



Product Service

Technical Report No. 71368117

Revision: 1

dated 2010-06-25

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Client: Invacare Deutschland GmbH
Kleiststrasse 49

D - 32457 Porta Westfalica

Manufacturing place: Invacare Deutschland GmbH
Kleiststrasse 49

D - 32457 Porta Westfalica

Test object: Type / model: FDX
Classification acc. to. DIN EN ISO 9999: 2007 12 23 06
Class of use: B
Max. user weight: 136 kg

Test specifications: DIN EN 12184: 2009

Purpose of examination: Testing according to the test specifications.

Test result: The test subject was found to be in compliance with the test specifications.

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1 Description of the test subject

The electrically driven wheelchair type: FDX presented for testing is designed to operate in indoor and outdoor environment. The wheelchair can be front wheel driven. The version presented for testing is electrically adjustable in the seat inclination, in the back rest and electrically adjustable in the seat height. The max. load is 136 kg.



1.1 Technical Data

Test subject:	Electrically driven wheelchair
Model:	FDX
Class of use:	B
Total height:	1130 mm – 1430 mm
Total length:	1140 mm
Total width:	710 mm
Obstacle height:	80
Max. speed:	10 km/h
Max. load:	136 kg
Max. safe slope:	8° (in the standard seat position as specified by the manufacturer)
Driving motor:	Invacare Corp., speed 4 pole 520 mm
Motor of the adjustment of the seat angle:	Reac, model: RE20/23
Motor for adjustable seat height:	Danaher Motion, model: movoact TC16
Motor for adjustable backrest:	Nidec-Valeo, model: GMPG
Power electronics:	Dynamic Controls Ltd, type: DX/DX2
Batteries:	MK Battery, 2 × (12 V, 60 Ah (20hr)), model: M34SLDG
Battery charger:	CTE Corporation, model: BAT-GCO812, 24 VDC, 8 A Shanghai Winsunny Electronics Tech. Co., Ltd., model: WS230-1, 24 VDC, 8 A



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2 Order

2.1 Date of Purchase Order

The testing of the has been carried out per purchase order of Invacare Deutschland GmbH dated at 2010-04-08.

2.2 Date of Receipt of Test Subject

The testing has been performed at TÜV SÜD Product Service, Masurenweg 1-3, D-30163 Hanover. The test subject was delivered to the test laboratory on 2010-04-09 (HAN-103755) by the manufacturer itself.

3 Remarks

Motorised wheelchairs are motor vehicles according to the traffic law (§1, chapter 2). Wheelchairs which shall be operated on public roads have to fulfil the requirements of the German Traffic Law (StVZO), of the Road Traffic Regulations (StVO) as well as of the FZV (Fahrzeugzulassungsverordnung). This also applies to motorized wheelchairs with a design-related maximum speed of 6 km/h (see also §18 StVZO, explanation 1).

4 Summary

The test subject was found to be in compliance with the test specifications.

TÜV SÜD Product Service GmbH


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