

CFD FLOW SIMULATION

# V-TECH LINE TOURING WINDSHIELD

REF.3757

AERODYNAMIC TEST

**KYMCO X-CITING 400 S**  
2019 -

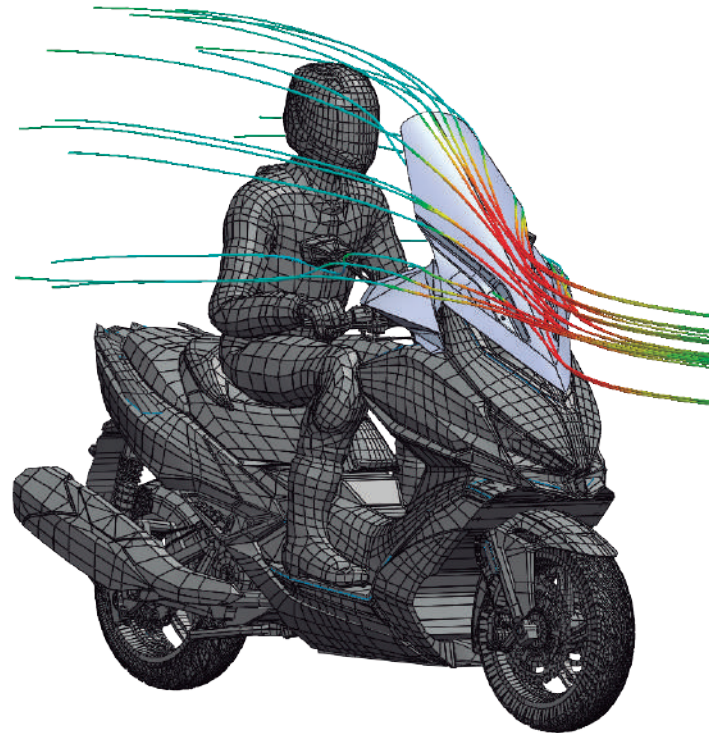


AIR FLOW & PREASSURE COMPARISON



ORIGINAL SCREEN

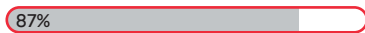
TOURING SCREEN



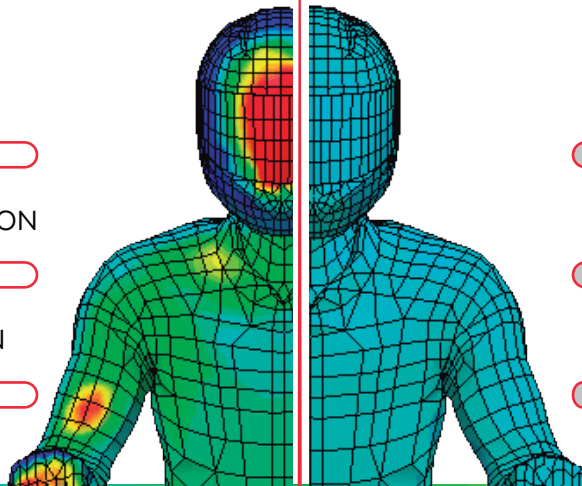
HELMET PROTECTION



UPPER BODY PROTECTION



LOW BODY PROTECTION



HELMET PROTECTION



UPPER BODY PROTECTION



LOW BODY PROTECTION



LOW PRESSURE

HIGH PRESSURE

TOTAL DISSIPATED PRESSURE WITH PUIG SCREEN IS EQUIVALENT TO **2.6 Kg**

INCREASE WIND PROTECTION

**99%** WITHOUT LOSING Cx

AERODYNAMIC TEST CONDITIONS

|                |          |          |
|----------------|----------|----------|
| VSPEED         | 120 Km/h | 94 mph   |
| RIDER HEIGH    | 180 cm   | 5.9 ft   |
| TEMPERATURE    | 20°      | 68°F     |
| RIDER POSITION |          | Standard |
| LATERAL WIND   |          | No       |

