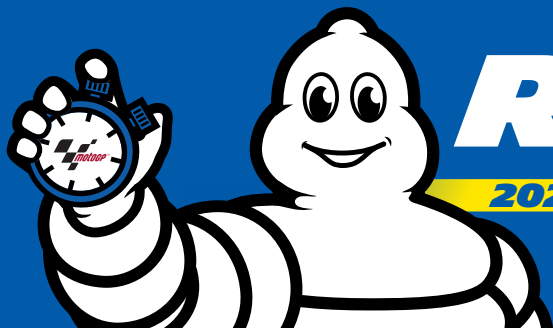




# RACEGUIDE

2021 MICHELIN MotoGP™



# 17

## GRANDE PRÉMIO BREMBO DO ALGARVE

NOVEMBER 05-07

### TIRE SEVERITY RATING

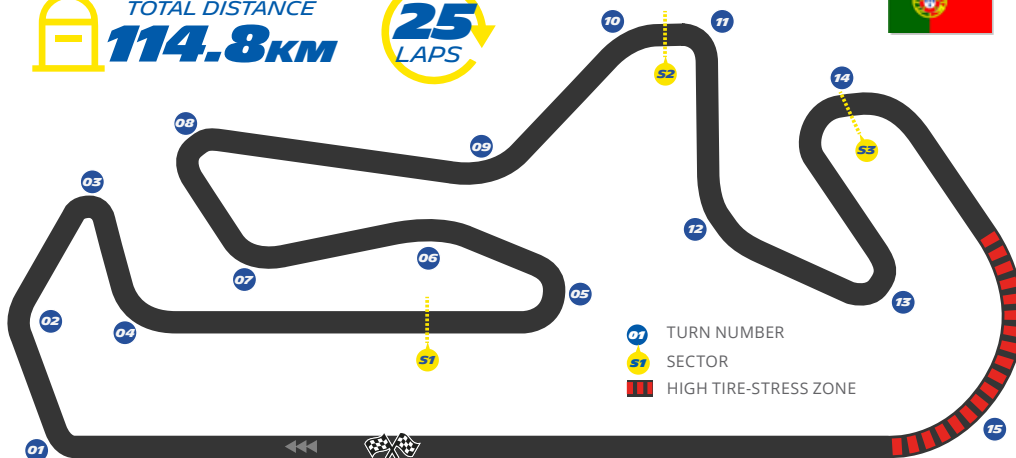


Severe > < Mild

### ALGARVE INTERNATIONAL CIRCUIT - PORTUGAL



TOTAL DISTANCE  
**114.8km**



01 TURN NUMBER  
S1 SECTOR  
HI HIGH TIRE-STRESS ZONE

| LENGTH              | WIDTH           | RIGHT CORNERS | LEFT CORNERS | LONGEST STRAIGHT |
|---------------------|-----------------|---------------|--------------|------------------|
| 4.592 <sub>KM</sub> | 18 <sub>M</sub> | 9             | 6            | 969 <sub>M</sub> |

### RECORDS

#### All Time Lap Record

Fabio Quartararo  
(Yamaha, 2021) 1'38.892

#### Race duration

Fabio Quartararo  
(Yamaha, 2021) 41'46.412

#### Best race lap

Alex Rins  
(Suzuki, 2021) 1'39.450

#### Top Speed

Johann Zarco  
(Ducati, 2021) 351.7 km/h

### MICHELIN RECORDS



Wins  
(2020, 2021)



Pole-positions  
(2020, 2021)

### 2021 PODIUM GRANDE PRÉMIO 888 DE PORTUGAL

**PODIUM 2021**

|                                        |                                                              |                                    |
|----------------------------------------|--------------------------------------------------------------|------------------------------------|
| <br><b>2</b><br>F. BAGNAIA<br>(Ducati) | <br><b>1</b><br>Fabio QUARTARARO<br>(Yamaha)<br>⌚ 41'46.412s | <br><b>3</b><br>J. MIR<br>(Suzuki) |
|----------------------------------------|--------------------------------------------------------------|------------------------------------|

