

# RACEGUIDE

2023 MICHELIN MotoGP™



## 15 PERTAMINA GRAND PRIX OF INDONESIA

OCTOBER 13-15



### TIMETABLE



#### FRIDAY, OCTOBER 13

10:45am - 11:30am	Free practice 1
3:00pm - 4:00pm	Practice

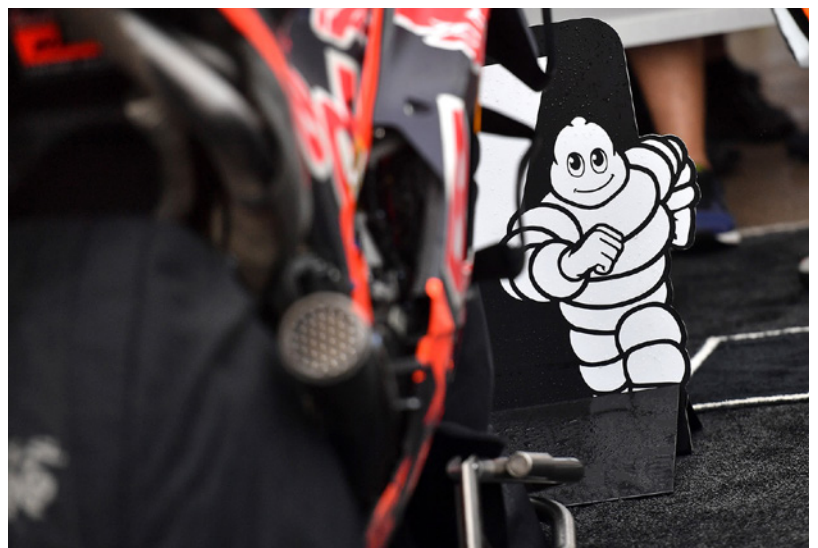
#### SATURDAY, OCTOBER 14

10:10am - 10:40am	Free Practice 2
10:50am - 11:05am	Qualifying practice 1
11:15am - 11:30am	Qualifying practice 2
3:00pm	Sprint race - 13 laps

