

CFD FLOW SIMULATION

V-TECH LINE TOURING WINDSHIELD

REF.3757

AERODYNAMIC TEST

KYMCO X-CITING 400 S
2019 -

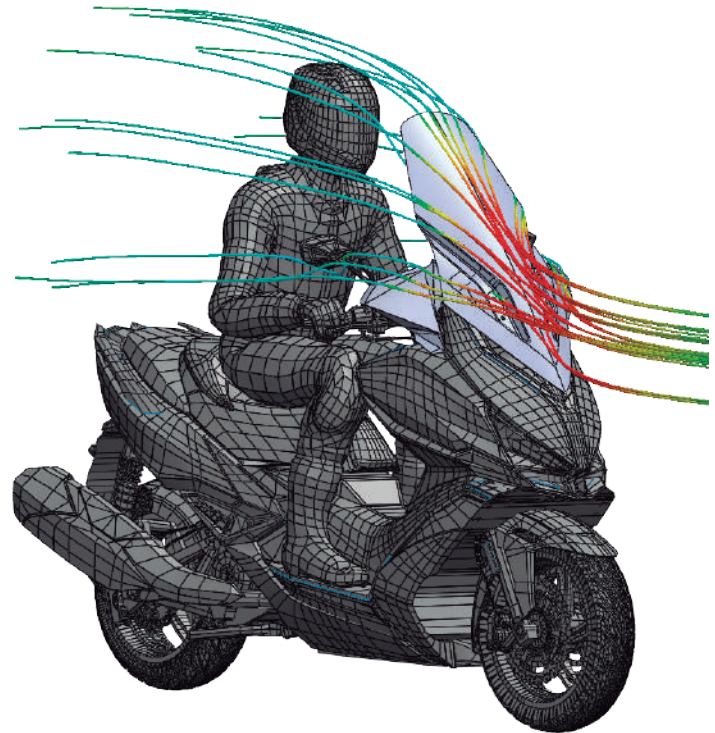


AIR FLOW & PREASSURE COMPARISON

Puig
 Hi-Tech Parts

ORIGINAL SCREEN

TOURING SCREEN



HELMET PROTECTION

21%

UPPER BODY PROTECTION

87%

LOW BODY PROTECTION

90%

HELMET PROTECTION

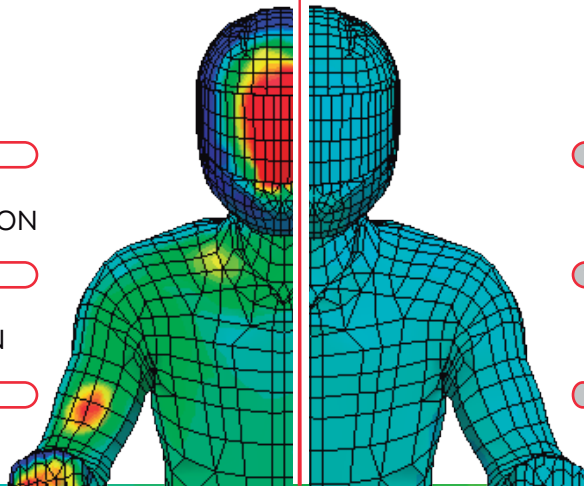
100%

UPPER BODY PROTECTION

100%

LOW BODY PROTECTION

100%



LOW PRESSURE

HIGH PRESSURE

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

INCREASE WIND PROTECTION

99% WITHOUT LOSING C_x

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	

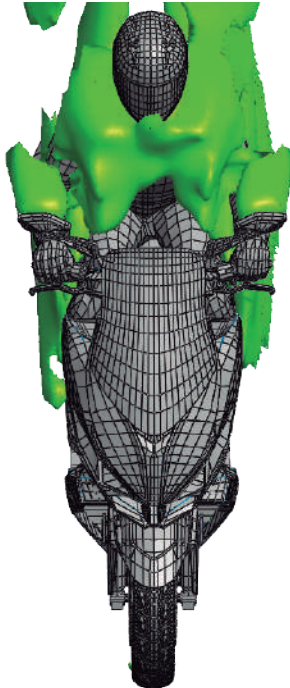
ACOUSTIC POWER LEVEL COMPARISON

55dB zone:

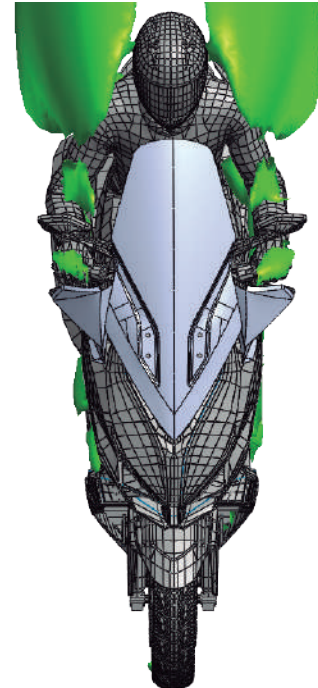
The green cloud that we can see in the following images defines the area affected by a sound level of 55dB. As we can see, when mounting the puig screen, we managed to remove all that annoying sound from the helmet area.



ORIGINAL SCREEN

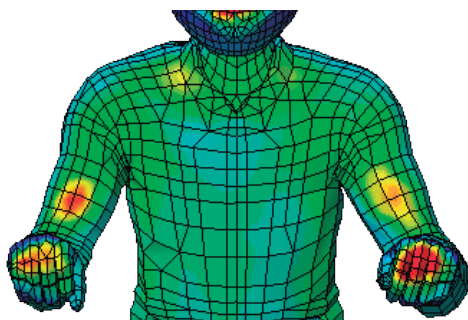


TOURING SCREEN



HAND DEFLECTORS COMPARISON

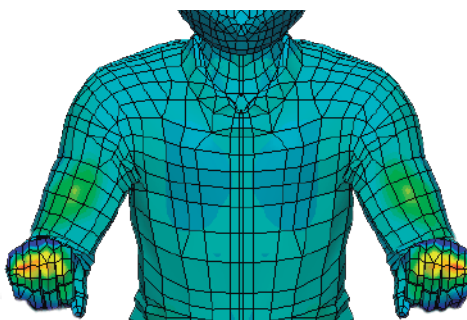
ORIGINAL SCREEN



ARMS & HANDS PROTECTION

61%

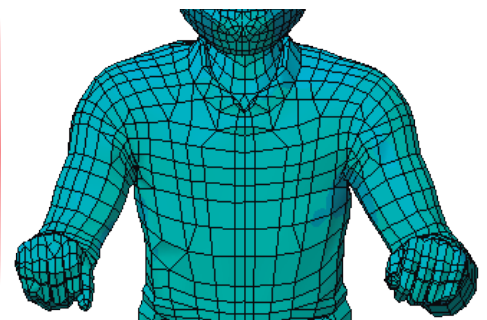
WITHOUT HAND DEFLECTORS



ARMS & HANDS PROTECTION

82%

WITH HAND DEFLECTORS



ARMS & HANDS PROTECTION

100%

LOW PRESSURE

HIGH PRESSURE