

CFD FLOW SIMULATION

R - RACER SCREEN

REF.20771

AERODYNAMIC TEST

A P R I L I A R S V 4

2 0 2 1 -



RIDER IN RACE POSITION

RIDER IN STANDARD POSITION

OEM

ORIGINAL SCREEN

Puig
Hi-Tech Parts

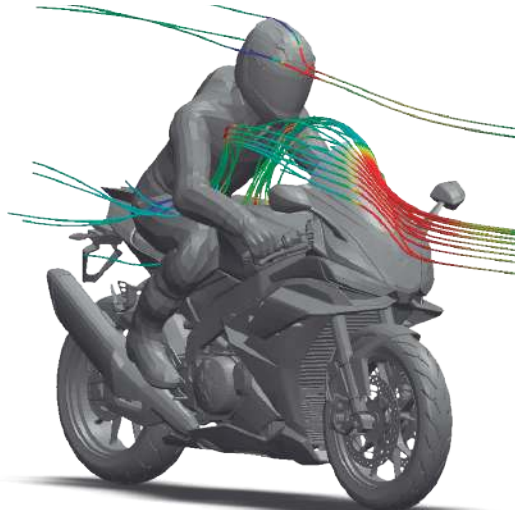
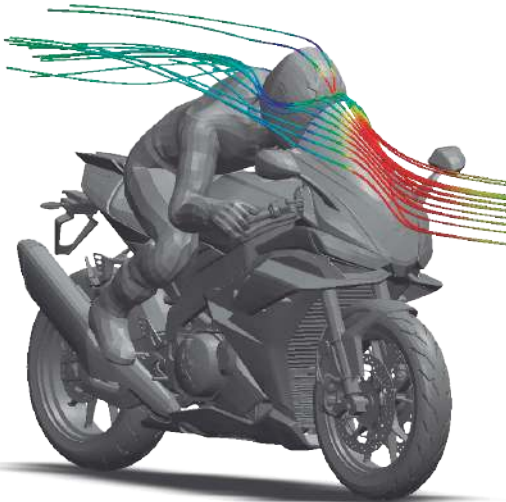
R-RACER SCREEN

OEM

ORIGINAL SCREEN

Puig
Hi-Tech Parts

R-RACER SCREEN



HELMET PROTECTION

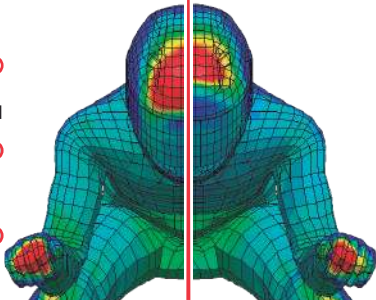
58%

UPPER BODY PROTECTION

100%

LOW BODY PROTECTION

100%



81%

UPPER BODY PROTECTION

100%

LOW BODY PROTECTION

100%

HIGH PRESSURE

HELMET PROTECTION

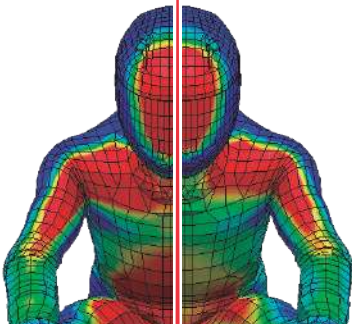
10%

UPPER BODY PROTECTION

21%

LOW BODY PROTECTION

44%



HELMET PROTECTION

12%

UPPER BODY PROTECTION

32%

LOW BODY PROTECTION

67%

HIGH PRESSURE

- 0 , 8 8 K g DISSIPATED PRESSURE

- 2 , 1 K g DISSIPATED PRESSURE

+ 4 3 % WIND PROTECTION

+ 2 6 % WIND PROTECTION

WITHOUT LOSING Cx

AERODYNAMIC TEST CONDITIONS

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