

CFD FLOW SIMULATION

# DOWNFORCE SPOILERS RACE

REF.20431

AERODYNAMIC TEST

**DUCATI PANIGALE V4 / S**

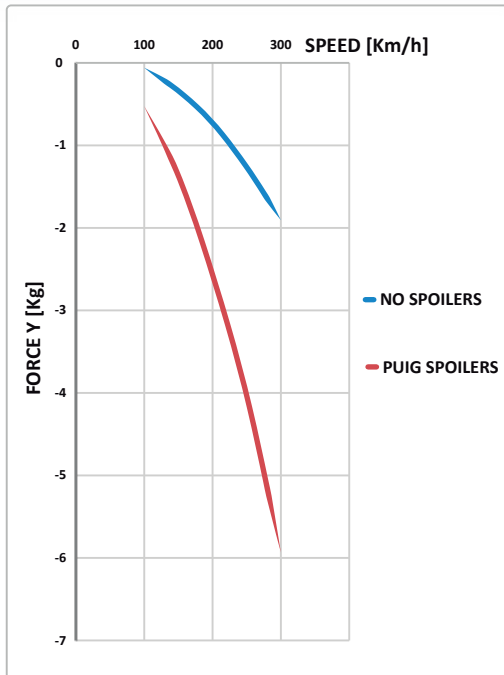
2018 - 19

**DUCATI PANIGALE V2**

2020



**BIKE'S DOWNFORCE COMPARISON**

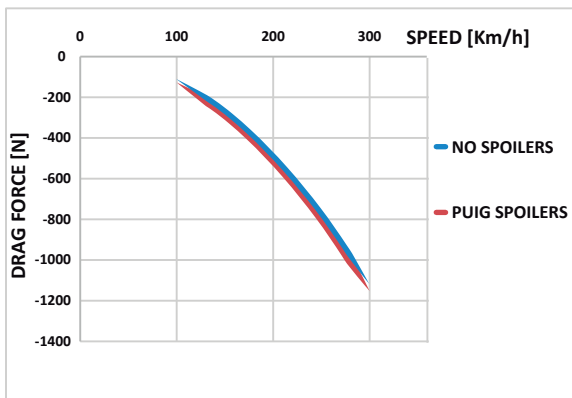


**Downforce-Speed Chart Comparison:**

In this chart we can see the force generated on the vertical axe, against the floor.

We can compare the forces that are generated by the bike with the *Puig* spoilers and without them.

**DRAG FORCE**

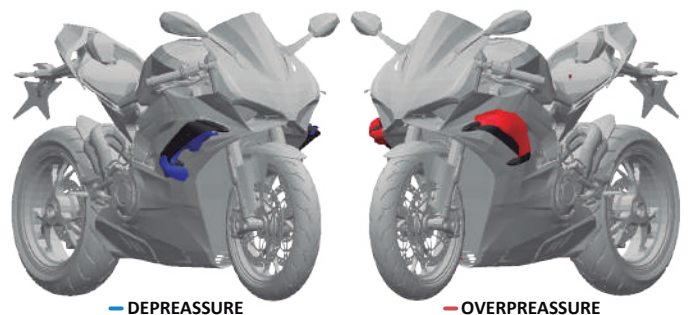
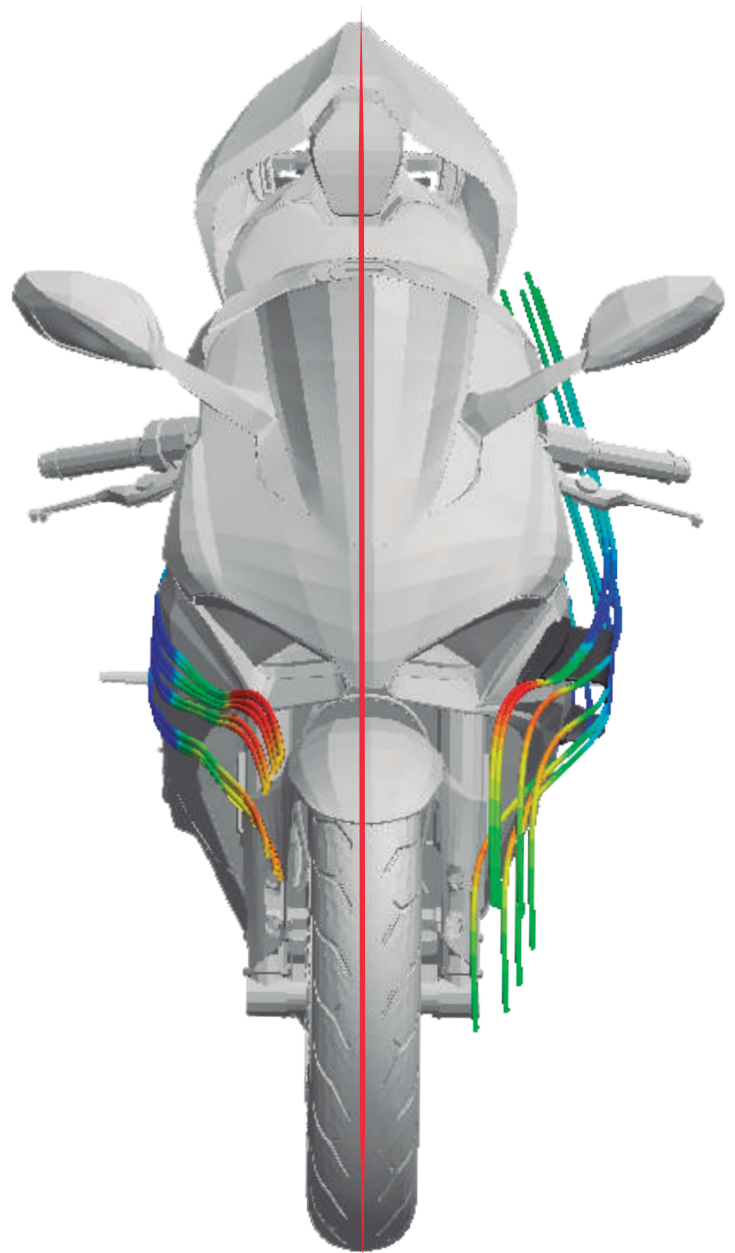


