairly short period of time. We are going to work in the opposite way to what we usually do, by putting the

hardest tires on track first, then the riders will refine their choices by introducing increasingly softer options in order to identify the best operating windows. For our part, we will need to understand as quickly as possible the wear rates and what thermal conditions will be generated by this new track in order to best advise our partners on the choice of tires for each situation. Another critical point to take into account is the sand blown onto the track by the wind, which increases abrasiveness. Given our experience on the Losail circuit, we are not entering completely unknown territory and we have confidence in the tires that we will bring, but it is certain that these changes raise some questions, which we are keen to answer!



MotoGP™ MICHELIN'S RECORD

503
WINS

33
TITLES
RIDERS WORLD
CHAMPION
(1976-2022)



500TH VICTORY

FIM GRAND PRIX . PREMIER CLASS (500cc / MotoGP™)



277

VICTORIES IN THE
500CC CATEGORY

223

VICTORIES
IN MotoGP™

72% OPEN TO COMPETITION BETWEEN
TYRE MANUFACTURERS

28% IN
SINGLE-BRAND

60

WINNERS

12

NATIONALITIES

56

CIRCUITS

8

DIFFERENT
MANUFACTURERS

aprilia CAGIVA DUCATI HONDA

3

2

52

238

KTM

7

SUZUKI

82

SANVENERO

1

YAMAHA

115

THE MOST VICTORIOUS RIDERS WITH MICHELIN

Valentino Rossi	65 victories
Mick Doohan	54 victories
Marc Márquez	35 victories
Eddie Lawson	26 victories
Freddie Spencer	20 victories
Kevin Schwantz	20 victories
Barry Sheene	19 victories
Wayne Gardner	18 victories
Francesco Bagnaia	17 victories
Alex Crivillé	15 victories





50 YEARS OF INNOVATION IN MOTORCYCLE RACING



#WeRaceForChange

1973

Jack Findlay wins the Senior TT and gives Michelin its first 500 cm³ victory, the Premier class.

1992

The first GP500 tire to feature a silica-reinforced compound.

2003

300th victory in the premier class, at the Assen Grand Prix.

2019

Michelin is involved in the first all-electric motorcycle racing championship as official supplier to MotoE™.

2023

Reduction of the MotoGP™ tire allocation Michelin now offers only two types of rear tire per race, compared with three previously.

Michelin has developed a new front and new rear tire **MotoE™ tire** that now incorporate **34 and 52 percent sustainable raw materials** respectively.

1974

The first appearance of **slick tires** in a motorcycle championship.

1984

Radial technology comes to the fore in topflight motorcycle racing.

1994

Introduction of **asymmetrical tires** in GP500.

2022

Sustainable materials in MotoE™ tires
Michelin's new MotoE rear tire contains 46 percent of sustainable materials.



ENTRY LIST

MONSTER ENERGY YAMAHA MOTOGP



**FABIO
QUARTARARO**
#20

Born: April 20, 1999
Grand Prix debut: 2019, Qatar

89 11 31 16

World title: (1)

RECORD WITH MICHELIN

11 30 16 (1)



**FRANCO
MORBIDELLI**
#21

Born: December 4, 1994
Grand Prix debut: 2018, Qatar

100 3 6 2

RECORD WITH MICHELIN

3 6 2 (0)

GRESINI RACING MOTOGP™



**FABIO DI
GIANNANTONIO**
#49

Born: October 10, 1998
Grand Prix debut: 2022, Qatar

38 0 1 1

RECORD WITH MICHELIN

0 1 1 (0)



**ALEX
MÁRQUEZ**
#73

Born: April 23, 1996
Grand Prix debut: 2020, Spain

67 0 4 1

RECORD WITH MICHELIN

0 4 1 (0)

DUCATI LENOVO TEAM



**FRANCESCO
BAGNAIA**
#1

Born: January 14, 1997
Grand Prix debut: 2019, Qatar

84 17 33 18

World title: (1)

RECORD WITH MICHELIN

17 33 18 (1)



**ENEA
BASTIANINI**
#23

Born: December 30, 1997
Grand Prix debut: 2021, Qatar

48 5 9 1

RECORD WITH MICHELIN

5 9 1 (0)