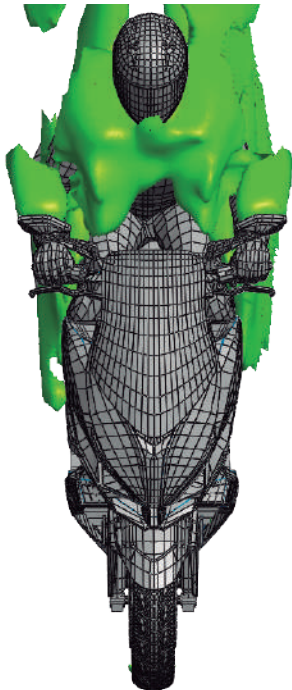
**ACOUSTIC POWER LEVEL COMPARISON**

**55dB zone:**

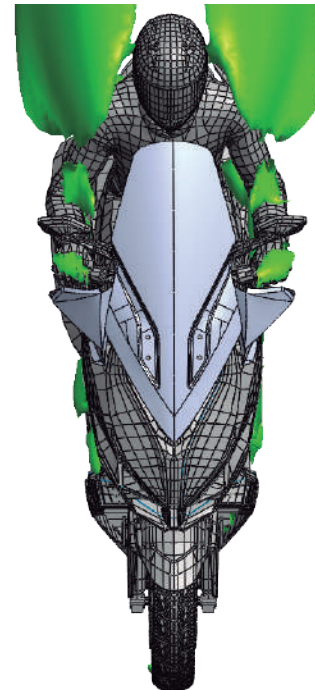
The green cloud that we can see in the following images defines the area affected by a sound level of 55dB. As we can see, when mounting the puig screen, we managed to remove all that annoying sound from the helmet area.



**ORIGINAL SCREEN**

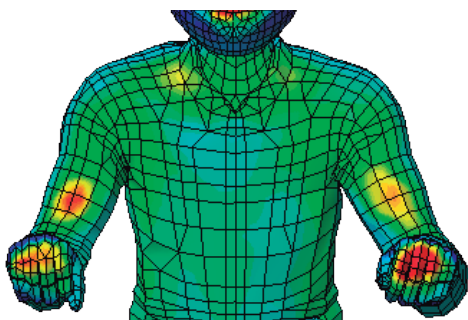


**TOURING SCREEN**



**HAND DEFLECTORS COMPARISON**

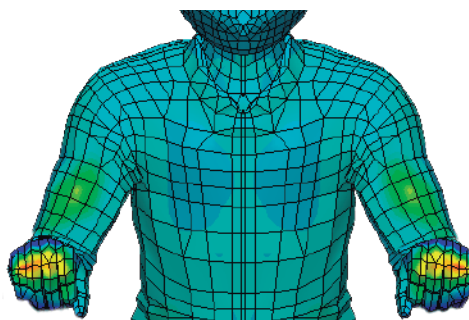
**ORIGINAL SCREEN**



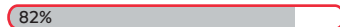
ARMS & HANDS PROTECTION



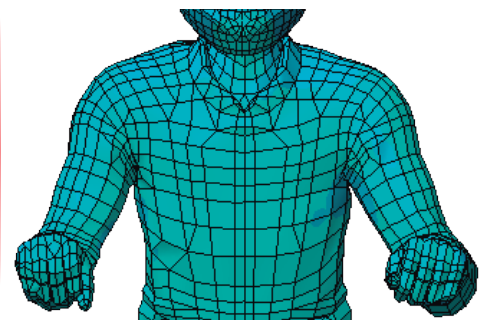
**WITHOUT HAND DEFLECTORS**



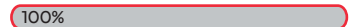
ARMS & HANDS PROTECTION



**WITH HAND DEFLECTORS**



ARMS & HANDS PROTECTION



LOW PRESSURE

HIGH PRESSURE