**Drag force - Speed Chart:**

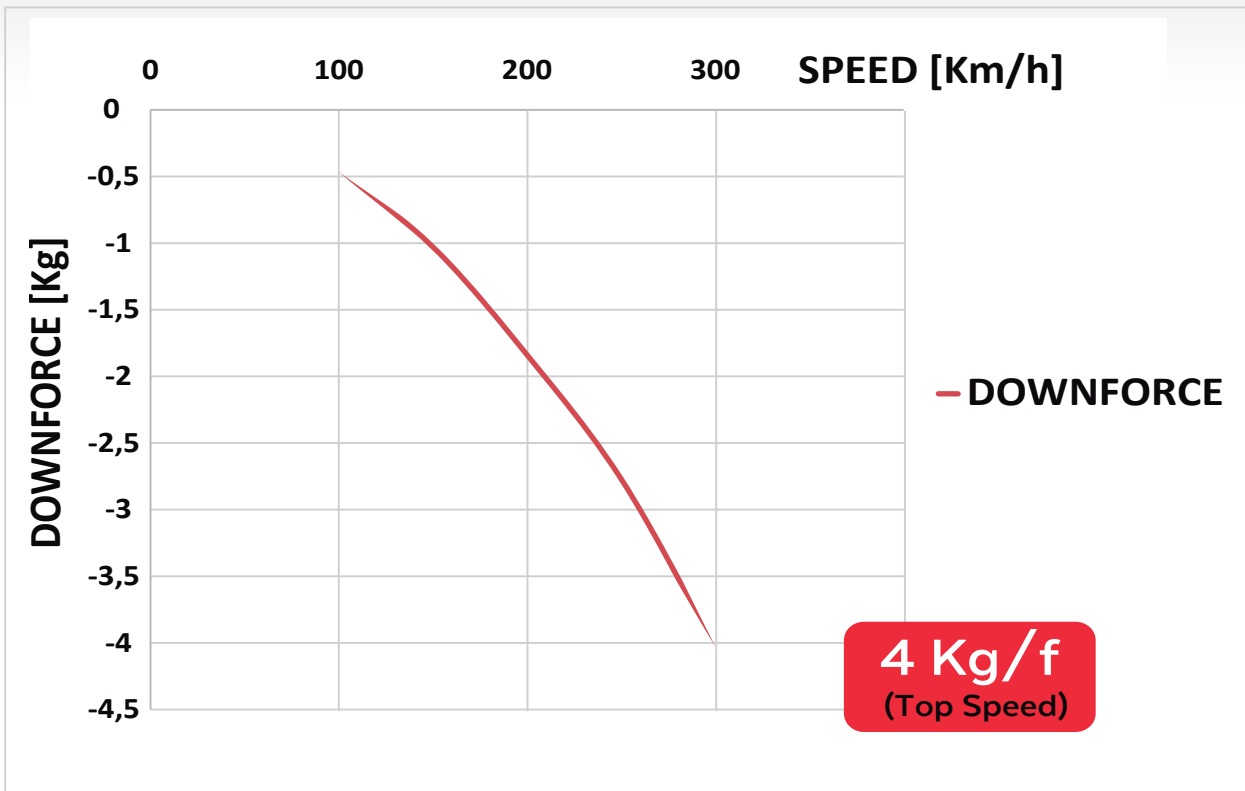
On this chart we can see the force that our bike has to overcome to advance depending on the speed we are travelling at. As we can observe this force is practically the same with the *Puig* Downforce Spoilers.

**WITHOUT SPOILERS**

**PUIG SPOILERS**



SPOILER'S DOWNFORCE



Downforce-Speed Chart:

The force that the spoilers generate can be calculated by the difference of the results obtained in the previous chart.