LCR HONDA



**IKER
LECUONA**
#27

Born: January 6, 2000
Grand Prix debut: 2019, Spain

37 0 0 0



**TAKAAKI
NAKAGAMI**
#30

Born: February 9, 1992
Grand Prix debut: 2018, Qatar

100 0 0 1

PALMARÈS AVEC MICHELIN

0 0 1 (0)

REPSOL HONDA TEAM



**MARC
MÁRQUEZ**
#93

Born: February 17, 1993
Grand Prix debut: 2013, Qatar

167 59 101 64

World titles: (2019, 2018, 2017, 2016, 2014, 2013)

RECORD WITH MICHELIN

35 62 34 (4)



**JOAN
MIR**
#36

Born: September 1st, 1997
Grand Prix debut: 2019, Qatar

79 1 13 0

World title: (2020)

RECORD WITH MICHELIN

1 13 0 (1)

RED BULL KTM FACTORY RACING



**BRAD
BINDER**
#33

Born: August 11, 1995
Grand Prix debut: 2020, Spain

69 2 9 0

RECORD WITH MICHELIN

2 9 0 (0)



**JACK
MILLER**
#43

Born: January 18, 1995
Grand Prix debut: 2015, Qatar

155 4 23 2

RECORD WITH MICHELIN

4 23 2 (0)

MOONEY VR46 RACING TEAM



**LUCAS
MARINI**
#10

Born: August 10, 1997
Grand Prix debut: 2021, Qatar

53 0 1 1

RECORD WITH MICHELIN

0 1 1 (0)



**MARCO
BEZZECCHI**
#72

Born: November 12, 1998
Grand Prix debut: 2022, Qatar

38 3 8 4

RECORD WITH MICHELIN

3 8 4 (0)

PRIMA PRAMAC RACING



**JOHANN
ZARCO**
#5

Born: July 16, 1990
Grand Prix debut: 2017, Qatar

122 1 20 8

RECORD WITH MICHELIN

1 20 8 (0)



**JORGE
MARTÍN**
#89

Born: January 29, 1998
Grand Prix debut: 2021, Qatar

52 5 16 13

RECORD WITH MICHELIN

5 16 13 (0)

GASGAS FACTORY RACING TECH3



**AUGUSTO
FERNÁNDEZ**
#37

Born: September 23, 1997
Grand Prix debut: 2023, Portugal

21 0 0 0



**POL
ESPARGARÓ**
#44

Born: June 10, 1991
Grand Prix debut: 2014, Qatar

165 0 8 3

RECORD WITH MICHELIN

0 8 3 (0)

APRILIA RACING



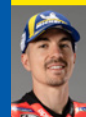
**ALEIX
ESPARGARÓ**
#41

Born: July 30, 1989
Grand Prix debut: 2009, Indianapolis

235 3 11 5

RECORD WITH MICHELIN

3 10 3 (0)



**MAVERICK
VIÑALES**
#12

Born: January 12, 1995
Grand Prix debut: 2015, Qatar

158 9 34 13

RECORD WITH MICHELIN

9 34 13 (0)

RNF MOTOGP™ TEAM



**RAUL
FERNÁNDEZ**
#25

Born: October 23, 2000
Grand Prix debut: 2022, Qatar

35 0 0 0



**MIGUEL
OLIVEIRA**
#88

Born: January 4, 1995
Grand Prix debut: 2019, Qatar

84 5 7 1

RECORD WITH MICHELIN

5 7 1 (0)



