

# 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  
**116.13km**

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

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

## 2022 PODIUM



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

## TIRE SEVERITY RATING



Severe > < Mild

## RECORDS

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

## MICHELIN RECORDS



WIN



POLE



**MICHELIN**



## 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 TARMASSO**

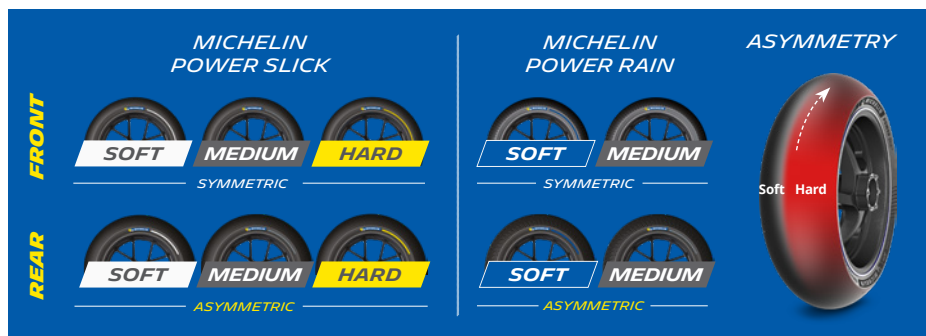
Michelin Motorsport  
Two-Wheel Manager

### 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**  
TITLES  
RIDERS WORLD  
CHAMPION  
(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

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

85 11 30 16

World title: (2021) (1)

### RECORD WITH MICHELIN

11 30 16 (1)



**FRANCO  
MORBIDELLI**  
#21

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

96 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

34 0 0 1

### RECORD WITH MICHELIN

0 0 1 (0)



**ALEX  
MÁRQUEZ**  
#73

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

64 0 3 1

### RECORD WITH MICHELIN

0 3 1 (0)

## DUCATI LENOVO TEAM



**FRANCESCO  
BAGNAIA**  
#1

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

81 16 29 17

World title: (2022) (1)

### RECORD WITH MICHELIN

16 29 17 (1)



**ENEA  
BASTIANINI**  
#23

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

44 4 8 1

### RECORD WITH MICHELIN

4 8 1 (0)

## REPSOL HONDA TEAM



**MARC  
MÁRQUEZ**  
#93

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

163 59 101 64

World titles: (2019, 2018, 2017, 2016, 2014, 2013) (6)

### RECORD WITH MICHELIN

35 62 34 (4)



**JOAN  
MIR**  
#36

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

75 1 13 0

World title: (2020) (1)

### RECORD WITH MICHELIN

1 13 0 (1)

## MOONEY VR46 RACING TEAM



**LUCAS  
MARINI**  
#10

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

49 0 1 0

### RECORD WITH MICHELIN

0 1 0 (0)

## PRIMA PRAMAC RACING



**JOHANN  
ZARCO**  
#5

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

118 0 19 8

### RECORD WITH MICHELIN

0 19 8 (0)



**JORGE  
MARTIN**  
#89

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

48 4 15 11

### RECORD WITH MICHELIN

4 15 11 (0)

## CASCAS FACTORY RACING TECH3



**AUGUSTO  
FERNÁNDEZ**  
#37

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

17 0 0 0

### RECORD WITH MICHELIN

0 8 3 (0)



**POL  
ESPARGARÓ**  
#44

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

161 0 8 3

### RECORD WITH MICHELIN

0 8 3 (0)

## APRILIA RACING



**ALEIX  
ESPARGARÓ**  
#41

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

231 3 11 5

### RECORD WITH MICHELIN

3 10 3 (0)



**MAVERICK  
VIÑALES**  
#12

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

154 9 33 13

### RECORD WITH MICHELIN

9 33 13 (0)