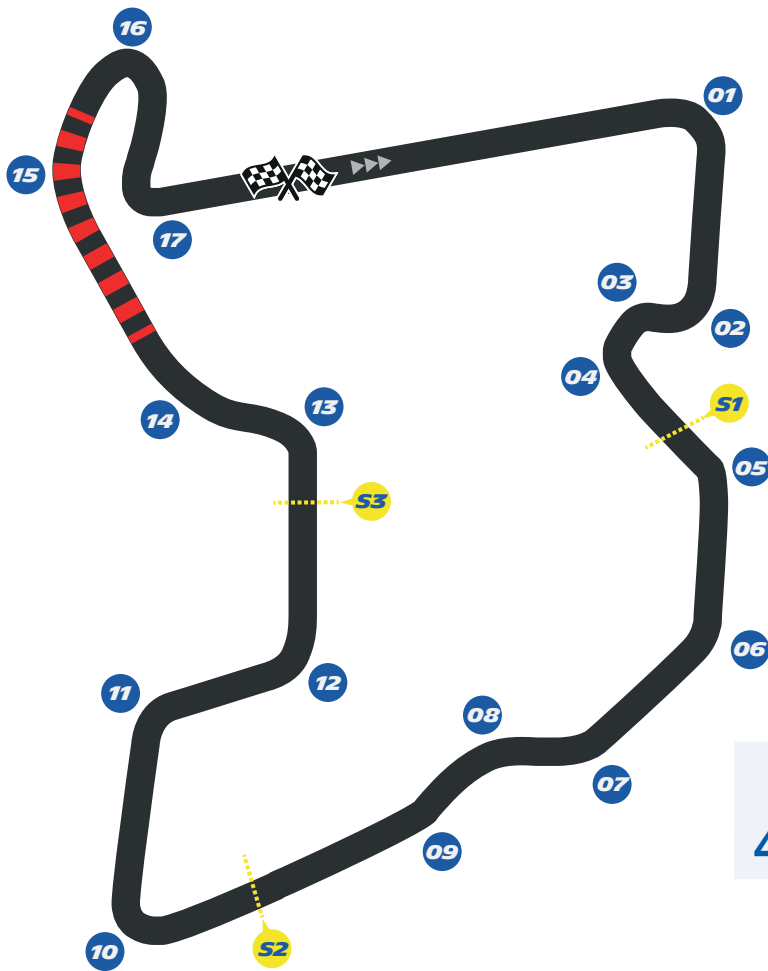
#### SUNDAY, OCTOBER 15

10:40am - 10:50am	Warm-up
3:00pm	Race - 27 laps

LOCAL TIME - GMT +8 - SOURCE: motogp.com  
Information subject to change



# PERTAMINA MANDALIKA INTERNATIONAL CIRCUIT



**27**  
LAPS

TOTAL DISTANCE  
**116.13**KM

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

LENGTH	WIDTH	LEFT CORNERS	RIGHT CORNERS	LONGEST STRAIGHT
<b>4.301</b> KM	<b>15</b> M	<b>6</b>	<b>11</b>	<b>507</b> M

## 2022 PODIUM

### TIRE SEVERITY RATING

Severe > < Mild

**2** F. Quartararo (Yamaha)

**1** M. Oliveira (KTM)  
🕒 **33'27.223s (20 laps)**

**3** J. Zarco (Ducati)

2022 Pole: Fabio Quartararo (Yamaha) 🕒 1'31.067

## RECORDS

All Time Lap Record	<b>F. Quartararo (Yamaha)</b>	🇮🇹	1'31.067
Best race lap	<b>F. Quartararo (Yamaha)</b>	🇮🇹	1'38.749 (WET)
Top Speed	<b>M. Bezzecchi (Ducati)</b>	🇮🇹	315.7km/h
Race duration	<b>M. Oliveira (KTM)</b>	🇵🇹	33'27.223 (20 laps)

## MICHELIN RECORDS



# 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

## WE ARE BRINGING THREE SPECIFICATIONS OF THE REAR TIRES TO INDONESIA

The Pertamina Grand Prix of Indonesia is of particular importance this year for Michelin as the winner of the race will give Bibendum his 500<sup>th</sup> victory in the FIM MotoGP™ World Championship. A great way to celebrate 50 years of innovation in motorcycle Grand Prix racing, since Jack Findlay's victory in the Senior TT in 1973. It was the first success for Michelin in the 500cc category, which was the premier class of the time. As for the Mandalika event, last year's experience taught us how much heat can be generated on this circuit. Even with the move from March to October,

the combination of the new asphalt, the fast layout and the high temperatures will still generate a lot of heat in the tires.

This year, the front tires remain symmetrical and are available in Soft, Medium and Hard, with the casing of the latter having been reinforced to offer the riders even more support. For the rear tires we decided to use a reinforced construction for all three options, coupled with asymmetrical compounds. In fact, we are bringing three specifications of the rear tires to Indonesia, instead of the two normally specified by the regulations.



MotoGP™ MICHELIN'S RECORD

**499**  
WINS

**33** RIDERS WORLD CHAMPION TITLES (1976-2022)





# 50 YEARS OF INNOVATION IN MOTORCYCLE RACING



#WeRaceForChange

**1973**

Jack Findlay wins the Senior TT and gives Michelin its first 500 cm<sup>3</sup> victory, the Premier class.

**1992**

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

**2003**

300<sup>th</sup> 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

85	11	30	16
----	----	----	----

World title: (1)

### RECORD WITH MICHELIN

11	30	16	(1)
----	----	----	-----

**FRANCO MORBIDELLI**  
#21  
Italy

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

96	3	6	2
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### RECORD WITH MICHELIN

3	6	2	(0)
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## GRESINI RACING MOTOGP™

**FABIO DI GIANNANTONIO**  
#49  
Italy

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

34	0	0	1
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### RECORD WITH MICHELIN

0	0	1	(0)
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**ALEX MÁRQUEZ**  
#73  
Spain

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

64	0	3	1
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### RECORD WITH MICHELIN

0	3	1	(0)
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## DUCATI LENOVO TEAM

**FRANCESCO BAGNAIA**  
#1  
Italy

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

81	16	29	17
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World title: (1)

### RECORD WITH MICHELIN

16	29	17	(1)
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**ENEA BASTIANINI**  
#23  
Italy

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

44	4	8	1
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### RECORD WITH MICHELIN