RACE STARTS



WINS



PODIUMS



POLES



WORLD TITLES

RIDERS' STANDINGS

RACE				PRT	ARG	USA	ESP	FRA	ITA	DEU	NLD	GBR	AUT	ESP	SMR	IND	JPN	IDN	AUS	THA	MYS	QAT	ESP																						
RIDERS' STANDING						Points																																							
									01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20																	
									SPRINT RACE	RACE	SPRINT RACE	RACE	SPRINT RACE	RACE	SPRINT RACE	RACE	SPRINT RACE	RACE	SPRINT RACE	RACE	SPRINT RACE	RACE	SPRINT RACE	RACE	SPRINT RACE	RACE	SPRINT RACE	RACE	SPRINT RACE	RACE	SPRINT RACE	RACE	SPRINT RACE	RACE	SPRINT RACE	RACE	SPRINT RACE	RACE							
1	Francesco Bagnaia #1	6	13	412	12	25	4	0	12	DNF	9	25	7	DNF	12	25	9	20	9	25	0	20	12	25	9	DNS	7	16	9	20	2	25	-	20	3	20	7	16							
2	Jorge Martin #89	4	8	398	9	DNF	2	11	7	DNF	6	13	12	20	7	20	12	25	4	11	4	10	7	9	5	16	12	25	12	20	12	25	12	0	-	11	12	25	9	13					
3	Marco Bezzecchi #72	3	7	323	DNF	16	9	25	4	10	1	DNF	3	25	9	8	3	13	12	20	9	DNF	DNF	16	2	4	9	20	5	25	4	13	7	11	-	10	4	13	3	10					
4	Brad Binder #33		4	254	0	10	12	DNF	5	3	12	20	9	10	0	11	4	DNF	5	13	1	16	9	20	6	DNF	5	2	6	13	9	DNF	DNF	10	-	13	9	16	5	DNF					
5	Johann Zarco #5	1	5	200	2	13	0	20	0	9	2	DNF	4	16	6	16	5	16	0	DNF	6	7	DNF	3	3	13	0	6	DNF	10	5	DNF	0	DNF	-	25	1	6	2	4					
6	Alex Espargaró #41	2	3	198	4	7	DNF	1	6	DNF	0	11	2	11	2	10	1	0	6	16	5	25	3	7	12	25	2	4	DNF	DNF	DNF	11	0	6	-	8	5	8	0	DNF					
7	Maverick Viñales #12		3	175	5	20	3	4	0	13	3	DNF	1	DNF	0	4	DNF	DNF	3	DNF	7	11	2	10	7	20	4	11	2	8	1	0	6	20	-	5	0	DNF	0	5					
8	Luca Marini #10		1	171	DNF	DNF	7	8	3	20	0	10	6	DNF	5	13	6	11	0	9	0	9	DNF	13	0	5	3	7	DNF	DNS	-	-	9	DNF	-	4	7	9	1	6					
9	Fabio Quartararo #20		3	156	0	8	1	9	0	16	0	6	DNF	9	0	5	0	3	7	DNF	0	1	0	8	0	9	0	3	4	16	0	6	5	16	-	2	0	11	0	11					
10	Jack Miller #43		1	156	6	9	0	10	1	DNF	7	16	DNF	DNF	4	9	7	10	0	DNF	3	8	5	1	0	8	0	DNF	3	2	6	10	1	9	-	9	0	0	4	8					
11	Alex Márquez #73		2	149	1	11	5	16	DNF	DNF	0	8	0	DNF	DNF	DNF	2	9	1	10	12	DNF	6	11	0	10	1	5	DNS	-	-	-	-	-	7	2	DNF	12	20						
12	Fabio Di Giannantonio #47		1	100	0	DNF	0	6	0	7	0	4	0	8	0	2	0	7	DNF	DNF	0	3	0	0	0	6	0	0	0	DNF	2	8	4	13	-	16	0	7	0	7					
13	Franco Morbidelli #21			93	DNF	2	6	13	0	8	0	5	0	6	0	6		4	0	7	0	2	1	5	0	2	0	1	0	9	0	0	0	2	-	0	0	5	0	9					
14	Marc Márquez #93		1	84	7	DNF	DNS	DNS	-	-	-	5	DNF	3	DNF	0	DNS	0	DNF	0	4	0	3	0	9	7	7	3	16	DNF	DNF	-	1	6	10	0	3								
15	Enea Bastianini #23	1	1	76	DNF	DNS	-	-	-	-	-	-	-	1	7	0	8	2	DNF	0	DNF	0	6	1	DNS	-	-	-	-	-	-	3	8	-	6	0	3	6	25						
16	Miguel Oliveira #88			76	3	DNF	DNS	DNS	2	11	5	DNF	-	-	0	DNF	0	6	0	DNF	0	13	DNF	DNF	4	11	0	10	0	4	0	0	0	4	-	3	0	DNF	0	DNF					
17	Augusto Fernandez #37			69	DNF	3	0	5	0	6	0	3	DNF	13	0	1	0	5	0	6	2	5	0	2	0	7	0	0	0	DNF	0	9	0	DNF	-	DNF	0	0	0	2					
18	Alex Rins #42	1	1	54	0	6	0	7	9	25	DNF	0	DNF	DNF	DNS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	7	-	-	-	-	-	-						
19	Takaaki Nakagami #30			52	0	4		3	0	DNF	0	7	0	7	0	3	0	2	0	8	0	0	DNF	0	0	1	0	0	0	5	0	5	0	5	-	0	0	2	0	0					
20	Raul Fernandez #25			40	0	DNF	0	2	0	DNF	0	1	-	-		0	0	1	0	4	0	6	0	DNF	0	DNF	0	8	1	6	0	7	0	3	-	0	0	1	0	DNF					
21	Dani Pedrosa #26			32	-	-	-	-	-	4	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	13	-	-	-	-	-	-	-	-	-	-	-	-	-					
22	Joan Mir #36			24	DNF	5	DNF	DNS	0	DNF	0	DNF	0	DNF	DNS	DNS	DNF	-	-	-	0	DNF	0	DNF	-	-	0	DNF	0	11	0	4	0	DNF	-	DNF	0	4	0	DNF					
23	Pol Espargaró #44			13	DNS	DNS	-	-	-	-	-	-	-	-	-	-	-	-	0	4	4	0		DNF	0	DNF	DNF	3	0	1	0	DNF	-	0	0	0	0	0	1						
24	Jonas Folger #94			9	-	-	-	-	0	4	0	0	DNF	3	0	0	0	0	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
25	Lorenzo Savadori #32			9	-	-	-	-	-	-	-	0	4	0	0	-	-	0	5	-	-	DNF	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
26	Stefan Bradl #9			8	-	-	-	-	0	DNF	0	2	-	-	-	-	-	0	3	-	-	-	-	-	-	-	DNF	1	0	2	-	-	-	-	-	-	-	-	-	-	-				
27	Michele Pirro #51			5	-	-	-	-	DNF	5	-	-	-	-	0	0	-	-	-	-	-	-	-	-	-	-	DNF	0	0	0	0	-	-	-	-	-	-	-	-	-	-				
28	Danilo Petrucci #9			5	-	-	-	-	-	-	-	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
29	Cal Crutchlow #35			3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	3	-	-	-	-	-	-	-	-	-					
30	Iker Lecuona #27			0	-	-	-	-	-	-	0	0	-	-	-	-	-	0	DNF	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0				
31	Alvaro Bautista			0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0					