2021 Pole: Fabio Quartararo (Yamaha), ⌚ 1'38.862s



# TIMETABLE

## FREE PRACTICE FRIDAY, NOVEMBER 5

|                        |                   |
|------------------------|-------------------|
| 09:00am-09:40am        | FP1 Moto3         |
| <b>09:55am-10:40am</b> | <b>FP1 MotoGP</b> |
| 10:55am-11:35am        | FP1 Moto2         |
| 1:15pm-1:55pm          | FP2 Moto3         |
| <b>2:10pm-2:55pm</b>   | <b>FP2 MotoGP</b> |
| 3:10pm-3:50pm          | FP2 Moto2         |

## QUALIFYING PRACTICE SATURDAY, NOVEMBER 6

|                        |                   |
|------------------------|-------------------|
| 09:00am-09:40am        | FP3 Moto3         |
| <b>09:55am-10:40am</b> | <b>FP3 MotoGP</b> |
| 10:55am-11:35am        | FP3 Moto2         |
| 12:35pm-12:50am        | QP1 Moto3         |
| 1:00pm-1:15pm          | QP2 Moto3         |
| <b>1:30pm-2:00pm</b>   | <b>FP4 MotoGP</b> |
| <b>2:10pm-2:25pm</b>   | <b>QP1 MotoGP</b> |
| <b>2:35pm-2:50pm</b>   | <b>QP2 MotoGP</b> |
| 3:10pm-3:25pm          | QP1 Moto2         |
| 3:35pm-3:50pm          | QP2 Moto2         |

## RACE SUNDAY, NOVEMBER 7

|                        |                                 |
|------------------------|---------------------------------|
| 09:00am-09:20am        | WUP Moto3                       |
| <b>09:30am-09:50am</b> | <b>WUP MotoGP</b>               |
| 10:00am-10:20am        | WUP Moto2                       |
| 11:20am                | RACE Moto3<br>(21 laps)         |
| <b>1:00pm</b>          | <b>RACE MotoGP</b><br>(25 laps) |
| 2:30pm                 | RACE Moto2<br>(23 laps)         |



LOCAL TIME - SOURCE: motogp.com - INFORMATION SUBJECT TO CHANGE

## 2021 TIRE REGULATIONS

ALLOCATION PER RACE:

**MICHELIN  
POWER "SLICK":  
22**

### 10 Power front slicks

- ✓ Up to 5 Power Slick Soft
- ✓ Up to 5 Power Slick Medium
- ✓ Up to 5 Power Slick Hard



### 12 Power rear slicks

- ✓ Up to 6 Power Slick Soft
- ✓ Up to 5 Power Slick Medium
- ✓ Up to 4 Power Slick Hard



Riders who participate in both Q1 and Q2:

- ✓ + 1 MICHELIN Front Power Slick (of the specification the riders prefer)
- ✓ 1 MICHELIN Rear Power Slick Soft

In the case that Q1 and Q2 sessions are both declared wet by the Race Director, the extra tires allocated will be rain tires.

In the case that Q1 and Q2 sessions are declared as different weather conditions (dry or wet) then no extra tire will be allocated.

**MICHELIN  
POWER RAIN:  
13**

### 6 front Power Rain of 2 specifications

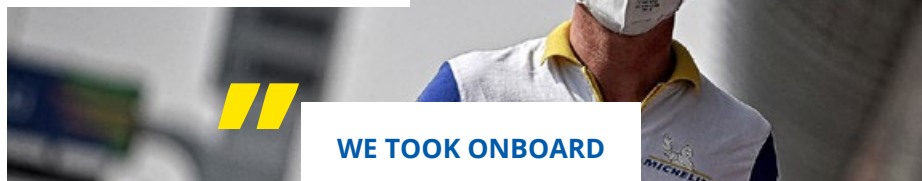


### 7 rear Power Rain of 2 specifications



In the case that any 4 of the 5 sessions, being FP1, 2, 3, 4, and one Qualifying session (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.

