



Product Service

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## Technical Report No. 71385443

Revision: 1  
dated 2011-03-30

Client: Invacare Deutschland GmbH  
Kleiststrasse 49  
32457 Porta Westfalica

Manufacturing place: Invacare Deutschland GmbH  
Kleiststrasse 49  
32457 Porta Westfalica

Test object: Type / model: Kite  
Classification acc. to. DIN EN ISO 9999: 2007 12 23 06  
Class of use: B  
Max. user weight: 160 kg

Test specifications: DIN EN 12184: 2009

Purpose of examination: 1. re-testing due to the points of non-compliance as listed in the Technical Report No. 71383283 according to the test specifications.

Test result: The test results show that the presented product is in compliance with the specified requirements.

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## 1 Description of the test subject

The electrically driven wheelchair type "Kite" presented for testing is designed to operate in indoor and outdoor environment. The seat inclination is electrically adjustable. The electrically driven wheelchair can be controlled via the joystick module of the DX2 controller.



### 1.1 Technical Data

Test subject:	electrically driven wheelchair
Model:	Kite
Class of use:	B
Total height:	1020 mm
Total length:	1110 mm
Total width:	665 mm
Obstacle height:	100 mm ( with obstacle climbing device)
Max. speed:	10 km/h
Max. load:	160 kg
Max. safe slope:	10° (in the configuration as from manufacturer specified)
Driving motor:	Invacare, type: 4PH-18 (340 W; 24 V <sub>DC</sub> )
Drive of the adjustment of the seat angle:	REAC, type: RE25 (3200 N; IP55; 7A; 24 V <sub>DC</sub> )
Power electronics:	Dynamic Controls Ltd, type: DX2 DX2-PMA90L; DX2-ACT4; DX2-REM550
Batteries:	2x MK battery, type: M24SLDGFT (12 V <sub>DC</sub> ; 73 Ah)
Battery charger:	Shanghai Winsunny Electronics tech., type: WS230-1 (IN: 230 V <sub>AC</sub> ; 50/60 Hz; OUT: 24 V <sub>DC</sub> ; 8A)



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## 2 Order

### 2.1 Date of Purchase Order

The testing of the Kite has been carried out per purchase order of Invacare Deutschland GmbH dated at 2011-02-11.

### 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 2011-02-16 (HAN-112054).

### 2.3 Results

The points of non-compliance as listed in the Technical Report No. 71383283 were removed at the test subject and documents presented for re-testing.

## 3 Remarks

### 3.1 General 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).

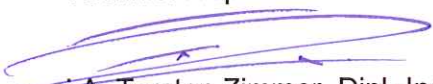
### 3.2 Remarks to user manual

The user manual has been examined according to the minimum requirements described in the product standard. The manufacturer is responsible for the accuracy of further particulars as well as of the composition and layout.

## 4 Summary

The test results show that the presented product is in compliance with the specified requirements.

TÜV SÜD Product Service GmbH  
Technical report checked:

  
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