TT-Tri bike measurement (STT)

REPORT DATE:
27/9/2018

STUDY PERFORMED BY:

FULL NAME
Bike Measurement, Samples

BIKE

DISCIPLINE
TT/Tri bike

3D Motion Capture: Technical details

RECORDING DATE:
2017-11-28

DATA SAMPLING RATE:
100 Hz (frames/sec.)

RECORDING TIME:
8.99 sec.

ANALYSIS PROTOCOL:
TT-Tri bike measurement (STT)

Bike diagram

Measurements

BIKE FRAME & CRANKSET

A Reach 353 mm
B Stack 661 mm
P Crank Length 175.0 mm
O Effective pedal angle 73 deg.

HANDLEBAR / ELBOW REST

K Elbow rest width 216 mm
L Handlebar Width 77 mm
M Extension length 329 mm
Q Pad Reach 408 mm
R Pad Stack 735 mm

SADDLE

C Bottom bracket - Saddle (BRP) 697 mm
D Height of saddle (BRP) over elbow rest -64 mm
E Height of saddle (BRP) over bars -144 mm
F Saddle (BRP) to bottom bracket setback 204 mm
G Saddle to bottom bracket setback 58 mm
H Maximum pedal to saddle (BRP) distance (C+P) 872 mm
I Saddle (BRP) to elbow rest direct distance 616 mm
J Saddle tip to elbow rest direct distance 471 mm
N Saddle tilt (positive = tilted upwards) 4 deg.