**PIERO TARMASSO**  
Michelin Motorsport  
Two-Wheel Manager



### WE TOOK ONBOARD THE FEEDBACK FROM THE RIDERS

After the emotional rollercoaster of Misano, with its incredible highs and lows, we are now back at the physical rollercoaster of Portimao with its elevation changes. The allocation for this race is slightly different to the previous race back in

April. We took onboard the feedback from the riders regarding the Hard compound asymmetric front option and have replaced that tire with a symmetric version to give them improved feedback and confidence when turning into corners



MOTOGP™ MICHELIN'S RECORD

**463**  
WINS

**32**  
TITLES

RIDERS WORLD  
CHAMPION  
(1976 - 2021)



#GRIPMADETOLAST



# ENTRY LIST

## MONSTER ENERGY YAMAHA MOTOGP



**FRANCO MORBIDELLI**  
#21

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

60 3 6 2

### RECORD WITH MICHELIN

3 6 2 (0)



**FABIO QUARTARARO**  
#20

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

49 8 20 15

### RECORD WITH MICHELIN

8 20 15 (1)



**STEFAN BRADL**  
#6

Born: November 29, 1989  
Grand Prix debut: 2012, Qatar

110 0 1 1



**POL ESPARGARÓ**  
#44

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

134 0 7 3

### RECORD WITH MICHELIN

0 7 3 (0)

## PETRONAS YAMAHA SRT



**ANDREA DOVIZIOSO**  
#4

Born: March 23, 1986  
Grand Prix debut: 2008, Qatar

232 15 62 7

### RECORD WITH MICHELIN

14 33 4 (0)



**VALENTINO ROSSI**  
#46

Born: February 16, 1979  
Grand Prix debut: 2000, S. Africa

370 89 199 55

World titles:  
(2009, 2008, 2005, 2004, 2003, 2002, 2001)

### RECORD WITH MICHELIN

65 124 43 (5)

## TEAM SUZUKI ECSTAR



**ALEX RINS**  
#42

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

79 3 13 0

### RECORD WITH MICHELIN

3 13 0 (0)



**JOAN MIR**  
#36

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

47 1 12 0

World title:  
(2020)

### RECORD WITH MICHELIN

1 12 0 (1)

## APRILIA RACING GRESINI TEAM



**ALEIX ESPARGARÓ**  
#41

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

195 0 2 2

### RECORD WITH MICHELIN

0 1 0 (0)



**MAVERICK VIÑALES**  
#12

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

118 9 28 13

### RECORD WITH MICHELIN

9 28 13 (0)

## ESPONSORAMA RACING



**LUCAS MARINI**  
#10

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

16 0 0 0



**ENEA BASTIANINI**  
#23

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

16 0 2 0

### RECORD WITH MICHELIN

0 2 0 (0)

## PRAMAC RACING



**JOHANN ZARCO**  
#5

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

82 0 11 6

### RECORD WITH MICHELIN

0 11 6 (0)



**JORGE MARTIN**  
#89

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

12 1 3 3

### RECORD WITH MICHELIN

1 3 3 (0)

## TECH 3 KTM FACTORY RACING



**DANILO PETRUCCI**  
#9

Born: October 24, 1990  
Grand Prix debut: 2012, Qatar

167 2 10 0

### RECORD WITH MICHELIN

2 9 0 (0)



**IKER LECUONA**  
#27

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

28 0 0 0

### RECORD WITH MICHELIN

28 0 0 0

## RED BULL KTM FACTORY RACING



**BRAD BINDER**  
#33

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

30 2 2 0

### RECORD WITH MICHELIN

2 2 0 (0)



**MIGUEL OLIVEIRA**  
#88

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

46 3 5 1

### RECORD WITH MICHELIN

3 5 1 (0)

## LCR HONDA



**ALEX MÁRQUEZ**  
#73

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

30 0 2 0

### RECORD WITH MICHELIN

0 2 0 (0)



