

CFD FLOW SIMULATION

UPPER DEFLECTORS

REF.20420

AERODYNAMIC TEST

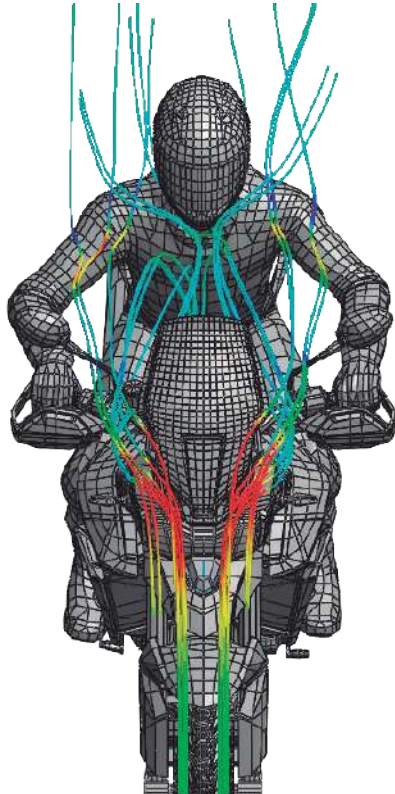
**TRIUMPH TIGER 900 / GT /
GT PRO / GT LOW / RALLY / RALLY PRO
2020 -**



AIR FLOW & PREASSURE COMPARISON



ORIGINAL DEFLECTORS



HELMET PROTECTION

87%

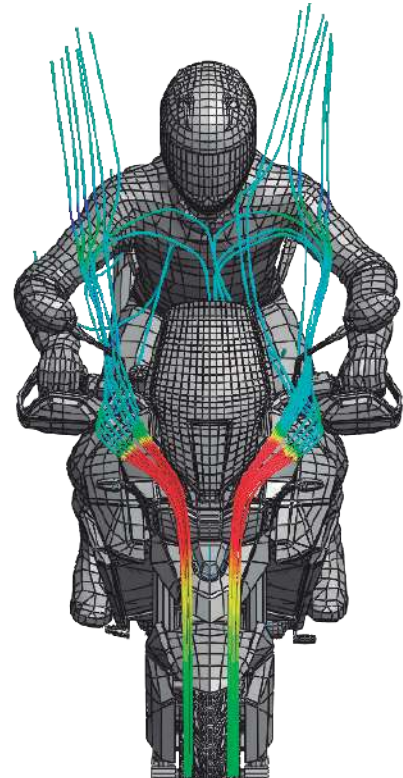
UPPER BODY PROTECTION

68%

LOW BODY PROTECTION

100%

UPPER DEFLECTORS



HELMET PROTECTION

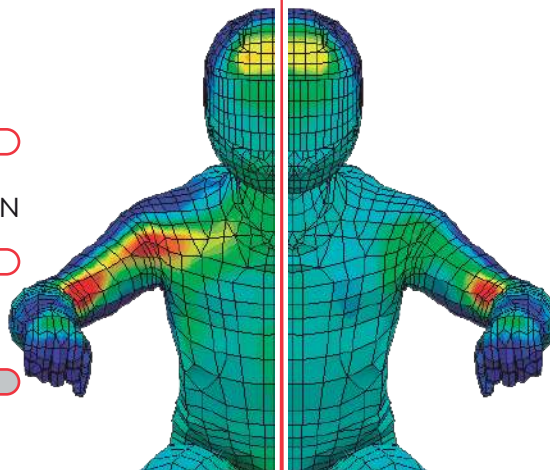
88%

UPPER BODY PROTECTION

94%

LOW BODY PROTECTION

100%



LOW PRESSURE

HIGH PRESSURE

TOTAL DISSIPATED PRESSURE WITH PUIG DEFLECTORS IS EQUIVALENT TO 1 Kg

INCREASE WIND PROTECTION

39% WITHOUT LOSING C_x

AERODYNAMIC TEST CONDITIONS

VSPEED	150 Km/h	94 mph
RIDER HEIGH	180 cm	5.9 ft
TEMPERATURE	20°	68°F
RIDER POSITION	Standard	
SCREEN POSITION	High	
LATERAL WIND	No	

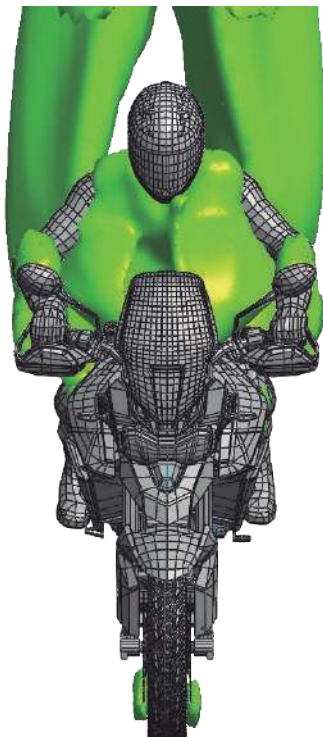
ACOUSTIC POWER LEVEL COMPARISON

55dB zone:

The green cloud that we can see in the following images defines the area affected by a sound level of 55dB. As we can see, when mounting the puig deflectors, we managed to remove all that annoying sound from the helmet area.



ORIGINAL DEFLECTORS

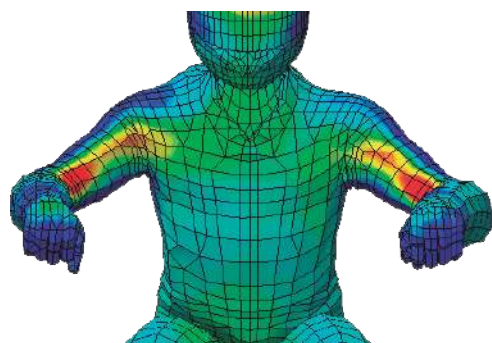


UPPER DEFLECTORS



PREASSURE COMPARISON

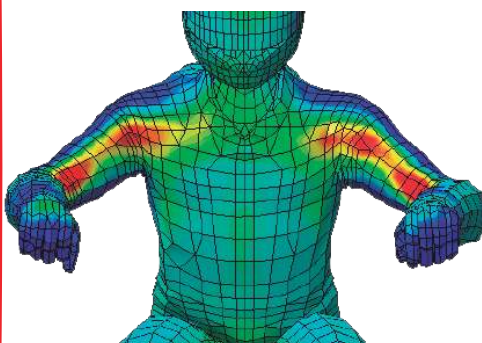
ORIGINAL DEFLECTORS (LOW POSITION SCREEN)



ARMS & HANDS PROTECTION

55%

ORIGINAL DEFLECTORS (HIGH POSITION SCREEN)

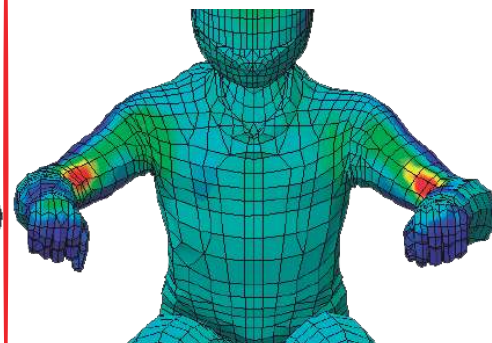


ARMS & HANDS PROTECTION

40%



UPPER DEFLECTORS (HIGH POSITION SCREEN)



ARMS & HANDS PROTECTION

80%

LOW PRESSURE

HIGH PRESSURE