Sprint race	1st 12 pts	4th 6 pts	7th 3 pts	Race	1st 25 pts	4th 13 pts	7th 9 pts	10th 6 pts	13th 3 pts
	2nd 9 pts	5th 5 pts	8th 2 pts		2nd 20 pts	5th 11 pts	8th 8 pts	11th 5 pts	14th 2 pts
	3th 7 pts	6th 4 pts	9th 1 pts		3th 16 pts	6th 10 pts	9th 7 pts	12th 4 pts	15th 1 pt

DNF: Did Not Finish • DNS: Did Not Start



FACTS

15,000



The number of kilometres covered by a rider during a season (races and practice)



22

slick tires a rider can use

during a grand prix weekend (free practice, qualifying, warm-up and race)



MINIMUM PRESSURE FOR A TIRE

Front slick

1,88 BAR

Rear slick

1,68 BAR

Front rain

2,0 BAR

Rear rain

1,7 BAR



THE OPERATING TEMPERATURE

Front slick

100°C

Rear slick

120°C

MICHELIN'S MotoGP™ RACE STAFF*



2 DEVELOPERS



6 TECHNICIANS



10 FITTERS



1 MANAGER



**1 COORDINATOR AND
MotoE™ MANAGER**



2 PRESS OFFICERS



**3 MARKETING /
COMMUNICATION**

*ONLY A PART OF THE MotoGP™ TEAM TRAVELS TO EACH RACE.