4	8	1	(0)
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## LCR HONDA

**ALEX RINS**  
#42  
Spain

Born: December 8, 1995  
Grand Prix debut: 2017, Qatar

104	6	18	0
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### RECORD WITH MICHELIN

5	18	0	(0)
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**TAKAAKI NAKAGAMI**  
#30  
Japan

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

96	0	0	1
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### PALMARÈS AVEC MICHELIN

0	0	1	(0)
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## REPSOL HONDA TEAM

**MARC MÁRQUEZ**  
#93  
Spain

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

163	59	101	64
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World titles: (6)

### RECORD WITH MICHELIN

35	62	34	(4)
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**JOAN MIR**  
#36  
Spain

Born: September 1<sup>st</sup>, 1997  
Grand Prix debut: 2019, Qatar

75	1	13	0
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### RECORD WITH MICHELIN

1	13	0	(1)
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## RED BULL KTM FACTORY RACING

**BRAD BINDER**  
#33  
South Africa

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

65	2	8	0
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### RECORD WITH MICHELIN

2	8	0	(0)
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**JACK MILLER**  
#43  
Australia

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

151	4	23	2
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### RECORD WITH MICHELIN

4	23	2	(0)
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## MOONEY VR46 RACING TEAM

**LUCAS MARINI**  
#10  
Italy

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

49	0	1	0
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### RECORD WITH MICHELIN

0	1	0	(0)
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## PRIMA PRAMAC RACING

**JOHANN ZARCO**  
#5  
France

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

118	0	19	8
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### RECORD WITH MICHELIN

0	19	8	(0)
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**JORGE MARTIN**  
#89  
Spain

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

48	4	15	11
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### RECORD WITH MICHELIN

4	15	11	(0)
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## CASCAS FACTORY RACING TECH3

**AUGUSTO FERNÁNDEZ**  
#37  
Spain

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

17	0	0	0
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### RECORD WITH MICHELIN

0	0	0	(0)
---	---	---	-----

**POL ESPARGARÓ**  
#44  
Spain

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

161	0	8	3
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### RECORD WITH MICHELIN

0	8	3	(0)
---	---	---	-----

## APRILIA RACING

**ALEIX ESPARGARÓ**  
#41  
Spain

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

231	3	11	5
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### RECORD WITH MICHELIN

3	10	3	(0)
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**MAVERICK VIÑALES**  
#12  
Spain

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

154	9	33	13
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### RECORD WITH MICHELIN

9	33	13	(0)
---	----	----	-----

## RNF MOTOGP™ TEAM

**RAUL FERNÁNDEZ**  
#25  
Spain

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

31	0	0	0
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### RECORD WITH MICHELIN

0	0	0	(0)
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**MIGUEL OLIVEIRA**  
#88  
Portugal

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

80	5	7	1
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### RECORD WITH MICHELIN

5	7	1	(0)
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# 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.



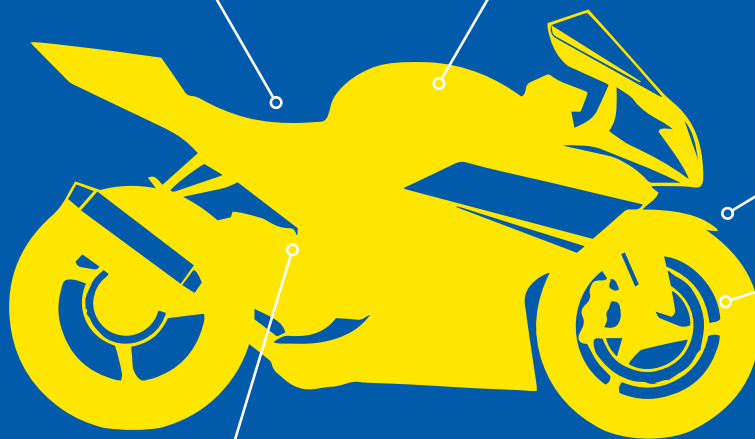
WEIGHT:

**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**

**17"**

RIM DIAMETER:

**17 INCHES**

SIZES:

FRONT: **12 / 60 - 17**

Width  
(cm)

Exterior  
diameter  
(cm)

Rim  
diameter  
(inches)

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 485 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