## RNF MOTOGP™ TEAM



**RAUL  
FERNÁNDEZ**  
#25

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

31 0 0 0



**MIGUEL  
OLIVEIRA**  
#88

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

80 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	Wins	Podium	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
1	Francesco Bagnaia #1	5	9	319	12	25	4	0	12	DNF	9	25	7	DNF	12	25	9	20	9	25	0	20	12	25
2	Jorge Martin #89	3	7	316	9	DNF	2	11	7	DNF	6	13	12	20	7	20	12	25	4	11	4	10	7	9
3	Marco Bezzecchi #72	3	7	265	DNF	16	9	25	4	10	1	DNF	3	25	9	8	3	13	12	20	9	DNF	16	2
4	Brad Binder #33		3	201	0	10	12	DNF	5	3	12	20	9	10	0	11	4	DNF	5	13	1	16	9	20
5	Aleix Espargaró #41	2	3	171	4	7	DNF	1	6	DNF	0	11	2	11	2	10	1	0	6	16	5	25	3	7
6	Johann Zarco #5		4	162	2	13	0	20	0	9	2	DNF	4	16	6	16	5	16	0	DNF	6	7	DNF	3
7	Maverick Viñales #12		2	139	5	20	3	4	0	13	3	DNF	1	DNF	0	4	DNF	3	DNF	7	11	2	10	
8	Luca Marini #10		1	135	DNF	DNF	7	8	3	20	0	10	6	DNF	5	13	6	11	0	9	0	9	DNF	
9	Jack Miller #43		1	125	6	9	0	10	1	DNF	7	16	DNF	DNF	4	9	7	10	0	DNF	3	8	5	
10	Fabio Quartararo #20		2	111	0	8	1	9	0	16	0	6	DNF	9	0	5	0	3	7	DNF	0	1	0	
11	Alex Márquez #73		1	108	1	11	5	16	DNF	DNF	0	8	0	DNF	DNF	DNF	2	9	1	10	12	DNF	6	
12	Franco Morbidelli #21			77	DNF	2	6	13	0	8	0	5	0	6	0	6	4	0	7	0	2	1	5	
13	Miguel Oliveira #88			69	3	DNF	DNS	DNS	2	11	5	DNF	-	-	0	DNF	0	6	0	DNF	0	13	DNF	
14	Augusto Fernandez #37			67	DNF	3	0	5	0	6	0	3	DNF	13	0	1	0	5	0	6	2	5	0	
15	Marc Márquez #93		1	64	7	DNF	DNS	DNS	-	-	-	5	DNF	3	DNF	0	DNS	0	DNF	0	4	0	3	
16	Fabio Di Giannantonio #47			53	0	DNF	0	6	0	7	0	4	0	8	0	2	0	7	DNF	DNF	0	3	0	
17	Alex Rins #42	1	1	47	0	6	0	7	9	25	DNF	0	DNF	DNF	DNS	-	-	-	-	-	-	-	-	-
18	Takaaki Nakagami #30			45	0	4	3	0	DNF	0	7	0	7	0	3	0	2	0	8	0	0	DNF	0	
19	Raul Fernandez #25			36	0	DNF	0	2	0	DNF	0	1	-	-	0	0	1	0	4	0	6	0	DNF	
20	Dani Pedrosa #26			32	-	-	-	-	-	4	9	-	-	-	-	-	-	-	-	-	-	6	13	
21	Enea Bastianini #23			25	DNF	DNS	-	-	-	-	-	-	1	7	0	8	2	DNF	0	DNF	0	6	1	
22	Joan Mir #36			20	DNF	5	DNF	DNS	0	DNF	0	DNF	0	DNF	DNS	DNS	DNF	-	-	-	0	DNF	0	
23	Pol Espargaró #44			12	DNS	DNS	-	-	-	-	-	-	-	-	-	-	-	0	4	4	0	DNF	0	
24	Jonas Folger #94			9	-	-	-	-	0	4	0	0	DNF	3	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	-	-	-	-	-
27	Michele Pirro #51			5	-	-	-	-	DNF	5	-	-	-	-	0	0	-	-	-	-	-	-	-	-
28	Danilo Petrucci #9			5	-	-	-	-	-	-	0	5	-	-	-	-	-	-	-	-	-	-	-	-
29	Cal Crutchlow #35			3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	
30	Iker Lecuona #27			0	-	-	-	-	-	0	0	-	-	-	-	-	-	0	DNF	0	0	0	0	

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



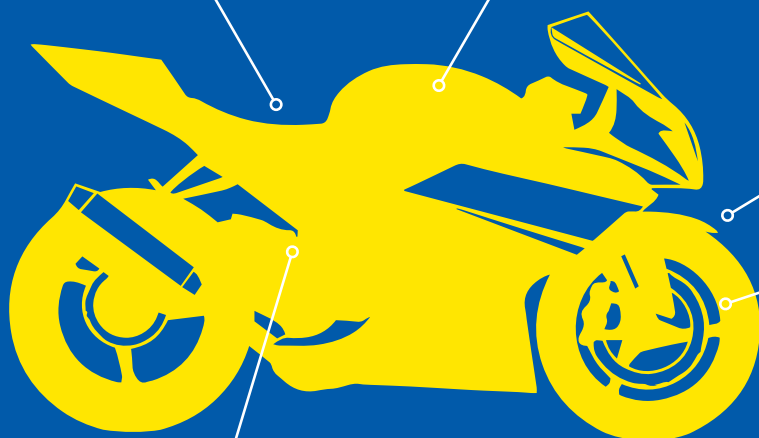
WEIGHT:

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





# 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

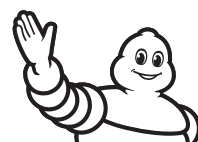


## MICHELIN POWER

The winning tire range with over 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