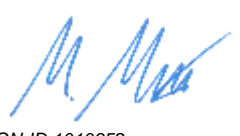
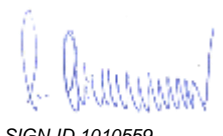



Report No.: 713349409

REPORT EN 12184:2022 TUV SUD Test Report for electrically powered wheelchairs, scooters and their chargers - Requirements and test methods			
Report No.:	713349409		
Date of issue:	2025-01-27		
Project handler:	Matthias Müller		
Testing laboratory:	TÜV SÜD Product Service GmbH		
Address:	Masurenweg 1-3, DE-30163 Hanover		
Testing location:	as above		
Client:	Sunrise Medical GmbH		
Client number:	1300036070		
Address:	Kahlbachring 2-4, 69254 Malsch / Heidelberg, Germany		
Contact person:	Mr. Gerhard Weis		
Standard:	EN 12184:2022		
TRF number and revision:	TRF EN 12184:2022 Rev. 0:2023-05		
eDoc_ID:	N/A		
TRF originated by:	TUV SUD Product Service, Mr. Matthias Müller		
Copyright blank test report:	<p>This test report is based on the content of the standard (see above). The test report considered selected clauses of the a.m. standard(s) and experience gained with product testing. It was prepared by TUV SUD Product Service.</p> <p>TUV SUD Group takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.</p>		
General disclaimer:	<p>This test report may only be quoted in full. Any use for advertising purposes must be granted in writing. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production.</p>		
Scheme:	<input type="checkbox"/> TUV Mark <input checked="" type="checkbox"/> without certification <input type="checkbox"/> AoC/CoC for EU-Directive / EU-Regulation: <input type="checkbox"/> GS Mark <input type="checkbox"/> NRTL Mark <input type="checkbox"/> other:		
Non-standard test method:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes, see details under <i>Summary of testing</i>		
National deviations:	N/A		
Number of pages (Report):	90		
Number of pages (Attachments):	N/A		
Compiled by:	Matthias Müller	Approved by:	Michael Steinmann
(+ signature)	 SIGN-ID 1010352 27.01.2025 Matthias Müller	(+ signature)	 SIGN-ID 1010559 27.01.2025 Michael Steinmann

Test Report EN 12184:2022

Report No.: 713349409

Test sample:	HAN-873688-1
Type of test object:	Add-on propulsion unit for manual wheelchairs
Trademark:	
Model and/ or type reference:	F55
Rating(s):	See copy of marking plate
Manufacturer:	Sunrise Medical GmbH
Manufacturer number:	1300036070
Address:	Kahlbachring 2-4, 69254 Malsch / Heidelberg, Germany
Name and address of factory(ies)	
N/A	
Sub-contractors / tests (clause):	N/A
Name:	N/A
Order description:	<input checked="" type="checkbox"/> Complete test according to TRF
	<input type="checkbox"/> Partial test according to manufacturer's specifications
	<input type="checkbox"/> Preliminary test
	<input type="checkbox"/> Spot check
	<input type="checkbox"/> Others:
Date of order:	2024-09-24
Date of receipt of test item:	2024-10-15
Date(s) of performance of test:	2024-11-04 to 2025-01-27
Test item particulars:	
Add-on propulsion unit for manual wheelchairs, type F55	
NOTE: A manual wheelchair (Sunrise Medical GmbH, type Argon2, SN: 203242550223801) was used for testing purpose but was not part of this evaluation.	

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Purpose of the product (description of intended use):

The F55 presented for testing is to be used as an add-on power propulsion unit, turning a manual wheelchair into a three wheel, trike style chair, compatible with a range of manual wheelchairs. It is suitable for indoor and outdoor use.

Characteristic data (not shown on the marking plate):

length:	840 mm
width:	600 mm
height:	1040 mm
weight:	13 kg
braking system:	running brake: electrical brake and a disk brake parking brake: disk brake (brake lever lockable)
rated voltage:	36 V _{DC}
max. user weight:	110 kg
rated slope:	6°
max. speed:	20 km/h
driving wheel:	
- size:	14"
- tyres:	air-filled <input checked="" type="checkbox"/> / rubber <input type="checkbox"/>
power electronics:	On-board control by Sunrise Medical GmbH
driving motor:	Ansmann AG, SCM 2.1: 36 V _{DC} , 300 rpm, 250 W
battery:	Ansmann AG, AEI-DHF1UPS104B.916/3200-0059-1: 36 V, 13.6 Ah
battery charger:	Ansmann AG, CPF080L1002 Input: 100-240 V _{AC} , 50-60 Hz, 2.5 A Output: 42 V _{DC} , 2 A

Attachments:














N/A

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If additional information is necessary, please provide

Ambient temperature range during testing: 20.5°C to 23.9°C

Copy of marking plate:

 SUNRISE MEDICAL.		 Sunrise Medical GmbH Kahlbachring 2-4 69254 Malsch / Germany		 2020-05-03	
		[SN] 4050063593601			
TYPE: F55		Power Assist			
 110 kg	 max. 6 °	 20 km/h	 36 Volt	 max. 400W	    Li-Ion 

Remark: In addition, the mandatory symbol ISO 7010-M002 is attached next to the type plate