

CFD FLOW SIMULATION

# FRONTAL SPOILER NAKED

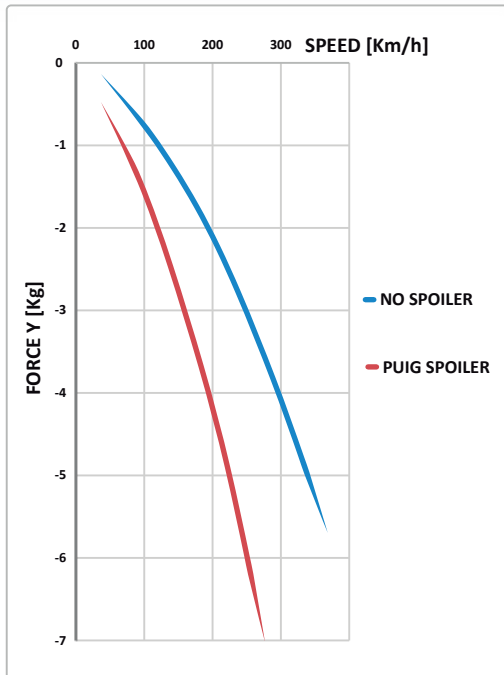
REF.3482

AERODYNAMIC TEST

**YAMAHA MT-09**  
2017 - 2020



**BIKE'S DOWNFORCE COMPARISON**

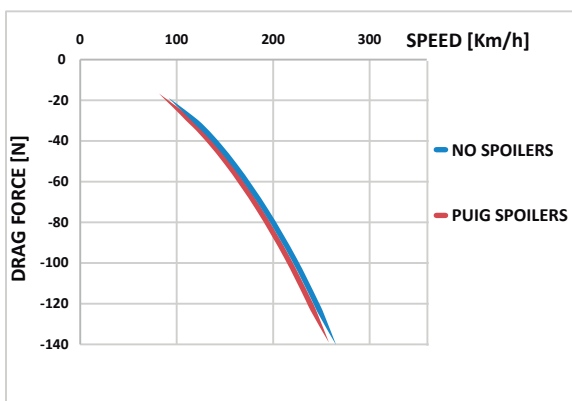


**Downforce-Speed Chart Comparison:**

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* spoiler and without them.

**DRAG FORCE**

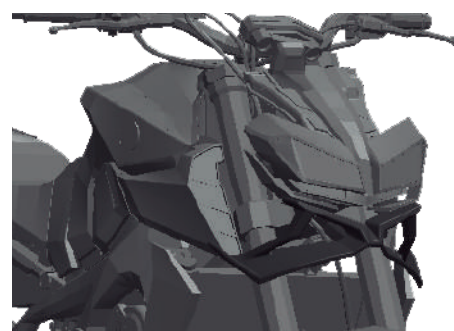
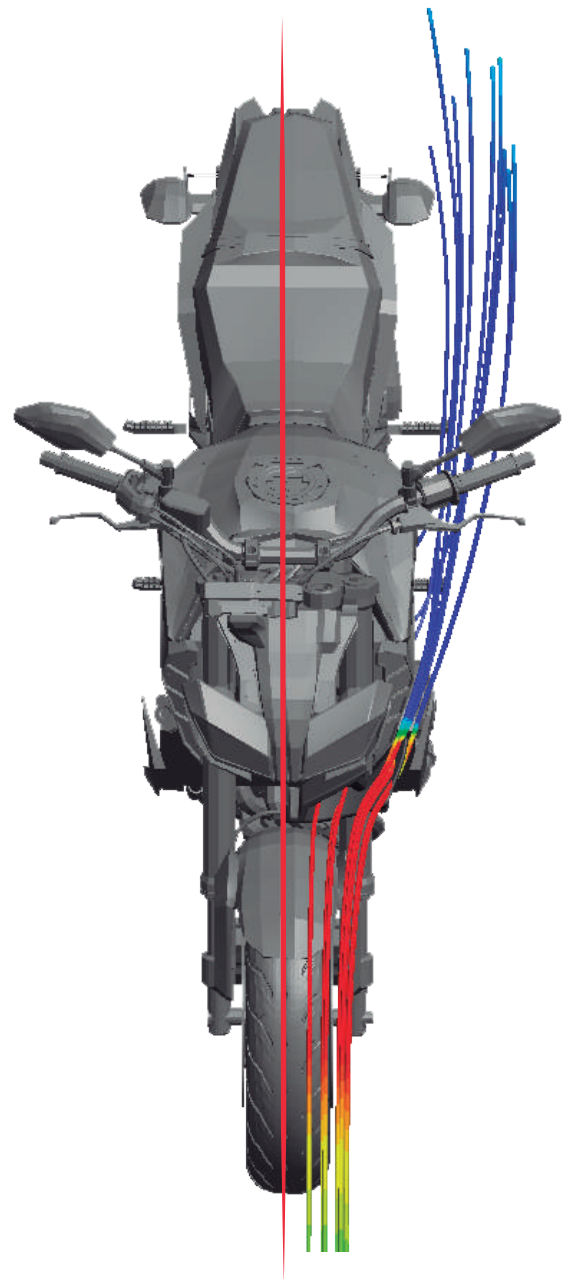


