

CFD FLOW SIMULATION

FRONTAL SPOILER GP

REF.20523

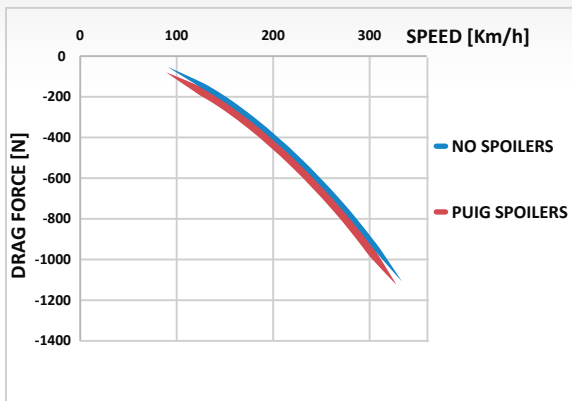
AERODYNAMIC TEST

YAMAHA YZF-R1

2020 -

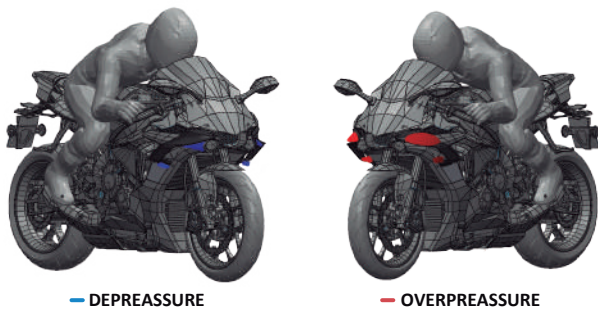


DRAG FORCE



Drag force - Speed Chart:

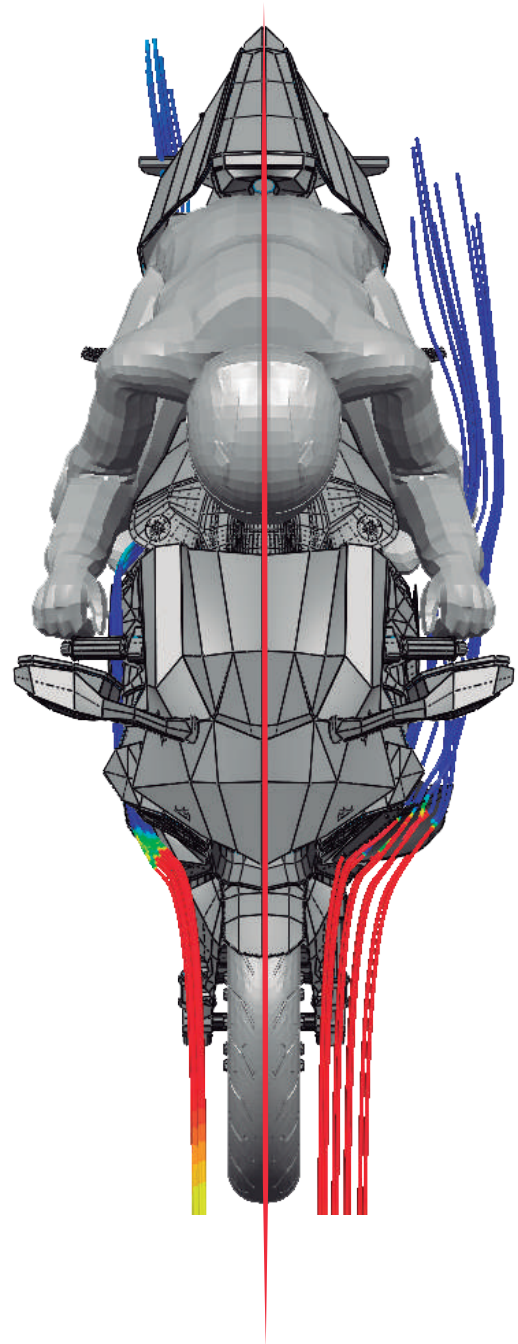
On this chart we can see the force that our bike has to overcome to advance depending on the speed we are travelling at. As we can observe this force is practically the same with the *Puig* Frontal Spoiler GP. So we will gain downforce without affecting bike speed.



Due to its angles and frontal surface, it creates an overpressure on the top of the spoiler. The turbulence create below, generates a difference of pressure between the upper and lower part of the spoiler. Which ultimately generates the aerodynamic downforce.

WITHOUT SPOILERS

PUIG SPOILERS



SPOILER'S DOWNFORCE



Downforce-Speed Chart:

On this chart we can see the downforce that the spoilers generate.