**TAKAAKI NAKAGAMI**  
#30

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

63 0 0 1

### RECORD WITH MICHELIN

0 0 1 (0)

## DUCATI TEAM



**JACK MILLER**  
#43

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

115 3 13 1

### RECORD WITH MICHELIN

3 13 1 (0)



**FRANCESCO BAGNAIA**  
#63

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

46 2 8 5

### RECORD WITH MICHELIN

2 8 5 (0)

RACE STARTS WINS PODIUMS POLES WORLD TITLES



# RIDERS' STANDINGS

| RACE             |                       |   |    |     | QAT  | QAT    | PRT    | ESP | FRA | ITA | ESP | DEU | NLD | AUT | AUT | GBR | ESP | SMR | USA | SMR | PRT | ESP |  |  |  |
|------------------|-----------------------|---|----|-----|------|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|--|
| RIDERS' STANDING |                       |   |    |     | Wins | Podium | Points |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |
|                  |                       |   |    |     | 01   | 02     | 03     | 04  | 05  | 06  | 07  | 08  | 09  | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  |  |  |  |
|                  |                       |   |    |     |      |        |        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |
| 1                | Fabio Quartararo #20  | 5 | 10 | 267 | 11   | 25     | 25     | 3   | 16  | 25  | 10  | 16  | 25  | 16  | 9   | 25  | 8   | 20  | 20  | 13  |     |     |  |  |  |
| 2                | Francesco Bagnaia #63 | 2 | 7  | 202 | 16   | 10     | 20     | 20  | 13  | DNF | 9   | 11  | 10  | 5   | 20  | 2   | 25  | 25  | 16  | DNF |     |     |  |  |  |
| 3                | Joan Mir #36          |   | 5  | 175 | 13   | 9      | 16     | 11  | DNF | 16  | 13  | 7   | 16  | 20  | 13  | 7   | 16  | 10  | 8   | DNF |     |     |  |  |  |
| 4                | Johann Zarco #5       |   | 4  | 152 | 20   | 20     | DNF    | 8   | 20  | 13  | 20  | 8   | 13  | 10  | DNF | 5   | 0   | 4   | DNF | 11  |     |     |  |  |  |
| 5                | Jack Miller #43       | 2 | 3  | 149 | 7    | 7      | DNF    | 25  | 25  | 10  | 16  | 10  | DNF | DNF | 5   | 13  | 11  | 11  | 9   | DNF |     |     |  |  |  |
| 6                | Marc Márquez #93      | 3 | 4  | 142 | –    | –      | 9      | 7   | DNF | DNF | DNF | 25  | 9   | 8   | 1   | DNF | 20  | 13  | 25  | 25  |     |     |  |  |  |
| 7                | Brad Binder #33       | 1 | 1  | 136 | 2    | 8      | 11     | DNF | 3   | 11  | 8   | 13  | 4   | 13  | 25  | 10  | 9   | 7   | 7   | 5   |     |     |  |  |  |
| 8                | Aleix Espargaró #41   |   | 1  | 113 | 9    | 6      | 10     | 10  | DNF | 9   | DNF | 9   | 8   | DNF | 6   | 16  | 13  | 8   | DNF | 9   |     |     |  |  |  |
| 9                | Maverick Viñales #12  | 1 | 2  | 106 | 25   | 11     | 5      | 9   | 6   | 8   | 11  | 0   | 20  | 0   | –   | –   | 0   | 3   | –   | 8   |     |     |  |  |  |
| 10               | Miguel Oliveira #88   | 1 | 3  | 92  | 3    | 1      | 0      | 5   | DNF | 20  | 25  | 20  | 11  | DNF | DNF | 0   | 2   | 0   | 5   | DNF |     |     |  |  |  |
| 11               | Alex Rins #42         |   | 1  | 91  | 10   | 13     | DNF    | 0   | DNF | DNF | DNS | 5   | 5   | 9   | 2   | 20  | 4   | DNF | 13  | 10  |     |     |  |  |  |
| 12               | Pol Espargaró #44     |   | 1  | 90  | 8    | 3      | DNF    | 6   | 8   | 4   | DNF | 6   | 6   | 0   | 0   | 11  | 3   | 9   | 6   | 20  |     |     |  |  |  |