**Drag force - Speed Chart:**

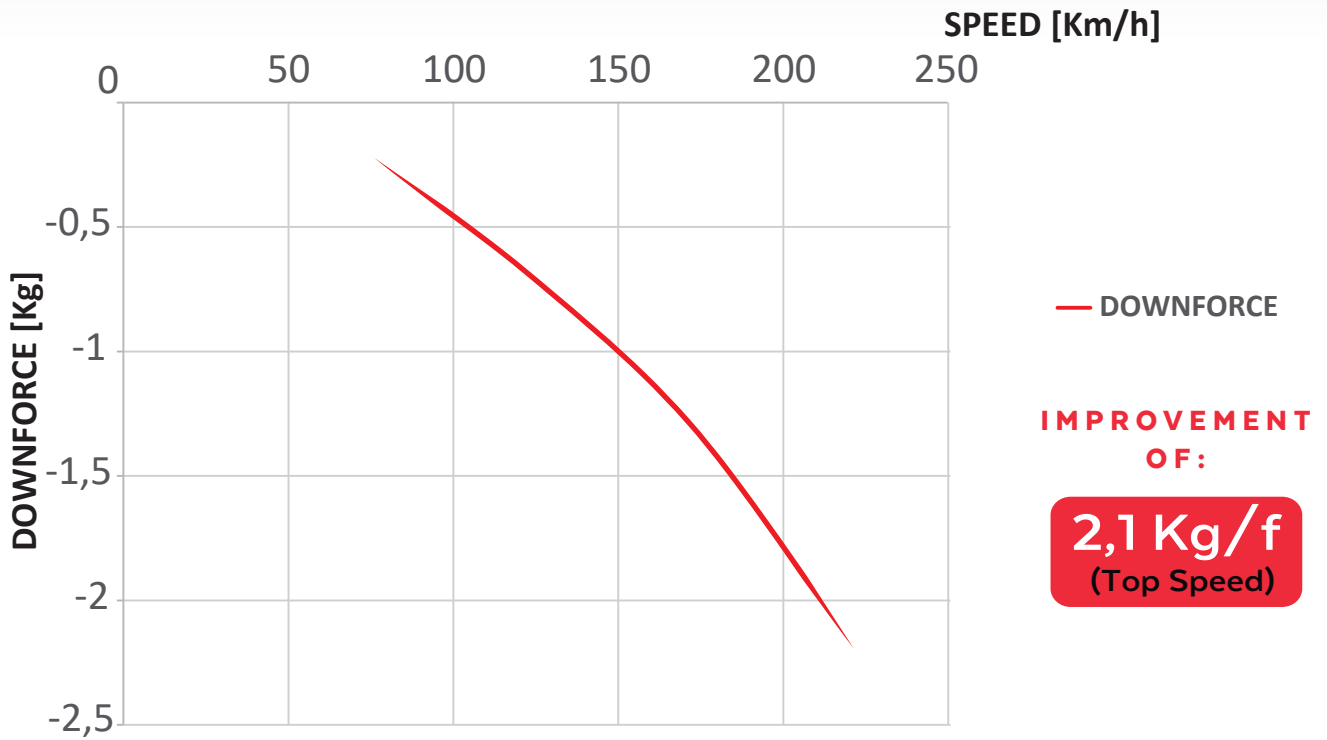
On this chart we can see the force that our bike has to overcome to advance depending on the speed we are travelling at. As we can observe this force is practically the same with the *Puig* Frontal spoiler naked.

**WITHOUT SPOILERS**

**PUIG SPOILERS**



SPOILER'S DOWNFORCE



Downforce-Speed Chart:

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

