



Noise Tests at Circuit Park Zandvoort.



Position of the sound measuring equipment.

The sound measuring equipment stands 24 meters from of the racing line. And approximately 5 meters above with the asphalt.

Circuit requirement.

At passing the sound measuring equipment the maximum level of noise is 92 dB.

Engine RPMs on performance indicator.

The engines are tested at 12000 rpm on the performance indicator.

Used material:

MS Twin kart with 2x 125cc TM motors.



Silencing device large:

Length 32 cm
 diameter 10 cm
 Inlet pipe diameter 26 mm
 Exhaust pipe diameter 38 mm

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Thanks to: Niek Oude Luttikhuis (www.cpz.nl), Jan Kramer (www.mskart.nl)
 Opsteller Henk Hali

Silencing device small:

Length 23 cm

diameter 6.5 cm

Inlet pipe diameter 28 mm

Exhaust pipe diameter 32 mm

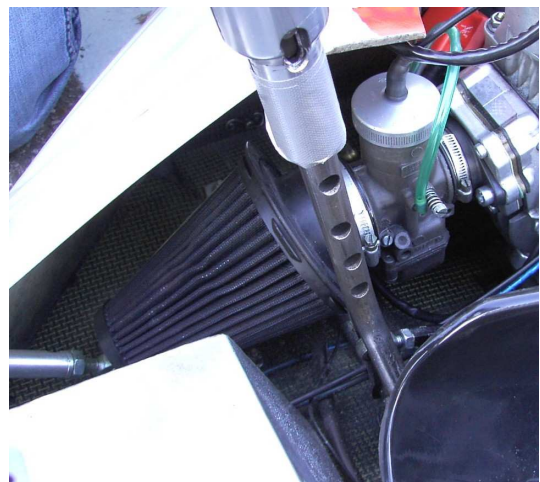


Inlet filter large:

Type - KG/CIK/FIA/37/-38/SA/15

Inlet filter small:

Type - K&N filter



The results:

MS TWIN KART, 2x TM 125cc, Inlet filter small, silencing device small 97.8 dB
MS TWIN KART, 2x TM 125cc, Inlet filter large, silencing device large 91,5 dB
MS TWIN KART, 2x TM 125cc, Inlet filter small, silencing device large 93,9 dB
MS TWIN KART, 2x TM 125cc, Inlet filter large (without filling (filter and sound dampening material)), silencing device large 92,5 dB

Best result:

MS TWIN KART, 2x TM 125cc, Inlet filter large, silencing device large 91,5 dB

Measuring carried out according to FIA/CIK method:

MS TWIN KART, 2x MT 125cc, Inlet filter small, silencing device small 113.8 dB
MS TWIN KART, 2x MT 125cc, Inlet filter large, silencing device large 108.4 dB

Conclusion:

MS TWIN KART, 2x MT 125cc, Inlet filter large, silencing device large 91.5 dB lies within the standard.



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