| 13               | Enea Bastianini #23   |   | 2  | 87  | 6    | 5      | 7      | DNF | 2   | DNF | 6   | 0   | 1   | 4   | DNF | 4   | 10  | 16  | 10  | 16  |     |     |  |  |  |
| 14               | Jorge Martin #89      | 1 | 2  | 82  | 1    | 16     | DNS    | –   | –   | –   | 2   | 4   | DNF | 25  | 16  | DNF | 7   | DNF | 11  | DNF |     |     |  |  |  |
| 15               | Takaaki Nakagami #30  |   |    | 71  | DNF  | 0      | 6      | 13  | 9   | DNF | 3   | 3   | 7   | 11  | 3   | 3   | 6   | 6   | 0   | 1   |     |     |  |  |  |
| 16               | Alex Márquez #73      |   |    | 54  | DNF  | DNF    | 8      | DNF | 10  | 2   | 5   | DNF | 2   | 7   | 7   | 8   | DNF | 1   | 4   | DNF |     |     |  |  |  |
| 17               | Franco Morbidelli #21 |   | 1  | 42  | 0    | 4      | 13     | 16  | 0   | 0   | 7   | 0   | –   | –   | –   | –   | –   | 0   | 0   | 2   |     |     |  |  |  |
| 18               | Iker Lecuona #27      |   |    | 38  | 0    | DNF    | 1      | 0   | 7   | 5   | DNF | 0   | DNF | 1   | 10  | 9   | 5   | DNF | 0   | DNF |     |     |  |  |  |
| 19               | Danilo Petrucci #9    |   |    | 37  | DNF  | 0      | 3      | 2   | 11  | 7   | DNF | DNF | 3   | 0   | 4   | 6   | 1   | 0   | 0   | DNF |     |     |  |  |  |
| 20               | Luca Marini #10       |   |    | 37  | 0    | 0      | 4      | 1   | 4   | 0   | 4   | 1   | 0   | 2   | 11  | 1   | 0   | 0   | 2   | 7   |     |     |  |  |  |
| 21               | Valentino Rossi #46   |   |    | 35  | 4    | 0      | DNF    | 0   | 5   | 6   | DNF | 2   | DNF | 3   | 8   | 0   | 0   | 0   | 1   | 6   |     |     |  |  |  |
| 22               | Stefan Bradl #6       |   |    | 13  | 5    | 2      | –      | 4   | –   | –   | –   | –   | –   | –   | –   | –   | –   | 2   | –   | –   |     |     |  |  |  |
| 23               | Michele Pirro #51     |   |    | 12  | –    | –      | –      | –   | –   | 3   | –   | –   | –   | –   | –   | –   | –   | 5   | –   | 4   |     |     |  |  |  |
| 24               | Dani Pedrosa #26      |   |    | 6   | –    | –      | –      | –   | –   | –   | –   | –   | –   | 6   | –   | –   | –   | –   | –   | –   |     |     |  |  |  |
| 25               | Andrea Dovizioso #4   |   |    | 6   |      | –      | –      | –   | –   | –   | –   | –   | –   | –   | –   | –   | –   | 0   | 3   | 3   |     |     |  |  |  |
| 26               | Lorenzo Savadori #32  |   |    | 4   | 0    | 0      | 2      | 0   | DNF | 1   | 1   | DNF | 0   | DNF | –   | DNS | –   | –   | –   | DNS |     |     |  |  |  |
| 27               | Tito Rabat #53        |   |    | 1   | –    | –      | –      | 0   | 1   | –   | –   | –   | –   | –   | –   | –   | –   | –   | –   | –   |     |     |  |  |  |
| 28               | Garrett Gerloff #31   |   |    | 0   | –    | –      | –      | –   | –   | –   | –   | –   | 0   | –   | –   | –   | –   | –   | –   | –   |     |     |  |  |  |
| 29               | Cal Crutchlow #35     |   |    | 0   | –    | –      | –      | –   | –   | –   | –   | –   | –   | 0   | 0   | 0   | 0   | –   | –   | –   |     |     |  |  |  |
| 30               | Jake Dixon #96        |   |    | 0   | –    | –      | –      | –   | –   | –   | –   | –   | –   | –   | –   | 0   | DNF | –   | –   | –   |     |     |  |  |  |