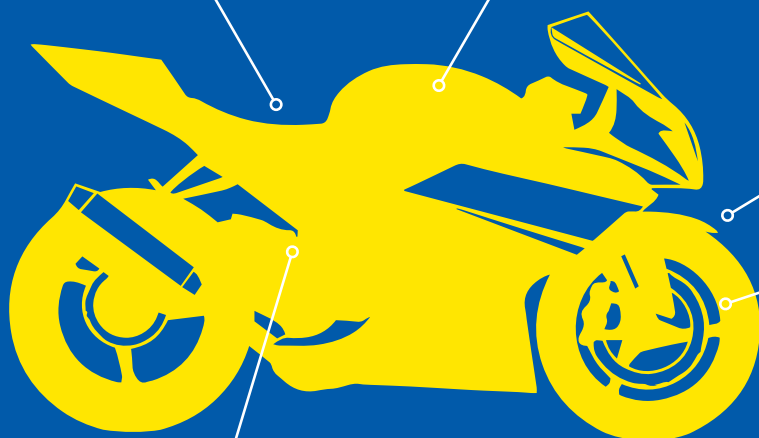
WEIGHT:

157 kg



MAXIMUM
FUEL TANK CAPACITY:

22 LITRES



ENGINE DISPLACEMENT:

1,000 cc

4
stroke

POWER:

240 HP

TIRES



**MICHELIN
POWER SLICK**



OR **MICHELIN
POWER RAIN**



RIM DIAMETER:

17 INCHES

SIZES:

FRONT: **12/60 - 17**

Width
(cm)

Exterior
diameter
(cm)

Rim
diameter
(inches)

REAR: **20/69 - 17**



MICHELIN

2023 CALENDAR

1	26/03		PORTUGAL Autódromo Internacional do Algarve	
2	02/04		ARGENTINA Termas de Río Hondo	
3	16/04		USA Circuit Of The Americas	
4	30/04		SPAIN Circuito de Jerez / Angel Nieto	
5	14/05		FRANCE Le Mans	<i>motoE</i>
6	11/06		ITALY Autodromo Internazionale del Mugello	<i>motoE</i>
7	18/06		GERMANY Sachsenring	<i>motoE</i>
8	25/06		NETHERLANDS TT Circuit Assen	<i>motoE</i>
9	6/08		GREAT-BRITAIN Silverstone Circuit	<i>motoE</i>
10	20/08		AUSTRIA Red Bull Ring / Spielberg	<i>motoE</i>
11	3/09		CATALONIA Circuit de Barcelona/Catalunya	<i>motoE</i>
12	10/09		SAN MARINO Misano World Circuit Marco Simoncelli	<i>motoE</i>
13	24/09		INDIA Buddh international circuit	
14	01/10		JAPAN Twin Ring Motegi	
15	15/10		INDONESIA Pertamina Mandalika Circuit	
16	22/10		AUSTRALIA Phillip Island	
17	29/10		THAILAND Chang International Circuit	
18	12/11		MALAYSIA Sepang International Circuit	
19	19/11		QATAR Losail International Circuit	
20	26/11		VALENCIA Circuit Ricardo Torm	



MICHELIN'S MotoGP™ RANGE 2023 **SEASON**

MICHELIN POWER SLICK

FRONT



SOFT

MEDIUM

HARD

REAR



MICHELIN POWER RAIN

FRONT



SOFT

MEDIUM

REAR



MotoGP™ TIRE RANGE

MICHELIN POWER SLICK

SOFT MEDIUM HARD



MICHELIN POWER RAIN

SOFT MEDIUM



CUSTOMER RACING

MICHELIN POWER PERFORMANCE

SLICK CUP 24



TRACK DAY

MICHELIN POWER SLICK 2



MICHELIN POWER CUP 2



MICHELIN POWER GP



COMMERCIAL TIRE RANGE

MICHELIN POWER 5



MICHELIN ROAD 6



MICHELIN CITY GRIP 2



Whatever type of vehicle you use, you too can put your trust in Michelin to enjoy enhanced traveling pleasure in complete safety.

ENJOY ALL OUR LATEST TIRE RANGES


**MICHELIN
PILOT SPORT 5**




**MICHELIN
POWER CUP**



OFFICIAL GRIP SUPPLIER

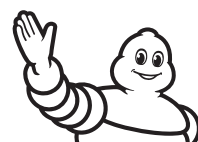


MICHELIN POWER

The winning tire range with over 500 victories and 33 world titles in the premier class (MotoGP™/500cc) since 1973!

You too can benefit from the exceptional grip of MICHELIN Power tires on the road.

#MICHELINPower #GripMadeToLast



MICHELIN

From left to right, MICHELIN Power Slick (MotoGP™ winner), MICHELIN Power Cup2, MICHELIN Power GP, MICHELIN Power5