

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

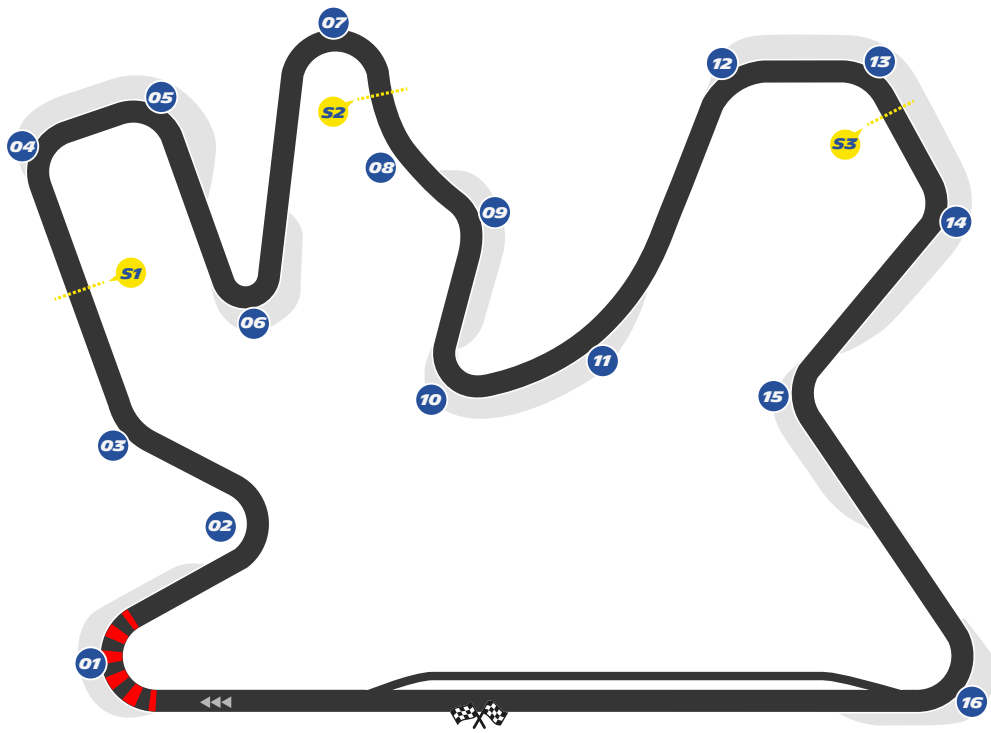
SUNDAY, NOVEMBER 19

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 : 2 wins
2017, 2021

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

2 B. Binder (KTM)

1 E. Bastianini (Ducati)
🕒 **42'13.198s**

3 P. Espargaro (Honda)

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 RIDERS WORLD CHAMPION TITLES (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 **3** CAGIVA **2** DUCATI **52** HONDA **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
France

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
Italy

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
Italy

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

38 🏁 0 🏆 1 🏅 1 🏆

RECORD WITH MICHELIN

0 🏆 1 🏅 1 🏆 (0)

ALEX MÁRQUEZ
#73
Spain

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
Italy

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
Italy

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
Spain

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

37 🏁 0 🏆 0 🏅 0 🏆

TAKAAMI NAKAGAMI
#30
Japan

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
Spain

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
Spain

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
South Africa

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

69 🏁 2 🏆 9 🏅 0 🏆

RECORD WITH MICHELIN

2 🏆 9 🏅 0 🏆 (0)

JACK MILLER
#43
Australia

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
Italy

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

53 🏁 0 🏆 1 🏅 1 🏆

RECORD WITH MICHELIN

0 🏆 1 🏅 1 🏆 (0)

MARCO BEZZECCHI
#72
Italy

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
France

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

122 🏁 1 🏆 20 🏅 8 🏆

RECORD WITH MICHELIN

1 🏆 20 🏅 8 🏆 (0)

JORGE MARTIN
#89
Spain

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 FERNANDEZ
#37
Spain

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

21 🏁 0 🏆 0 🏅 0 🏆

RECORD WITH MICHELIN

0 🏆 0 🏅 0 🏆 (0)

POL ESPARGARÓ
#44
Spain

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
Spain

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

235 🏁 3 🏆 11 🏅 5 🏆

RECORD WITH MICHELIN

3 🏆 10 🏅 3 🏆 (0)

MAVERICK VIÑALES
#12
Spain

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
Spain

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

35 🏁 0 🏆 0 🏅 0 🏆

MIGUEL OLIVEIRA
#88
Portugal

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

84 🏁 5 🏆 7 🏅 1 🏆

RECORD WITH MICHELIN

5 🏆 7 🏅 1 🏆 (0)

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	Rear slick
1,88 BAR	1,68 BAR
Front rain	Rear rain
2,0 BAR	1,7 BAR



THE OPERATING TEMPERATURE

Front slick	Rear slick
100°C	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.

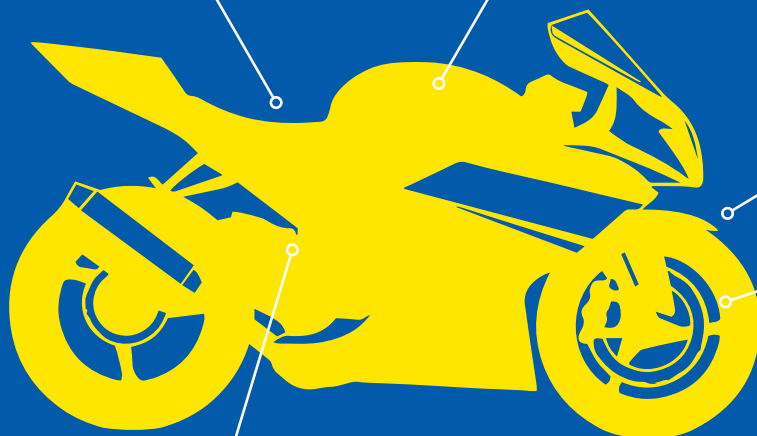


WEIGHT:

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

17" RIM DIAMETER:
17 INCHES

SIZES:

FRONT: **12 / 60 - 17**

Width (cm)	Exterior diameter (cm)	Rim diameter (inches)
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REAR: **20 / 69 - 17**



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 *motoE*
- 6 11/06**  **ITALY**
Autodromo Internazionale del Mugello *motoE*
- 7 18/06**  **GERMANY**
Sachsenring *motoE*
- 8 25/06**  **NETHERLANDS**
TT Circuit Assen *motoE*
- 9 6/08**  **GREAT-BRITAIN**
Silverstone Circuit *motoE*
- 10 20/08**  **AUSTRIA**
Red Bull Ring / Spielberg *motoE*
- 11 3/09**  **CATALONIA**
Circuit de Barcelona/Catalunya *motoE*
- 12 10/09**  **SAN MARINO**
Misano World Circuit Marco Simoncelli *motoE*
- 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



FROM TRACK TO STREET

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