1<sup>st</sup> ..... 25 pts

2<sup>nd</sup> ..... 20 pts

3<sup>rd</sup> ..... 16 pts

4<sup>th</sup> ..... 13 pts

5<sup>th</sup> ..... 11 pts

6<sup>th</sup> ..... 10 pts

7<sup>th</sup> ..... 9 pts

8<sup>th</sup> ..... 8 pts

9<sup>th</sup> ..... 7 pts

10<sup>th</sup> ..... 6 pts

11<sup>th</sup> ..... 5 pts

12<sup>th</sup> ..... 4 pts

13<sup>th</sup> ..... 3 pts

14<sup>th</sup> ..... 2 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 **1,9 BAR** Rear slick **1,7 BAR**



THE OPERATING TEMPERATURE

Front slick **100°C** Rear slick **120°C**

## MICHELIN'S MotoGP™ RACE STAFF\*



**2 DEVELOPERS**



**7 TECHNICIANS**



**11 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.



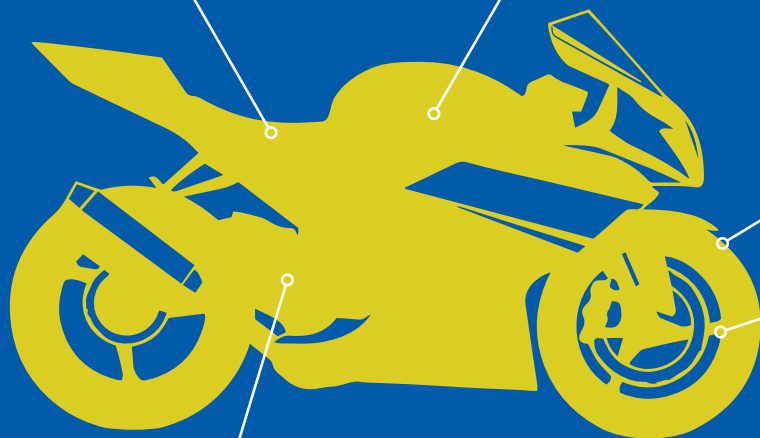
WEIGHT:

**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**



# MICHELIN'S MotoGP™ RANGE 2021 SEASON

## MICHELIN POWER SLICK

FRONT  
12/60 - 17



SOFT

MEDIUM

HARD

REAR  
20/69 - 17



## MICHELIN POWER RAIN

FRONT  
12/60 - 17



SOFT

MEDIUM

REAR  
20/69 - 17



## MICHELIN POWER

### MICHELIN POWER MOTOGP



### MICHELIN POWER PERFORMANCE SLICK



1000CC



600CC

Competition use

### MICHELIN POWER SLICK<sup>2</sup>



Competition Beginner - Track days  
Not type-approved for road use

### MICHELIN POWER CUP<sup>2</sup>



Competition Beginner  
Track days - Road legal

### MICHELIN POWER GP



50 % track days - 50 % road

### MICHELIN POWER 5



100 % road



OFFICIAL MotoGP™ CLASS TYRE

# MICHELIN



## BRAVO FABIO!



### **MICHELIN POWER**

Congratulations to Fabio Quartararo (Monster Energy Yamaha MotoGP Team/ Michelin) for winning the 2021 MotoGP™ World Championship! Making the most of his Michelin Power race tires, Fabio wrapped up the title with two races to go! Michelin Power, the winning tire range with over 450 wins and now 32 Premier Class world titles (MotoGP™/500cc).



## MICHELIN

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