


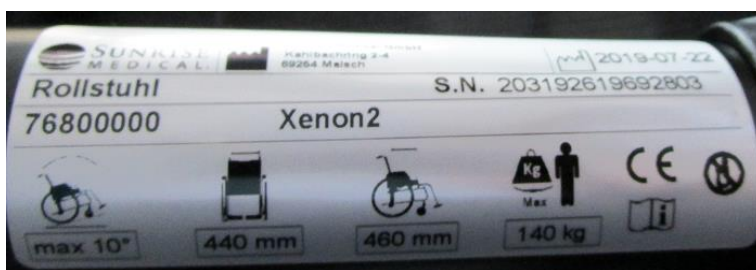


<b>TEST REPORT</b> <b>EN 12184:2014</b> <b>TUV SUD Test report for</b> <b>Electrically powered wheelchairs, scooters and their chargers -</b> <b>Requirements and test methods</b>	
Report reference No. ....:	713167705-1
Date of issue .....	2020-01-27
Project handler.....:	Dipl.-Ing. (FH) Matthias Müller
Testing laboratory .....	TÜV SÜD Product Service GmbH
Address .....	Masurenweg 1-3, 30163 Hanover, Germany
Testing location .....	as above
Client .....	Sunrise Medical GmbH
Client number.....:	36070
Address .....	Kahlbachring 2-4, 69254 Malsch / Heidelberg, Germany
Contact person.....:	Mr. Gerhard Weis
Standard.....:	This TUV SUD test report form is based on the following requirements: EN 12184:2014
TRF originated by. ....:	TUV SUD Product Service GmbH, Mr. Michael Kese, Dipl.-Ing. (product specialist)
Copyright blank test report .....	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 GmbH.  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.
Scheme .....	<input type="checkbox"/> TÜV Mark <input checked="" type="checkbox"/> without certification
Non-standard test method.....:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes, see details under Summary
National deviations .....	N/A
Number of pages (Report).....:	67
Number of pages (Attachments) .....	N/A
Compiled by .....	Approved by.....:
(+ signature)	(+ signature)
 SIGN-ID 322834 <b>i.A. Matthias Müller</b>	 SIGN-ID 323224 <b>i.A. Jens Meyer</b>

Test sample.....:	HAN-441382-1, HAN-444528-1	
Type of test object.....:	Add-on propulsion unit for manual wheelchairs	
Trademark.....:		
Model and/or type reference .....	Empulse F55	
Rating(s).....:	See copy of marking plate	
Manufacturer .....	Sunrise Medical GmbH	
Manufacturer number.....:	36070	
Address .....	Kahlbachring 2-4, 69254 Malsch / Heidelberg, Germany	
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"/>	
Date of order.....:	2019-08-07	
Date of receipt of test item.....:	2019-08-20 and 2019-08-30	
Date(s) of performance of test.....:	2019-09-26 to 2020-01-27	
Test item particulars:	Add-on propulsion unit for manual wheelchairs type: Empulse F55, tested with a manual wheelchair by Sunrise Medical type: Xenon2	
		
	Two variants of the Empulse F55: 14" (main test) and 8" (supplementary test). Both variants are mechanically and electrically identically designed, with the exception of drive wheel diameter and the motor.	
	Weight of the test sample (14" Empulse F55 and manual wheelchair): 31.2 kg	
	Weight of the test sample (8.5" Empulse F55 and manual wheelchair): 30.9 kg	
Attachments:	N/A	

General remarks:

"(see remark #)" refers to a remark appended to the report.  
 "(see appended table)" refers to a table appended to the report.  
 Throughout this report a comma is used as the decimal separator.  
 The test results presented in this report relate only to the object tested.  
 This report shall not be reproduced except in full without the written approval of the testing laboratory.

Summary of testing:

The product fulfils the requirements of EN 12184:2014 and applicable parts of EN 12183:2014

Additional information on Non-standard test method(s)

Sub cl..... : --

Page..... : --

Rational..... : --

deviation(s) found / product is not in compliance with the specified requirements

no deviations found / product is in compliance with the specified requirements

If additional information is necessary, please provide

Copy of marking plate:

