

# **CENTRE FOR TESTING AND CERTIFICATION - MECH-TEST**

**Mechanical Laboratory** 

05-077 Warszawa-Wesoła, ul. Klonowa 22 tel. +48 603 23-26-45, e-mail: cbc.mech.test@gmail.com, www.cbc.org.pl

		Date 31.08.2020
	TEST REPORT NO. CE	BC-091/2020
		Page 1 of 18
Subject of testing:	Electric drive for a wheelchair	Classification according to PN-EN ISO 9999:2017-02: 12 21 24
Type / Model:	PAWS CITY	SN.: (01) 05907467803449 (11)200717(21)0001 Product Code: RPI12MMT0(
Manufacturer:	REHASENSE Sp. z o.o. ul. Sulejowska 45 G 97-300 Piotrków Trybunalski	Number of specimens: 1
Applicant:	A-Net s.c. ul. Łaskowice174 93-469 Łódź,	
Kind of testing	Testing scope according to application Mechanical testing for conformity with PN-EN 12182:2012; ISO 7176-part 1,	PN-EN 12184 : 2014:
Test started: 3.08.	2020	
Test finished: 31.0	8.2020	
	Aı	pproved by:
	57.	Andrzej Thaczyk
Special comments / e I) Annex 1-6 Identyl	enclosures: fication of wheelcheir elements	
lest results refer only to lest results reported her	entre for Testing and Certification (applicable to report for tested units. e are not applicable to the further modifications of the pro- neither copied differently as in the whole nor be published	fuct affecting its structure meterial or technology



	tical Laboratory of C	BC		Report no.: C	BC-091/2020			
	CHARACTERI	STIC OF I	ELECTRICALLY P	ROPELLED WHEELCI	Page: 2 of 18			
Name of w	heelchair: PAWS (	A171.4		NOT ELLED WHEREICI	HAIR			
Maximum	load capacity: 120 k		SN (01) 0590746	7803449(11)200717(21)	10004			
	Toate capacity: 120 K			100 0hoim 27 27 4	10001			
Mass of the	e drive: 21,8 kg	Elec		lehair	18: A			
Width of th		Length of	the drive: 825 mone					
Wheel sizes	Souther South	Wheel dia	meter: 378 mm	Height of the drive: 840 mm Wheel width: 59 mm				
TT HOUL SIGNE	(62-203) 12½ x 2¼	Pressure:	40 PSI/275 kPa	Material of the drive: alum., steel, pla				
		ription			ulum., steel, plastic			
Dimensions:		Throw		Wheelchair	Wheelchair+			
	LACH gen			778 mm	electric drive			
	Height (max.)			780 mm	1295 mm			
Construction	Width:			555 mm	945 mm			
frame:					556 mm			
TT CELLEVE	Method of fasteni	ing frame e	lements:	Aluminum Walding triat a li	Aluminum			
Drive wheels	r viulity/unioiding	g:		Welding/rivets/bolts	Welding/rivets/bolt			
DITAC MUCCIS	Ø external:			Unfolding	Unfolding			
	Ø pipe			533 mm				
	Material:			19 mm				
	Way of fastening t	to driven w	heel:	Aluminum	-			
Driving wheels	A UNUDER OF fasteni	ng normte te	o driven wheel:	Bolts	-			
NITAINR ARCEN	THE OF THE OF FIRE OF	IS Wheel		6 Aluminum	-			
	Dimension of tyre:	Dimension of tyre:			Aluminum			
	Pressure:			24"x1"(25x540mm)	121/2x21/4(62-203)			
	Way of fastening w	vheel to con	struction:	110 PSI,755 kPa, 7,5 bar	40 PSI, 275 kPa			
	V CI LICHI MILISTINAN	of ( mumbers	AP	Quick connector YES 3	Permanent			
				YES 3 YES 5	NO			
		djustment:	er and any	NO	NO			
Castor wheels	Incunation angle:			0,0"	NO			
	Ø of wheel: Width:			98 mm	-			
				34 mm	318 mm			
	Material of ring of a	a wheel:		Aluminum	59 mm			
	Material of fork:			Aluminum	Aluminum			
	Vertical adjustment	t (number o	fixing positions)	YES 3	Steel			
		COLUDIDADA	The second se	NO	No			
ackrest	WILL OIL OF ALL OF	nclination	angle:	YES	NO			
	Folding/unfolding:			Folding	NO			
	<b>Backrest</b> inclination	stepless:			Folding			
ilt levers	adjustment		of fixing positions	NO	NO			
il icycly	Two singular:		A ALANG POSITIONS	4	4			
ish handles	One lateral:			NO	NO			
	Kind:			NO One lateral	NO			
rking brake	Left:				One lateral			
	Right			YES	YES			
	Kind:			YES				
9	Material of lever:			Lever	Disc brake			
y	Fastening to frame:			Plastic With a menu	Plastic			
1	Way of adjustment:			With screws With screws and clamp	With screws			
halatan				stabilizing position of break				
	Material:			towards tyre				
	Colour: were made in the wheelchair w			Nylon	Nylon			







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#### TESTING

NORMATIVE REFERENCES	Applied
PN-EN 12182:2012 Technical aids for disabled persons - General requirements and test methods	YES
PN-EN 12183:2014 Manually propelled wheelchairs - Requirements and test methods	NO
PN-EN 12184:2014 Electrically powered wheelchairs, scooters and their chargers - Requirements and test method	YES
ISO 7176-1:2014 Wheelchairs – Determination of static stability	YES
ISO 7176-2:2001 Wheelchairs - Determination of dynamic stability of electric wheelchairs	YES
ISO 7176-3:2012 Wheelchairs - Determination of efficiency of brakes	YES
ISO 7176-4:2008 Wheelchairs - Energy consumption of electric wheelchairs and scooters and determination of theoretical distance	YES
ISO 7176-5:2008 Wheelchairs - Determination of overall dimensions, mass and turning space	YES
ISO 7176-6:2001 Wheelchairs – Determination of maximum speed, acceleration and retardation of electric wheelchairs	YES
PN-ISO 7176-7:2001 Wheelchairs - Measurement of seating and wheel dimensions	NO
ISO 7176-8:2014 Wheelchairs - Requirements and test methods for static, impact and fatigue strengths	YES
ISO 7176-9:2009 Wheelchairs – Climatic test for electric wheelchairs	YES
ISO 7176-10:2008 Wheelchairs - Determination of obstacle-climbing ability of electric wheelchairs	YES
PN-ISO 7176-14:2001 Wheelchairs – Power and control systems for electric wheelchairs – Requirements and test methods	NO
PN-ISO 7176-15: 2002 Wheelchairs - Requirements for informative disclosure, documentation and labelling	NO
PN-EN 1021-1:2007 Furniture. Assessment of ignitability o upholstered furniture. Ignition source: smouldering cigarette.	NO
PN-ISO 7176-16:2001 equivalent: PN-90/P-04823 Wheelchairs. Resistance to ignition of upholstered parts – Requirements and test methods	NO
ISO 7176-16:2012 Wheelchairs. Resistance to ignition of upholstered parts - Requirements and test methods	NO
PN-ISO 7176-19:2007 Wheelchairs. Wheeled mobility devices for use in motor vehicles	NO

#### **RESULT OF MECHANICAL TESTS ACCORDING TO PN-EN 12182:2012**

Requirement s according to clause	Test method according to clause	Checked characteristics/assemblies/parameters	Test result	Opinion	Comments
4.1	4.8, 5.2, 5.4.2, 5.5, 6, 8.2.1, 9.4, 10, 22, 24 and EN 1441	Risk analysis	_	N/T	
4.2	V/I	Expected characteristics and technical documentation	Conf.	Pos.	
4.3	EN ISO 14155	Clinic assessment		N/T	
4.4	V/I	Technical support which can be dismantled	Conf.	Pos.	
4.5	V/I	Single use connections	Conf.	Pos.	
4.6	V/I	Boundary values of user weight	Conf.	Pos.	
4.7	V/I	Immobilising means	Conf.	Pos.	
4.0	V/I, C5	Suitability of the product for people with cognitive impairment	_	N/T	
4.8		The presence of the description in the manufacturer's documentation	-	N/T	
		Materials			
5.1	EN 60601-1-9	Recycling		<i>N/T</i>	
5.2	V/I, B 5.2	Flammability (PN-EN 1021-1:2007)	_	N/T	NOTE 9
5.2.2	V/I	Upholstered parts, mattresses, bed bases and bedding		N/A	
5.2.3	V/I, EN 1021	Upholstered parts		N/A	
5.2.4	V/I, EN 597	Mattresses and bed bases		N/A	
5.2.5	V/L EN ISO 12952	Bedding		<i>N/A</i>	
5.2.6	V/I. EN 60695-11-10	Moulded parts	-	N/T	
5.3	EN ISO 10993-1 Annex. D	Biological conformity and toxicity	_	N/T	

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			oratory of (				Ke	eport		BC-091/2020 Page: 5 of 18
Requirement 8 according	to clause Test method	according to clause	charac	Checked eteristics/assemblies	/parameters	Teres		pinion		Comments
5.4		V/I	Contaminar	nts and residues			_	N/A		
	V/L.,	<b>B.5.5.1</b>	37 a	Cleaning		Ca		_	Comme	and the state
	V/L.,	B.5.5.1		Disinfection		Co	-	Pos.	Comm	ents in service manu
5.5	22	EN ISO 442-1 5.5.2	Microbiologica l infections and contamination	Animal tissue			-	V/A V/A		
5.6		0 9227	Resistance t	0 corrosion						
6				and and vibration				V/T		
6.1	EN IS	0 3746	Noise and vi			-				
Vel	the second se	86				Con	yf.   I	Pos.		
6.2		O 3746	Sound levels devices	and frequencies of audib	le warning	Con	f. P	Pos.		
6.3		O 3746	Feedback				N			
7		601-1-2 3, 7,4	Electromagn	etic compatibility		-	N			
8			Electrical sat	Îetv		-				
9	V	//		illage, leakage, and ingre-	of line it	-	N			
10	V/L M	leasur.	Surface temp	aratura	ss or nquids	-	N/	A		
						-	N/.		t <sup>r</sup> ≤41 <sup>°</sup> C ■ requirement does not concern direct solar radiation - PN-J 12182, clause 10a ■ requirement concerns only per with insensitiveness of skin (who	
11	V		Sterility			-	N	4	feel heat) -	PN-EN 12182 clause 10d
12	V/L.M		Safety of mov			Conf.	_	_	Comme	us in service manual
13	V/I. M	easur.	Prevention of	traps for parts of the hun	an body	Conf.				us in service manual
14	V	T		djusting mechanisms		Conf.	Pos			us in service manual us in service manual
15	V/I. M	casur.	Carrying hand	lles		Conf.	Pos			us in service manual us in service manual
16	V/L. M	easur.	Assistive proc	lucts which support or su	spend users					vere tested by
-	V/L M	-		nobile assistive products		Conf.	Pos	R	PN-	ISO 7176-8:2014
17				-		Conf.	Pos	K.		vere tested by
18	V/I, 1			ers, edges and protruding	parts	Conf.	Pos	,	PN-I	ISO 7176-8:2014
19	<b>B</b> 1		Hand held ass	istive products			N/A			
20	B2		Small Parts			Conf.	Pos		Commen	ts in service manual
21	V/L. Me EN 600		Stability							ere tested by
22	B 22,		Forces in soft	tissues of the human body		Conf.	Pos	_	ISC	07176-1:2014
_	V/I		Ergonomic pri		/	Conf	Pos	_		
23	EN 61	4-1		-			N/1		de	rements relate to the sign process
			TEST RE	SULTS ACCOR	DING TO I	N.E.	I 121	84.20	014	angin process
				7 WHEELCHAI	<b>PERFORM</b>	LANCE		0-1-21		
equire ments cordin g to clause	Test method according to clause	C	hecked cha	racteristics/assembli			Test res	sult	Opinio	Comments
			ing charakteri	istics			_			
.1.1		Meet	ing the require	ments of the table 1 and 2		-	Conf		D	
.1.2	8.1.2.2	Abili	ty to climb rate	ed slope	NOTE	6			Pos.	Tab. 1 (cl.A ())
1.3.2	8.1.3.3	Grow	nd unevenness				3 <sup>°</sup> Con	ſ.	Pos.	Tab.1 (cl.B $\beta \geq 6^\circ$ )
1.4.1	8.1.4.2	Maxi	mum downhill	speed			-		NIA	3 support points
1.5.1	8.1.5.2		mic stability				-		N/A	≤ 125% V
1.6.1	8.1.6.2	Obsta	icle climbing a	od descending	NOTE		3 <sup>e</sup> Con	<i>f</i> .	Pos.	Tab.1 (cl.A β≥3°) Tab.1 (cl.B β≥6°)
1	ISO7176-10				NOTE	<b>X</b>	Smm Ca			(cl.A h >15mm)

J.

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Require	e Tes		Repor	t no.:		C-091 age: 6		
ments accordin g to clause	n metho accord to clar	Checked characteristics/assemblies/narameters		est ult	Opi nion			nents
8.1.7.1	8.1.7. ISO717	2 Static stability 6-1	-	-	_			
8.1.8.1		Maximum sneed	Co	nf.	Pos.	Tal Tal	). I (ci ). I (ci	
8.1.9.1		Distance	Co	nf.	Pos.			
8.2.1	8.2.2	Statio import on 1 6 1	Co	nf.	Pos.			
8.3	ISO7170 ISO7176		Con	y	Pos.			
8.4	ISO7176	9 Climatic performance	-		NT	-		
9.1.1	0.1.0.1	Con-	Con	f.	Pos.			
9.1.1	9.1 <u>.2,1</u>		-					
_		Possibility to position the occupant's feet at the required height Presence of the technical means to prevent the occupant's feet from sliding Foot supports lower leg support exactly in a cocupant's feet from sliding	-	-		N/A		
		The second role support association of the second state of the sec			1	V/A		
		-incorporate a means to locate it securely in any intended amounting the		-		V/A		
		De acjustance in muternents not avoeding Acoustics		-		V/A		
		-Be accessible and operable by the occupant or an assistant or both in accordance with manufacturer's intended use of the wheelchair	the	-	1	VA	_	
		-Be within the reach space shown in Figure 1				VA		
		-Be operable without the use of tools		-	Λ	VA		
		-Means to prevent the occupant's fast from alidian intent		-		V/A		
		-The gap between the footrests ≤35mm or ≥100mm for adults and ≤25mm or ≥45mm	n for	-	Λ	I/A		
9.2	V/I	Component mass	TO THE	-	N			
	Measur.			1.5		-		
		Presence of the handling devices (e.g. handles) in components of mass greater than 10 kg, or Information indicating the points where components can be lifted and describing how they shall be handled there will be handled	-	N	0	i dismar	nended	Storage
9.3	V/I	carrying and assembly available	Conf.	Po	<b>s.</b>	1	of the part 32,2	
		Presence of the same type of valve connection on all types						
		The to alloud UC realling accessible when any still is the			onf	Pos.		
		Presence of the marking of the tyres or the rims with the maximum pressure	e in kPa		onf.	Pos.	-	
9.4		Anterior pelvic support			onf.	Pos.		
	EN 1021-1 EN 1021-2	Resistance to ignition of unholistaned community			-	N/A		
	24 1961-2	Resistance to ignition of the second composition parts NO1		_	-	N/T		
IN FORME		interials wor	0			N/T		
.5.3		Resistance to ignition of foam materials         NOT           Resistance to ignition of other parts         NOT		_	- 1	_		
.5.3 .5.4		Power and control systems NOT	Е9	-	-	N/T		
.5.3 .5.4 10	/I Mean	Power and control systems  PROPIL SION AND PRAKTNO ON	Е9			_		
.5.3 .5.4 10	/I Meas.	Resistance to ignition of other parts NOT Power and control systems PROPULSION AND BRAKING SY	Е9		-	N/T N/T	Pos	
.5.3 .5.4 10	/I Meas.	Resistance to ignition of other parts       NOT         Power and control systems       NOT         PROPULSION AND BRAKING SY       Means for operating brakes         Means for operating brakes shall:       -be accessible and operable by the operating brakes shall:	E 9 STEN	1	-	N/T N/T	Pos.	
5.3 5.4 10	/I Meas.	Resistance to ignition of other parts       NOT         Power and control systems       NOT         PROPULSION AND BRAKING SY       Means for operating brake         Means for operating brakes shall:       -be accessible and operable by the occupant or an assistant or both in accordance with manufacturer's intended use of the wheelsheit	E 9 STEM		- - Co	N/T N/T		
5.3 5.4 10	/I Meas.	Resistance to ignition of other parts       NOT         Power and control systems       NOT         PROPULSION AND BRAKING SY       Means for operating brake         Means for operating brakes shall:       -be accessible and operable by the occupant or an assistant or both in accordance with manufacturer's intended use of the wheelsheit	E 9 STEM		-	N/T N/T	Pos. Pos.	
5.3 5.4 10		Resistance to ignition of other parts       NOT         Power and control systems       NOT         PROPULSION AND BRAKING SY       Means for operating brake         Means for operating brakes shall:       -be accessible and operable by the occupant or an assistant or both in accordance with manufacturer's intended use of the wheelchair         -be within the reach space shown in Figure 1, if the wheelchair is intended to be oper occupant	E 9 STEM h the ated by 1	l be	- - Co	N/T N/T		
.5.3 .5.4 10		Resistance to ignition of other parts       NOT         Power and control systems       NOT         Propulsion And BRAKING SY       NOT         Means for operating brake       Means for operating brakes shall:         -be accessible and operable by the occupant or an assistant or both in accordance with manufacturer's intended use of the wheelchair         -be within the reach space shown in Figure 1, if the wheelchair is intended to be oper occupant         -be within the reach space shown in Figure 3, if the wheelchair is intended to be oper an assistant         -have operating forces for engaging and disconceivent is intended to be oper an assistant	E 9 STEM h the ated by 1 ated sole	the the		N/T N/T mf. 1 mf. 1 mf. 1	Pos.	
.5.3 .5.4 10		Resistance to ignition of other parts       NOT         Power and control systems       NOT         PROPULSION AND BRAKING SY       Means for operating brake         Means for operating brakes shall:       -be accessible and operable by the occupant or an assistant or both in accordance with manufacturer's intended use of the wheelchair         -be within the reach space shown in Figure 1, if the wheelchair is intended to be operation occupant         -be within the reach space shown in Figure 3, if the wheelchair is intended to be operation occupant         -be within the reach space shown in Figure 3, if the wheelchair is intended to be operating forces for engaging and disengaging that do not exceed those stated in tested in accordance with 10.1.2	E 9 STEM h the ated by t ated sole n Table :	the the		N/T N/T mf. 1 mf. 1 nf. 1	Pos. Pos. V/A	
.5.3 .5.4 10		Resistance to ignition of other parts       NOT         Power and control systems       NOT         Propulsion and control systems       NOT         Means for operating brake       Means for operating brakes shall:         -be accessible and operable by the occupant or an assistant or both in accordance with manufacturer's intended use of the wheelchair         -be within the reach space shown in Figure 1, if the wheelchair is intended to be oper occupant         -be within the reach space shown in Figure 3, if the wheelchair is intended to be oper an assistant         -have operating forces for engaging and disengaging that do not exceed those stated in tested in accordance with 10.1.2         If one or more brake levers are fitted to a wheelchair in the form used on bicycles modeds;	E 9 STEM h the ated by ( ated sole n Table : s and	the ily by I when		N/T N/T mf. 1 mf. 1 nf. 1	Pos. Pos.	
5.3 5.4 10 .1.1 V/		Resistance to ignition of other parts       NOT         Power and control systems       NOT         Propulsion and control systems       NOT         Means for operating brake       Means for operating brakes shall:         -be accessible and operable by the occupant or an assistant or both in accordance with manufacturer's intended use of the wheelchair         -be within the reach space shown in Figure 1, if the wheelchair is intended to be oper occupant         -be within the reach space shown in Figure 3, if the wheelchair is intended to be oper an assistant         -have operating forces for engaging and disengaging that do not exceed those stated in tested in accordance with 10.1.2         If one or more brake levers are fitted to a wheelchair in the form used on bicycle models:         for wheelchairs with a maximum occupant mass not greater than 150 kg, the force approver to hold the loaded wheelchair statement	E 9 STEM h the ated by 1 ated sole n Table : s and polied to	the sly by I when		N/T N/T mf. 1 mf. 1 mf. 1 mf. 1 mf. 1 Nf. 1 Nf. 1	Pos. Pos. V/A Pos.	
5.3 5.4 10 .1.1 V/	VI	Resistance to ignition of other parts       NOT         Power and control systems       NOT         Propulsion AND BRAKING SY       Means for operating brake         Means for operating brake shall:       -be accessible and operable by the occupant or an assistant or both in accordance with manufacturer's intended use of the wheelchair         -be within the reach space shown in Figure 1, if the wheelchair is intended to be operating brake shall:         -be within the reach space shown in Figure 3, if the wheelchair is intended to be operating forces for engaging and disengaging that do not exceed those stated in tested in accordance with 10.1.2         If one or more brake levers are fitted to a wheelchair in the form used on bicycle models:         for wheelchairs with a maximum occupant mass not greater than 150 kg, the force ap ever to hold the loaded wheelchair stationary on the rated slope shall not exceed 60 N	E 9 STEM h the ated by 1 ated sole n Table : s and plied to	the sly by I when		N/T N/T mf. 1 mf. 1 mf. 1 mf. 1 mf. 1 Nf. 1 Nf. 1	Pos. Pos. V/A	
5.3 5.4 10 .1.1 V/	V/I Meas.	Resistance to ignition of other parts       NOT         Power and control systems       NOT         Propulsion And BRAKING SY       Means for operating brake         Means for operating brake       Means for operating brakes shall:         -be accessible and operable by the occupant or an assistant or both in accordance with manufacturer's intended use of the wheelchair         -be within the reach space shown in Figure 1, if the wheelchair is intended to be operation occupant         -be within the reach space shown in Figure 3, if the wheelchair is intended to be operation operating forces for engaging and disengaging that do not exceed those stated in tested in accordance with 10.1.2         If one or more brake levers are fitted to a wheelchair in the form used on bicycle models;         for wheelchairs with a maximum occupant mass not greater than 150 kg, the force applied on the rated slope shall not exceed 60 N ever to hold the loaded wheelchair stationary on the rated slope shall not exceed 60 N ever to hold the loaded wheelchair stationary on the rated slope should not exceed 60 N ever to hold the loaded wheelchair stationary on the rated slope should not exceed 60 N ever to hold the loaded wheelchair stationary on the rated slope should not exceed 60 N ever to hold the loaded wheelchair stationary on the rated slope should not exceed 60 N ever to hold the loaded wheelchair stationary on the rated slope should not exceed 60 N ever to hold the loaded wheelchair stationary on the rated slope should not exceed 60 N ever to hold the loaded wheelchair stationary on the rated slope should not exceed 60 N ever to hold the loaded wheelchair stationary on the rated slope should not exceed 60 N ever to hold the loaded wheelchair stationary on	E 9 STEM h the ated by t ated sole n Table : s and plied to c to eac N	the sly by l when cach		N/T N/T mf. 1 mf. 1 mf. 1 Mf. 1 N mf. 1 N N N N	Pos. Pos. Pos. V/A Pos. V/A	
5.3 5.4 10 .1.1 V/	V/I I Acas.	Resistance to ignition of other parts       NOT         Power and control systems       NOT         Propulsion And BRAKING SY       Means for operating brake         Means for operating brake       Means for operating brakes shall:         -be accessible and operable by the occupant or an assistant or both in accordance with manufacturer's intended use of the wheelchair         -be within the reach space shown in Figure 1, if the wheelchair is intended to be operation occupant         -be within the reach space shown in Figure 3, if the wheelchair is intended to be operating forces for engaging and disengaging that do not exceed those stated in tested in accordance with 10.1.2         If one or more brake levers are fitted to a wheelchair in the form used on bicycle models;         for wheelchairs with a maximum occupant mass not greater than 150 kg, the force ap for wheelchair site in an 150 kg, the force ap for wheelchairs with a maximum occupant mass greater than 150 kg, the force ap for wheelchairs with a maximum occupant mass greater than 150 kg, the force applied to the loaded wheelchair stationary on the rated slope shall not exceed 60 N	E 9 STEM h the ated by t ated sole n Table : s and plied to i s d to eac N tom the im (see )	the sly by l when cach		N/T N/T mf. 1 mf. 1 mf. 1 mf. 1 N mf. 1 N N N	Pos. Pos. Pos. V/A Pos. V/A	

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		al Laboratory of CBC Report n	<b>D.: CB</b>	C-091	/2020
10.		L2.1 Braking functions		age: 7	
		a) The wheelchair shall have a summing have a first		Berr	0/10
		tyre inflation pressure and which does not an and optimits independently of tyre wear and	1	1	-
	ISO7			nf. P	os.
					U3.
-	100	b)The wheelchair shall have a running brake which, when operated after the wheelchair has been put into freewheel mode, shall bring the wheelchair to a stop	-		
		c) The wheelchair shall have a anternet in the wheelchair to a stop	Co	nf. P	0.5.
		and tyre inflation pressure and which is operated by releasing the control device to achieve a zero speed command (e.g. spring loaded disc brake)			
-		zero speed command (e.g. spring loaded disc brake)	- H	- N	T
		WINCECIMIT Shall have a perfine healer -1' t	1000		
-	-	tyre inflation pressure (e.g. drum brake in wheels, spring loaded disc brake)	Co	nf. Po	HT
				y. 40	136
		tested in accordance with 10.2.2.2	Cor	f. Po	SR.
		f)Parking brakes shall be operable when there is no power from the battery supplying the driv system			
		e)Parking brakes shall be anout i to the	Cor	if. Po	s.
-		g)Parking brakes shall be operable when the wheelchair is in freewheel mode (see NOTE 1) h)If they are subject to wear, parking brakes the line of the	Con	f Do	
		h)If they are subject to wear, parking brakes shall have provision for adjustment and/or replacement as specified by the manufacturer			
		i) If the wheelchair is fitted with any angular to the	Con	f. Po	2
	10	i) If the wheelchair is fitted with arm supports that can be moved or removed to enable transfer, when tested			
		in accordance with 10.2.2.3 encound produce having the start	10		
		the level of	1 -	NZ	(   )
	-	the occupied seat	18		
		j)When parking brakes are tested in accordance with 10.2.2.4, no parking brake mechanism shall move from the pre-set position and no component or provide the pre-set position and no component or provide the pre-set position and no component or provide the pre-set position and provide the providet the providet t	-	-	
		shall move from the pre-set position and no component or assembly of parts shall show visible signs of cracks, breakages, gross deformations from plan bars and by the pre-set position and no component or assembly of parts shall show visible		1	1
		signs of cracks, breakages, gross deformations, free play, loss of adjustment or any other damage that adversely affects the function of the wheeleder	Conj	. Pos	
		damage that adversely affects the function of the wheelchair k)Following testing of the preding balance in the interval		1	
		k)Following testing of the parking brake in accordance with 10.2.2.4, parking brakes shall meet the parking brake effectiveness requirement in Table 1	-	-	-
0.7		with 10.2.2.2	Conf	. Pos.	
0.3	V/I,Me	as. Freewheel device			
	-	The wheelchair shall be fitted with a free wheel device that the 11			
		The accessible and one shie by the accuracy to a set in the set of	-	N/T	
-	10000	manufacturer's intended use of the wheelchair	-		
		-be within the reach space shown in Figure 1, if the wheelchair is intended to be operated by the occupant	-	N/T	
-	-	the occupant	-	N/T	
		-be within the reach space shown in Figure 3, if the wheelchair is intended to be operated solely by an assistant		141	-
		solely by an assistant	- 1	NT	
-		-have operating forces for engaging and disengaging that do not exceed those stated in Table 1 -be operable without detaching any parts		-	-
		-be operable without detaching any parts	-	N/T	-
		-not depend on the battery power supplying the motor drive system		N/T	-
		have two defined positions including along indication . Co		N/T	-
.1	V/I			N/T	
.1	V/1 V/1	P - month interlated at the Composition of the second and the second sec	-	N/T	
.4		Controls intellect for operation by the domagnet	Conf.	Pos.	
 4.1	V/I	Controls intended for operation by an assistant	Conf.	Pos.	
•.1 5,1	11.4.2	Assistant control unit, push handles and bandoring	-	N/A	
5.1	11.5.2	Operating forces	-	N/A	
* <b>I</b>	11.6.2	Seating adjustments for tilt and rectine systems	Conf.	Pos.	
-		NOIB: required warning and/or most with	_	N/A	
		Controls for seating adjustments intended to be operated by the occupant is seating the occupant from all seating positions	-	- 771	
		the occupant from all seating positions Electrical systems		NA	
1	7176-14	General requirements		-	-
	7176-21	General requirements		- T	
-	60601-1		- 11	N/T	
	V/I,Meas.				
3	7176-14 EN 68529	Battery chargers	-	N/T	
	EN60335-1				
	V/I	Charging connector	- 1	N/T	
	V/I	Battery enclosures and containers	-	N/T	_
	7176-14	Emergency stop		N/T	
	2006/42/WE	Lighting			
- 1	76/756/EWG	- <del>0</del> <del>0</del>	-	N/T	
+	97/28/WE 7176-14	Ouris 11 martine	- 1	N/T	
_		Switching off while driving			
11.2		Software	-	N/T	
1	EN62304	DOLIVILY		N/T	_

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Require			ratory of CBC Report no				
ments		Test		P	ge:	8 of 18	
accordin		iethod	Charles 1				T
g to		cording	Checked characteristics/assemblies/parameters	5 3	l'est	Öptní	Co
clause	-				esult	on	mer
13	N N	/I Inform	ation supplied by the manufacturer			UII	
		Inform	ation and marking and in an analacturer		-	-	
-		Informe	ation and marking conforming EN 12182 available		-	374-	
	13		ation and marking conforming ISO7176-15 available information available		-	N/T	-
	13		formation available		-	N/T	
	13	a dam dalla presente	incompany available		-	N/T	
12184	V		information available	-	-	N/T	
13.3			tions for use		-	N/T	
1.5.03		Pre-sale	Information				
		a)inform	ation on how to obtain the user information in a format appropriate for use by impaired people				
		Visually	impaired people			A	-
	-	D)a descr	iption of the intended was and the intended was and the		- I.	NT	
		c)the inte	anded operator (occupant, assistant or both)	-	- 1	N/T	
		d)a descr	iption of the intended use as 1 (1 )	-		N/T	-
		e)the type	class of the wheelchair: Class A, B or C			N/T	_
		f)the over	rall dimensions (midth 1				
		millimetr	rall dimensions (width, length and height) of the assistive product, expressed in es, and its mass, expressed in kilograms, when it is made for	1		N/T	
		applicabl	es, and its mass, expressed in kilograms, when it is ready for use and, if				
		g)if the or	e, when it is folded or dismantled	- H	- 18	N/T	
		- 16/4 MC U		-	-		
		Tecomme	nded in A.1.1, a clear statement that the wheelchair is larger than the anded dimensions				
	-	bythe	aded dimensions	1 -		N/T	
		ajule mini	imum width of corridor in which the wheelchair can be turned to face the lirection				
		opposite d	urection the the time of the t	_		V/T	
	-	1)the rated	slope, expressed in degrees		1	*1	
		j)me stand	and options that are available of the	-	1	V/T	
			VI WICH LINE CAR he made on the start start	-		V/T	
				-		VT	
		m)the mas	S expressed in bilograms (Cut	1 -		VT	
	_	any remov	able parts that has a mass which is heavier than 10 kg				
		n)mformat	Of concerning whath a st	- 1	Λ	<i>i/T</i>	
		manufactor	er to be removed without the use of tools will have adverse or beneficial he wheelchair	1			
		effects on t	he wheelchair				
		0)informati	on on whether or act the 1 states	1	1	VT	
		vehicle and	on on whether or not the wheelchair is intended to be used as a seat in a motor	-	1-		-
		(D)Instruction	is regarding to the first of the standard options referred to in i)	-	N	T	
		q)the theore	tical continous deision and assistive product (e.g. III & Car or scroplane)	-		_	
		Wheelchoi	tical continues driving distance range, expressed in kilometres, that the can travel under its own power on the horizontal when the interest with the	-	N	T	
		with ISO 71	can travel under its own power on the horizontal when tested in accordance 76-4:2008, with the addition of a note explaining that the				
		reduced isa	76-4:2008, with the addition of a note explaining that the distance wheelchair is used frequently on slopes rouch another the distance will be				
		etc	the wheelchair is used frequently on slopes, rough ground or to climb kerbs,	- 1	N/	T	
		rithe ment	,, - ough ground of to chimb kerbs,		1		
-	-	I)Ule maxim	um height of kost - till a state			_	1
1		sjil a progra	ammable controller is fitted, information on the method of	-	N/	T	
		programmin	g, the competence required to carry out the method of		1	1.5	
4 V	-	performance	ag, the competence required to carry out the programming and the effects on	-	N/	<b>r</b>	
		User inform	ation				
		User informa	tion shall be moved at 1		1		-
		Information s	hall contain all pro-sale warming of the manufacturer with each assistive product.				
-		applicable for	each assisting the standings and informations and the following as	_	NA	-	
	111	a)the location	1 and the type of it		1.4		
_	1	be given for t	and the type of identification number/word on the assistive product shall the unique identification number of the assistive product shall				
		Jany adjustn	lent or settings multiplit and a substate product		N/1	-	
	- i	nformation o	n how adjust and before the assistive product can be used and			-	
1	C	)information	in how adjustments or settings affect the assistive product can be used and adjustment possibilities and de	-	N/T	1	
1	1	diustments	on adjustment possibilities and the competence required to carry out these	-		-	
	d	instruction	on any out these	- 1	N/T		
	-	instructions	on operation of all controls, including brakes				
1	0	masu uctions (	on how to engage and disengage the drive system	-	N/T		
- I	I,	une wheelcha	ir manufacturer's recommended tyre pressure(s), expressed in kPa, bar, or	-	N/T	1	
1	P	51	structure(s), expressed in kPa, bar, or			1	-
-	0	Instructions	for dealing with the most	_	N/T	1	
		the second se	pe and nominal vottage	-	37.000	1	
	h	the battery ty			JALL.		
	<b>h</b> i)	instructions fo	X battery maintan and see	-+	N/T N/T	-	_
	[i)	CENTRE FOR T	boratory, tal.: +48 603 23-26-45; e-mail: cbc.mech.test@gmail.com, www.cbc.org.pi		N/T	1140-	

		nical Laboratory of CBC Report no.:	CBC-	091/2020
121	184			e: 9 of 18
13	.3	<ul> <li>V/I j)instructions for operating the battery charger, including warnings regarding any potential safety hazards (e.g. a possibility of gas accumulating in the charging area);</li> <li>k) if required by the risk analysis instructions for fitting in the charging area);</li> </ul>		
		k) if required by the risk analysis instructions accumulating in the charging area);	_	• N/T
		device where the intended occupant has an impairment which could restrict their ability to operate one		
	-	operate one	o _	N/T
		Dinstructions on whether and how the wheelchair can be folded to assist in storage or transport		
	_	transport		ALCE
		m)instructions on dismantting and re-assembly of the assistive product or any removable parts;		N/T
-	-	parts; parts;	_	NT
-	_	n)instructions regarding transport of the assistive product (e.g. in a car or aeroplane) o)the masses of parts of the wheelchair that are approached in a car or aeroplane)	_	IVI
		o)the masses of parts of the wheelchair that are expected to be handled during dismantling, reassembly, or careating	-	N/T
_	-	dismantling, reassembly, or carrying	_	N/T
		plue positions of points where the service of the s	-	24/1
_		handling and/or a method for handling during dismantling, assembly or carrying q)if the manufacturer specifies that the physical dismantling, assembly or carrying	- I	N/T
		q) if the manufacturer specifies that the wheelchair is intended for use as a seat in a motor vehicle, the method of attaching wheelchair tiedown and and		11/1
		vehicle, the method of attaching wheelchair tiedown and occupant restraints, and recommendations about suitable tiedown and occupant restraints, and		
	-	recommendations about suitable tiedown and restraint systems	d – I	N/T
_		vehicle, a warning to that effect, together with the symbol shown in Figure 7 s) instructions on how to obtain and fit the article symbol shown in Figure 7	- 1	N/T
			-	
		not supplied with the wheelchair;	-	N/T
	1	t) the positions of points intended to carry additional loads (grocery basket, backpack hopk)	-	
_	-	INTER BOOK OBSACI, DECKPECK	-	N/T
		u) instructions for preparing the wheelchair for long-term storage (e.g. longer than four months) and for preparing it for use afterward	-	
	-	months) and for preparing it for use afterward	-	N/T
		V/ G Warning mar the wheelshe's mint of the test		
	-	that emit electromagnetic fields (e.g. alarm systems of shops, automatic doors, etc.); w) a warning that the driving performance of the where the state of shops.	-	N/T
	1	w) a warning that the driving performance of the wheelchair can be influenced by electromagnetic fields (e.g. those smitted by particular can be influenced by		
		electromagnetic fields (e.g. those emitted by portable telephones, electricity generators or high power sources)	-	NO
		X) a warning that the standard with		N/T
		x) a warning that the stopping distance on slopes can be significantly greater than on level ground		
		V) a warning that surface terms at	-	N/T
	1	y) a warning that surface temperatures can increase when exposed to external sources of heat (e.g. sunlight);		
		z) if the intended purpose of an assisting on the	-	N/T
		z) if the intended purpose of an assistive product cannot be met without a hazard due to moving parts such as squeezing a warning and interaction	1	
		product safely		N/T
		aa) a warning if driving characteristics can be adjust a still at the		
	1	Table 1 and Table 2		
_	-		-	N/T
		bb) a warning if the adjustments of scating or wheel positions can be set outside safe		
		limits		NE
		cc) if the overall width or overall length of the wheelchair when it is ready for use exceed the applicable values recommended in A. 1.1 a warning companying the second s		N/T
[		the applicable values recommended in A. 1.1, a warning concerning access to emergency escape routes		
		escape routes	-	N/T
-	-	dd) the level of resistance to ignition of materials and assemblies		
-		The second second second second section is a second s	-	N/T
			-	N/T
		limits specified in Annex M of the Technical Specification for Interoperability relating to Accessibility for Persons with Reduced Mobility (DP M TSD)		
		Accessibility for Persons with Reduced Mobility (PRM-TSI), a statement to that effect (see Annex D):	~	N/T
-	-	(see Annex D);		
		gg) information on how to find out about product safety notices and product recalls, for example by ensuring the supplier has up to dete contact information of the supplier has up to dete contact information.		
-		example by ensuring the supplier has up-to-date contact information	- 1	N/T
-				
		11) uit name and address of the menuforter	-	N/T
		jj) the name and address of the authorised representative, where the manufacturer does not have a registered place of business in the European Union	-	N/T
34	V/I	have a registered place of business in the European Union Service information	-	N/T
4	*/I	NAME A DRAFT THE PERCENT OF THE PERC		-
		The service information shall contain all the pre-sale information, user information and instructions necessary for the maintenance, adjustment and marine for		
		instructions necessary for the maintenance, adjustment and repair of the assistive product and for the replacement of parts.	_	NICE
1		and for the replacement of parts.	-	N/T
-		The service information shall contain all the pre-sale information and the user information.		MOT
		The service information shall be sufficiently detailed concerning preventive inspection, maintenance and calibration, including the frequency of such maintenance.	-	N/T
		Contraction of the second seco		N/T

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			aboratory of CBC	Rep	ort no.: (	CBC-09	91/2020		
1218	4 V/I	T					10 of 1	R	
13.4			he service information shall provide information for the safe pout	erformance of	such	l g	1	1	
10	-			27.49 B.A.B.			N/T		
		164	dditionalty, the service information shall identify the parts on w spection and maintenance shall be performed by service person	2. * T				-	
		pe	riods to be applied and details about the actual performance of	nel, including	the	-	N/T		
13.5	V/I	L	belling	such maintena	nce.				
		C	empatibility with EN 12182 and ISO 7176-15 and						
		- C	evices for disengagement of the drive system showing encourse	d and diamon		-	N/T		
		1.12	Should have a warning inst the arive susteen should be the	and dischgage					
		100	with the subcole of all the subcole of all the subcole and			-	N/T		
		101	Wilcelenairs where the intended use includes use as a cost in	motor vehicle	the			_	
		1 Po	sition of autocontent points for wheelchair fie-down and occupation	nt restraint sys	tems		N/T		
_		1.1. 11							
			wheelchairs not intended to be used as a seat in a motor vehicle	e, a warning to	that				
	- A		VVI) MAYAMMAR LIND SVIILINDI SIKINATI ITI TIR 1/ STREED O diomaotoon	ss than 15mm,	in the	- )	N/T		
							1		
		spe	battery chargers that are not on-board chargers, information an cifled in clause 9 of ISO 7176-14:1997	d connection d	letails		MAR	-	
		for	Class A wheelchairs not intended for use outdoors, a warning t	a dhaa 'oo			N/T		
			TEST DESIT TS and a starting t	o that effect		-	N/T	_	
Require	Test	T	TEST RESULTS according to ISO	7176-1		_			
ments accordin	method	1							
gto	according	3	Checked characteristics/assemblics/parameters	Test result	Opinio	m b	Commen	a di na	
clause	to clause					-	Commen		
N-EN	10.	S	atic stability of wheelchair facing up to the slope		-	-		_	
2184	-	1.00	ackwards) - factory regulations *)	13 •	Pos.	Pos.			
	8.	S	atic stability of wheelchair positioned backwards up to the		Pos.	- Ta	Tab. 1 (cLA β≥6°)		
	12.	3.0	ope - Jactory regulations *)	30*		Ta	b. 1 (cLB B	>90	
	12.	SI	atic stability of wheelchair positioned sideward up to the	A	Pos.	— Та	Tab1 (cl.C β≥15 <sup>6</sup> )		
Meas	urements w	131	nade in the wheelchair with factory regulations (photo)	15 •		_			
		0101	Tensity tension in the second second						
lequire	Test	T	TEST RESULTS according to ISO	7176-2					
ments	method				1		1	-	
ccordin g to	according		<b>Checked characteristics/assemblies/paramet</b>	ers	Test	Opini	0	4	
clause	to clause				result	on	Comm	CUL	
4.	7.1.	Sta	bility during start and stop when wheelchair drives forwards up	a des dires el sus				_	
		1 72 -	ree required to operate hand (or foot) steering mechanism		3,2" CLA 14 N	Pos.	Tab.		
_		1.00		n		Pos.	CLA (B	230)	
4.	7.2.	Sta	Dility of braking during drive forwards and backwards down the	e elana	d'an		CLB (B	26°)	
<b>4</b> . <b>4</b> .	7.2. 7.3.	Sta	bility of braking during drive forwards and backwards down the bility during turning	e slope	6° CLB	Pos.		/	
4.		Sta	bility of braking during drive forwards and backwards down the		6 <sup>0</sup> Cl.B 6 <sup>0</sup> Cl.B	Pos. Pos.	NOIL		
4. equire	7.3. Test	Sta	bility of braking during drive forwards and backwards down th bility during turning TEST RESULTS according to ISO		6 <sup>6</sup> Cl.B 6 <sup>6</sup> Cl.B		NOT		
4. equire hents cordin	7.3. Test method	Sta	bility of braking during drive forwards and backwards down th bility during turning TEST RESULTS according to ISO Checked	7176-3	6 <sup>0</sup> Cl.B 6 <sup>0</sup> Cl.B		NOT		
4. cquire hents cordin g to	7.3. Test method according	Sta	bility of braking during drive forwards and backwards down th bility during turning TEST RESULTS according to ISO Checked		6 <sup>8</sup> Cl.B 6 <sup>8</sup> Cl.B Opini	Pos.	Commen	ts	
4. equire bents	7.3. Test method according to clause	Sta	bility of braking during drive forwards and backwards down th bility during turning TEST RESULTS according to ISO Checked characteristics/assemblies/parameters	7176-3	6" Cl.B	Pos.		ts	
4. cquire hents cordin g to lause N-EN 2184	7.3. Test method according to clause 7.1, V/I	Sta	Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Checked Che	7176-3	6" Cl.B	Pos.		ts	
4. equire hents cordin g to lause N-EN 2184 2.1.e	7.3. Test method according to clause 7.1, V/I Measur.	Sta	Effectiveness of parking brake of wheelchair positioned forwards down the slope	7176-3 st result	6ª CI.B Opini	Pos.		ts	
4. equire hents cordin g to lause N-EN 2184 2.1.e	7.3. Test method according to clause 7.1, V/I Measur. PN-EN 12184	Sta	Diffy of braking during drive forwards and backwards down the bility during turning         TEST RESULTS according to ISO         Checked         Checked         Checked         Checked         Test Results according to ISO         Checked         Test Results according to ISO         Checked         Te         Effectiveness of parking brake of wheelchair positioned forwards down the slope         25	7176-3 st result Conf. ,0° (CL B)	6" Cl.B	Pos.		ts	
4. equire hents cordin g to lause N-EN 2184 2.1.e	7.3. Test method according to clause 7.1, V/I Measur. PN-EN 12184 19.2,22	Sta	Diffy of braking during drive forwards and backwards down the bility during turning         TEST RESULTS according to ISO         Checked         Checked         Checked         Checked         Test Results according to ISO         Checked         Test Results according to ISO         Checked         Te         Effectiveness of parking brake of wheelchair positioned forwards down the slope         25	7176-3 st result Conf.	6ª CI.B Opini	Pos.	Commen $\geq 6^{\circ}$ (Cl. A		
4. cquire hents cordin g to lause N-EN 2184 L2.1.e ab. 1	7.3. Test method according to clause 7.1, V/I Measur. PN-EN 12184 19.2,2,2 Tab. 1	Sta	Diffy of braking during drive forwards and backwards down the bility during turning         TEST RESULTS according to ISO         Checked	7176-3 st result Conf. ,0° (CL B)	6ª CI.B Opini	Pos.	Comment $\geq 6^{\circ}$ (Cl. A $\geq 9^{\circ}$ (Cl. B	)	
4. cquire hents cordin g to lause N-EN 2184 2.1.e ab. I	7.3. Test method according to clause 7.1, V/I Measur. PN-EN 12184 10.2,2.2 Tab. 1 7.1, V/I	Sta	Diffy of braking during drive forwards and backwards down the bility during turning         TEST RESULTS according to ISO         Checked         Checked         Checked         Te         Effectiveness of parking brake of wheelchair positioned forwards down the slope         25, wheelchair         Effectiveness of parking brake of wheelchair         Effectiveness of parking brake of wheelchair	7176-3 st result Conf. ,0° (CL B)	6ª CI.B Opini	Pos.	Commen $\geq 6^{\circ} (Cl. A)$ $\geq 9^{\circ} (Cl. B)$ $\geq 15^{\circ} (Cl. Cl. Cl. Cl. Cl. Cl. Cl. Cl. Cl. Cl. $	)	
4. equire hents cordin g to lause N-EN 2184 2.1.e ab. 1 V-EN 2184 2.1.e	7.3. Test method according to clause 7.1, V/I Measur. TN-EN 12184 1@.2,2,2 Tab. 1 7.1, V/I Measur.	Sta	Diffy of braking during drive forwards and backwards down the bility during turning         TEST RESULTS according to ISO         Checked         Checked         Checked         Checked         Checked         Checked         Checked         Checked         Checked         Te         Effectiveness of parking brake of wheelchair         positioned forwards down the slope         Effectiveness of parking brake of wheelchair         positioned backwards down the slope	7176-3 st result Conf. ,0° (CL B) sel rotate	6ª CI.B Opini Pos.	Pos.	Comment $\geq 6^{\circ} (Cl. A)$ $\geq 9^{\circ} (Cl. B)$ $\geq 15^{\circ} (Cl (Cl. Cl. B))$ $Tab. 1$	リリン	
4. equire hents cordin g to lause N-EN 2184 2.1.e ab. I V-EN 2184 2.1.e	7.3. Test method according to clause 7.1, V/I Measur. PN-EN 12184 10.2,22 Tab. 1 7.1, V/I Measur. PN-EN 12184	Sta	Diffy of braking during drive forwards and backwards down the bility during turning         TEST RESULTS according to ISO         Checked         Checked         Checked         Checked         Checked         Checked         Checked         Checked         Checked         Te         Effectiveness of parking brake of wheelchair         positioned forwards down the slope         Effectiveness of parking brake of wheelchair         positioned backwards down the slope         8,3	7176-3 st result Conf. 0° (CL B) cel rotate Conf. ° (CL A)	6ª CI.B Opini	Pos.	Commen $\geq 6^{\circ} (Cl. A)$ $\geq 9^{\circ} (Cl. B)$ $\geq 15^{\circ} (Cl. Cl. Cl. Cl. Cl. Cl. Cl. Cl. Cl. Cl. $	リリン	
4. equire hents cordin g to lause N-EN 2184 2.1.e ab. 1 V-EN 2184 2.1.e	7.3. Test method according to clause 7.1, V/I Measur. PN-EN 12184 10.2,22 Tab. 1 7.1, V/I Measur. PN-EN 12184	Sta	Diffy of braking during drive forwards and backwards down the bility during turning         TEST RESULTS according to ISO         Checked         Checked         Checked         Checked         Checked         Checked         Checked         Checked         Checked         Te         Effectiveness of parking brake of wheelchair         positioned forwards down the slope         Effectiveness of parking brake of wheelchair         positioned backwards down the slope         8,3	7176-3 st result Conf. ,0° (CL B) sel rotate	6ª CI.B Opini Pos.	Pos.	Comment $\geq 6^{\circ} (Cl. A)$ $\geq 9^{\circ} (Cl. B)$ $\geq 15^{\circ} (Cl (Cl. Cl. B))$ $Tab. 1$	リリン	
4. equire hents cordin g to lause N-EN 2184 L2.1.e ab. 1	7.3. Test method according to clause 7.1, V/I Measur. PN-EN 12184 10.2,22 Tab. 1 7.1, V/I Measur. PN-EN 12184	Sta	Drinky of braking during drive forwards and backwards down the bility during turning         TEST RESULTS according to ISO         Checked	7176-3 st result Conf. 0° (CL B) cel rotate Conf. ° (CL A)	6ª CI.B Opini Pos.	Pos.	Comment $\geq 6^{\circ} (Cl. A)$ $\geq 9^{\circ} (Cl. B)$ $\geq 15^{\circ} (Cl (Cl. Cl. B))$ $Tab. 1$	リリン	
4. cquire bents cordin g to lause N-EN 2184 12.1.e ab. 1 V-EN 2184 2.1.e ab. 1	7.3. Test method according to clause 7.1, V/I Measur. PN-EN 12184 10.2,22 Tab. 1 7.1, V/I Measur. PN-EN 12184	Sta	Diffy of braking during drive forwards and backwards down the bility during turning         TEST RESULTS according to ISO         Checked	7176-3 st result Conf. 0° (CL B) cel rotate Conf. ° (CL A) ir slides down	6ª CI.B Opini Pos.	Pos.	Comment $\geq 6^{\circ} (Cl. A)$ $\geq 9^{\circ} (Cl. B)$ $\geq 15^{\circ} (Cl (Cl. Cl. B))$ $Tab. 1$	リリン	
4. equire hents cordin g to lause N-EN 2184 2.1.e ab. I V-EN 2184 2.1.e ab. I I I I I I I I I I I I I I	7.3. Test method according to clause 7.1, V/I Measur. PN-EN 12184 19.2,22 Tab. 1 7.1, V/I Measur. PN-EN 12184 19.2,22 Tab. 1 PN-EN 12184 19.2,22 Tab. 1	Sta	Diffy of braking during drive forwards and backwards down the bility during turning         TEST RESULTS according to ISO         Checked	7176-3 st result Conf. 0° (CL B) cel rotate Conf. ° (CL A)	6ª CI.B Opini Pos.	Pos.	Comment $\geq 6^{\circ} (Cl. A)$ $\geq 9^{\circ} (Cl. B)$ $\geq 15^{\circ} (Cl (Cl. Cl. B))$ $Tab. 1$	リリン	
4. cquire heats cordin g to lause N-EN 2184 2.1.e ab. 1 N-EN 184 2.1.e ib. 1 184 1.1.4 ib. 1 N	7.3. Test method according to clause 7.1, V/I Measur. PN-EN 12184 19.2,22 Tab. 1 7.1, V/I Measur. PN-EN 12184 19.2,22 Tab. 1 PN-EN 12184 19.2,22 Tab. 1 PN-EN 12184 19.2,22 Tab. 1 PN-EN 12184 10.2,22 Tab. 1 PN-EN	Parking brake	Diffy of braking during drive forwards and backwards down the bility during turning         TEST RESULTS according to ISO         Checked	7176-3 st result Conf. 0° (CL B) cel rotate Conf. ° (CL A) ir slides down	6ª CI.B Opini Pos. Pos.	Pos.	Comment $\geq 6^{\circ} (Cl. A)$ $\geq 9^{\circ} (Cl. B)$ $\geq 15^{\circ} (Cl (Cl. Cl. B))$ $Tab. 1$	リリン	



		Janoi an	ory of CBC		Report no			
Require	Test	T				Page	: 11 of 1	8
ments accordin g to clause	method according to clause	Che	cked characteristics/assemblie	s/parameters	Test result	Opínio n	Com	nents
7 <b>.2.1.a</b>	V/I Measur.	9	Braking distance during drive with n	naximum speed	2.2.	Pos.		
7.2.1.b	V/I	Service brake	forwards on horizontal plane Braking distance during drive backy	(Vmax=15km/h) wards on horizontal	3,3 m			
7.2.1.c	Measur. V/I	Tvice	plane () Braking distance of wheelchair dur	max=3.3km/h)	0,45 m	N/A		
7.2.2.	Measur.		on slope of 5°		4,0 m	N/A		
	V/I Measur.	long brak	e of braking system to increased tem ing during drive forwards on horizonta	al plane	Conf.	Pos.		
.2.3.a	V/I Measur.	Automati brake	c Braking distance of wheelchair maximum speed forwards on ho	during drive with		N/T	_	
.2.3.b	V/I		Braking distance of wheelchair	during drive with		141		
	Measur.		maximum speed forwards on slo	ope of 5°	-	N/T		
lequire	_		TEST RESULTS acc	ording to ISO 71	76-4			-
g to	Test method according to clause		ked characteristics/assemblies		Test result	Opinion	Comm	ents
N-EN 12184 Tabl 2					41,1 km cl. C	Pos.		
OTE: Rai	nge <b>wheelchai</b>	ir was tested i	in road conditions. The average range of 5 atten TEST RESULTS acco	ording to ISO 71				
Test method ccordin;	cha		TEST RESULTS acco	rding to ISO 71 Test result wheelchair	76-5 Wheelchair +		ric drive	inion
Test method ccording o clause	cha	racterist	TEST RESULTS acco Checked tics/assemblies/parameters	Test result wheelchair	76-5		tric drive	Opinion
Test nethod cording clause 8.2	cha Overall	racterist	TEST RESULTS acco	Test result wheelchair 778 mm	76-5 Wheelchair +	; *) Elet	ric drive	
Test nethod cording clause 8.2 8.3	cha Overall Overall	racterist length of v width	TEST RESULTS acco Checked tics/assemblies/parameters wheelchair with legrest and footrest	Test result wheelchair 778 mm 555 mm	76-5 Wheelchair - electric drive	*) Elei		N/R
Test nethod cording clause 8.2 8.3 8.4	Cha Overall Overall Height o	racterist length of v width of grips abo	TEST RESULTS acco Checked tics/assemblies/parameters wheelchair with legrest and footrest ove the ground	Test result wheelchair 778 mm 555 mm 625 mm	76-5 Wheelchair - electric drive 1295 mm	*) Elei 82: 500	5 mm	N/R N/R
Test nethod cording clause 8.2 8.3 8.4 8.5	Cha Overall Overall Height of Minimur	racterist length of y width of grips abo m length o	TEST RESULTS acco Checked tics/assemblies/parameters wheelchair with legrest and footrest ove the ground f folded wheelchair	Test result wheelchair 778 mm 555 mm 625 mm 790 mm	76-5 Wheelchair - electric drive 1295 mm 556 mm 600 mm N/A	*) Elect 82: 500	5 mm. ) mm	N/R
Test nethod cording clause 8.2 8.3 8.4 8.5 8.6	Cha Overall Overall Height o Minimu Minimu	racterist length of w width of grips abo m length o m overall y	TEST RESULTS acco Checked tics/assemblies/parameters wheelchair with legrest and footrest ove the ground f folded wheelchair width of folded wheelchair	Test result wheelchair 778 mm 555 mm 625 mm 790 mm 500 mm	76-5 Wheelchair electric drive 1295 mm 556 mm 600 mm	*) Elei 82: 500 7 43:	5 mm 9 mm VA	N/R N/R N/R N/R
Test method ccording o clause 8.2 8.3 8.4 8.5	cha Overall Overall Height c Minimur Minimur Castor w	racterist length of v width of grips abo m length o m overall v m height o vheels lift h	TEST RESULTS acco Checked tics/assemblies/parameters wheelchair with legrest and footrest ove the ground f folded wheelchair	Test result wheelchair 778 mm 555 mm 625 mm 790 mm 500 mm 410 mm	76-5 Wheelchair - clectric drive 1295 mm 556 mm 600 mm N/A N/A N/A	*) Elect 82: 500 7 43: 500 107	5 mm 9 mm VA 5 mm 9 mm 9 mm	N/R N/R N/R N/R N/R
Test method coording o clause 8.2 8.3 8.4 8.5 8.6 8.7	Cha Overall Overall Height of Minimur Minimur Minimur	racterist length of v width of grips abo m length o m overall v m height o vheels lift h	TEST RESULTS acco Checked tics/assemblies/parameters wheelchair with legrest and footrest ove the ground f folded wheelchair width of folded wheelchair f folded wheelchair	Test result wheelchair 778 mm 555 mm 625 mm 625 mm 500 mm 410 mm N/A	76-5 Wheelchair - clectric drive 1295 mm 556 mm 600 mm N/A N/A N/A N/A N/A	*) Elect 82: 500 7 43: 500 107 N	5 mm 9 mm 7/A 5 mm 9 mm 9 mm	N/R N/R N/R N/R
Test method coording o clause 8.2 8.3 8.4 8.5 8.6 8.7 8.8	<ul> <li>Cha</li> <li>Overall</li> <li>Overall</li> <li>Height of</li> <li>Minimut</li> <l< td=""><td>racterist length of y width of grips abo m length o m overall y m height o vheels lift h device</td><td>TEST RESULTS acco Checked tics/assemblies/parameters wheelchair with legrest and footrest ove the ground f folded wheelchair width of folded wheelchair f folded wheelchair neight in the wheelchair with anti-</td><td>Test result wheelchair 778 mm 555 mm 625 mm 790 mm 500 mm 410 mm N/A 9,51 kg</td><td>76-5 Wheelchair - clectric drive 1295 mm 556 mm 600 mm N/A N/A N/A</td><td>*) Elect 82: 500 7 43: 500 107 N 21,</td><td>5 mm 0 mm V/A 5 mm 0 mm 0 mm V/A 8 kg</td><td>N/R N/R N/R N/R N/R</td></l<></ul>	racterist length of y width of grips abo m length o m overall y m height o vheels lift h device	TEST RESULTS acco Checked tics/assemblies/parameters wheelchair with legrest and footrest ove the ground f folded wheelchair width of folded wheelchair f folded wheelchair neight in the wheelchair with anti-	Test result wheelchair 778 mm 555 mm 625 mm 790 mm 500 mm 410 mm N/A 9,51 kg	76-5 Wheelchair - clectric drive 1295 mm 556 mm 600 mm N/A N/A N/A	*) Elect 82: 500 7 43: 500 107 N 21,	5 mm 0 mm V/A 5 mm 0 mm 0 mm V/A 8 kg	N/R N/R N/R N/R N/R
Test method cording clause 8.2 8.3 8.4 8.5 8.6 8.7 8.8 8.9	Castor w Mass of Pivot win	racterist length of y width of grips abo m length o m height o yheels lift h device the heavies dth (fig. 9)	TEST RESULTS acco Checked tics/assemblies/parameters wheelchair with legrest and footrest ove the ground f folded wheelchair width of folded wheelchair f folded wheelchair neight in the wheelchair with anti- st parts	Test result wheelchair 778 mm 555 mm 625 mm 790 mm 500 mm 410 mm N/A 9,51 kg 7,02 kg	76-5 Wheelchair - clectric drive 1295 mm 556 mm 600 mm N/A N/A N/A N/A 31,31 kg	*) Elect 82: 500 7 43: 500 107 N 21,	5 mm 9 mm 7/A 5 mm 9 mm 9 mm	N/R N/R N/R N/R N/R N/R N/R
Test nethod cording clause 8.2 8.3 8.4 8.5 8.6 8.7 8.8 8.7 8.8 8.9 8.10 8.11 8.12	Castor w Mass of Pivot win	racterist length of y width of grips abo m length o m height o yheels lift h device the heavies dth (fig. 9)	TEST RESULTS acco Checked tics/assemblies/parameters wheelchair with legrest and footrest ove the ground f folded wheelchair width of folded wheelchair f folded wheelchair neight in the wheelchair with anti- st parts	Test result wheelchair 778 mm 555 mm 625 mm 625 mm 500 mm 500 mm 410 mm N/A 9,51 kg 7,02 kg 877 mm	76-5 Wheelchair + electric drive 1295 mm 556 mm 600 mm N/A N/A N/A N/A 31,31 kg - 1323 mm	*) Elect 82: 500 107 N 21: 21:	5 mm 0 mm V/A 5 mm 0 mm 0 mm V/A 8 kg	N/R N/R N/R N/R N/R N/R N/R
Test method cording clause 8.2 8.3 8.4 8.5 8.6 8.7 8.6 8.7 8.8 8.9 8.9 8.10	Castor w Minimum Minimum Minimum Minimum Castor w overturn Mass Mass of Pivot wite Width of	racterist length of v width of grips abo m length o m overall v m height o vheels lift h device the heavier dth (fig. 9) f U-turn lin	TEST RESULTS acco Checked tics/assemblies/parameters wheelchair with legrest and footrest ove the ground f folded wheelchair width of folded wheelchair f folded wheelchair f folded wheelchair neight in the wheelchair with anti- st parts	Test result wheelchair 778 mm 555 mm 625 mm 790 mm 500 mm 410 mm N/A 9,51 kg 7,02 kg 877 mm 950 mm	76-5 Wheelchair - electric drive 1295 mm 556 mm 600 mm N/A N/A N/A N/A N/A 31,31 kg - 1323 mm 1400 mm	*) Elect 82: 500 107 N 21: -	5 mm 9 mm V/A 5 mm 9 mm 9 mm 9 mm 9 mm 1/A 8 kg 8 kg	N/R N/R N/R N/R N/R N/R N/R
Test nethod cording clause 8.2 8.3 8.4 8.5 8.6 8.7 8.6 8.7 8.8 8.9 8.10 8.11 8.12 8.13	<ul> <li>Cha</li> <li>Overall</li> <li>Overall</li> <li>Overall</li> <li>Height of</li> <li>Minimum</li> <l< td=""><td>racterist length of v width of grips abo m length o m overall v m height o vheels lift h device the heavies dth (fig. 9) f U-turn lin r of the rot clearance (</td><td>TEST RESULTS acco Checked tics/assemblies/parameters wheelchair with legrest and footrest ove the ground f folded wheelchair width of folded wheelchair f folded wheelchair f folded wheelchair neight in the wheelchair with anti- st parts nited by spacing of walls ation (fig. C3) (fig. 5)</td><td>Test result wheelchair 778 mm 555 mm 625 mm 500 mm 500 mm 410 mm N/A 9,51 kg 7,02 kg 877 mm 950 mm 1020 mm</td><td>76-5 Wheelchair - electric drive 1295 mm 556 mm 600 mm N/A N/A N/A N/A N/A 31,31 kg - 1323 mm 1400 mm 2000 mm</td><td>*) Elect 82: 500 7 43: 500 107 N 21: 21: -</td><td>5 mm 9 mm 1/A 5 mm 9 mm 9 mm 9 mm 9 mm 1/A 8 kg 8 kg -</td><td>N/R N/R N/R N/R N/R N/R N/R N/R N/R N/R</td></l<></ul>	racterist length of v width of grips abo m length o m overall v m height o vheels lift h device the heavies dth (fig. 9) f U-turn lin r of the rot clearance (	TEST RESULTS acco Checked tics/assemblies/parameters wheelchair with legrest and footrest ove the ground f folded wheelchair width of folded wheelchair f folded wheelchair f folded wheelchair neight in the wheelchair with anti- st parts nited by spacing of walls ation (fig. C3) (fig. 5)	Test result wheelchair 778 mm 555 mm 625 mm 500 mm 500 mm 410 mm N/A 9,51 kg 7,02 kg 877 mm 950 mm 1020 mm	76-5 Wheelchair - electric drive 1295 mm 556 mm 600 mm N/A N/A N/A N/A N/A 31,31 kg - 1323 mm 1400 mm 2000 mm	*) Elect 82: 500 7 43: 500 107 N 21: 21: -	5 mm 9 mm 1/A 5 mm 9 mm 9 mm 9 mm 9 mm 1/A 8 kg 8 kg -	N/R N/R N/R N/R N/R N/R N/R N/R N/R N/R
Test nethod cording clause 8.2 8.3 8.4 8.5 8.6 8.7 8.8 8.7 8.8 8.7 8.8 8.9 8.10 8.11 8.12 8.13 8.14	Cha     Overall     Overall     Overall     Height c     Minimum     Minimum     Minimum     Castor w     overturn     Mass     Mass of     Pivot wid     Width of     Diameter     Ground c     Required	racterist length of y width of grips abo m length o m overall y m height o vheels lift h device the heavier dth (fig. 9) f U-turn lin r of the rot clearance (	TEST RESULTS acco Checked tics/assemblies/parameters wheelchair with legrest and footrest ove the ground f folded wheelchair width of folded wheelchair f folded wheelchair f folded wheelchair neight in the wheelchair with anti- st parts nited by spacing of walls ation (fig. C3) (fig. 5) mgled corridor (fig. 15)	Test result wheelchair 778 mm 555 mm 625 mm 625 mm 500 mm 500 mm 410 mm N/A 9,51 kg 7,02 kg 877 mm 950 mm 1020 mm	76-5 Wheelchair - electric drive 1295 mm 556 mm 600 mm N/A N/A N/A N/A 31,31 kg - 1323 mm 1400 mm 2000 mm 35 mm	*) Elect 82: 500 143: 500 107 N 21: 21: -	5 mm 9 mm 7/A 5 mm 9 mm 9 mm 9 mm 9 mm 1/A 8 kg 8 kg -	N/R N/R N/R N/R N/R N/R N/R N/R N/R
Test nethod cording clause 8.2 8.3 8.4 8.5 8.6 8.7 8.8 8.7 8.8 8.9 8.10 8.11 8.12 8.13 8.14 8.15 8.16	Cha     Overall     Overall     Overall     Height c     Minimum     Minimum     Minimum     Castor w     overturn     Mass     Mass of     Pivot win     Width of     Diameter     Ground c     Required     Required	racterist length of y width of grips abo m length o m overall y m height o wheels lift h device the heavies dth (fig. 9) f U-turn lim r of the rot clearance ( width of a l doorway of	TEST RESULTS acco Checked tics/assemblies/parameters wheelchair with legrest and footrest ove the ground f folded wheelchair width of folded wheelchair f folded wheelchair height in the wheelchair with anti- st parts nited by spacing of walls ation (fig. C3) (fig. 5) mgled corridor (fig. 15) entry depth (fig. 14)	Test result wheelchair 778 mm 555 mm 625 mm 625 mm 500 mm 500 mm 410 mm N/A 9,51 kg 7,02 kg 877 mm 950 mm 1020 mm 200 mm	76-5 Wheelchair - clectric drive 1295 mm 556 mm 600 mm N/A N/A N/A N/A 31,31 kg - 1323 mm 1400 mm 2000 mm 35 mm 850 mm	*) Elect 82: 500 107 N 21, 21, -	5 mm 9 mm 7/A 5 mm 9	N/R N/R N/R N/R N/R N/R N/R N/R N/R N/R
Test method cording clause 8.2 8.3 8.4 8.5 8.6 8.7 8.8 8.9 8.10 8.11 8.12 8.13 8.14 8.15 8.16 8.17	Cha     Overall     Overall     Overall     Height c     Minimum     Minimum     Minimum     Minimum     Castor w     overturn     Mass     Mass of     Pivot win     Width of     Diameter     Ground c     Required     Required	racterist length of y width of grips abo m length o m overall y m height o vheels lift h device the heavies dth (fig. 9) f U-turn lim r of the rot clearance ( width of a loorway of corridor y	TEST RESULTS acco Checked tics/assemblies/parameters wheelchair with legrest and footrest ove the ground f folded wheelchair width of folded wheelchair f folded wheelchair neight in the wheelchair with anti- st parts nited by spacing of walls ation (fig. C3) (fig. 5) mgled corridor (fig. 15) entry depth (fig. 14) width for side opening (fig. 12)	Trest result         Test result         wheelchair         778 mm         555 mm         625 mm         790 mm         500 mm         410 mm         N/A         9,51 kg         7,02 kg         877 mm         950 mm         1020 mm         200 mm         700 mm         820 mm	76-5 Wheelchair - clectric drive 1295 mm 556 mm 600 mm N/A N/A N/A N/A 31,31 kg - 1323 mm 1400 mm 2000 mm 35 mm 35 mm 1295 mm	*) Elect	5 mm 9 mm V/A 5 mm 9 mm 9 mm 9 mm 9 mm 1/A 8 kg 8 kg 	N/R N/R N/R N/R N/R N/R N/R N/R N/R N/R
Test method cording clause 8.2 8.3 8.4 8.5 8.6 8.7 8.8 8.9 8.10 8.11 8.12 8.13 8.14 8.15 8.16 8.17 ording	Cha     Overall     Overall     Overall     Height c     Minimum     Minimum     Minimum     Minimum     Castor w     overturn     Mass     Mass of     Pivot wid     Width of     Diameter     Ground c     Required     Required     Required     Required	racterist length of y width of grips abo m length o m overall y m height o vheels lift h device the heavies dth (fig. 9) f U-turn lim r of the roth clearance ( width of a loorway of corridor y 2/83 Amer.	TEST RESULTS acco Checked tics/assemblies/parameters wheelchair with legrest and footrest ove the ground f folded wheelchair width of folded wheelchair f folded wheelchair f folded wheelchair neight in the wheelchair with anti- st parts nited by spacing of walls ation (fig. C3) (fig. 5) mgled corridor (fig. 15)	Trest result         Test result         wheelchair         778 mm         555 mm         625 mm         790 mm         500 mm         410 mm         N/A         9,51 kg         7,02 kg         877 mm         950 mm         1020 mm         200 mm         700 mm         820 mm	76-5 Wheelchair - clectric drive 1295 mm 556 mm 600 mm N/A N/A N/A N/A 31,31 kg - 1323 mm 1400 mm 2000 mm 35 mm 35 mm 1295 mm	*) Elect	5 mm 9 mm V/A 5 mm 9 mm 9 mm 9 mm 9 mm 1/A 8 kg 8 kg 	N/R N/R N/R N/R N/R N/R N/R N/R N/R N/R

Test method according to clause	Checked characteristics/assemblies/parameters	Test result	Opinion	Comments
7.1.	Maximum speed during drive forwards	-		
7.2.	Maximum speed during drive backwards	15,0km/h	Pos.	
8.1.	Maximum acceleration	3,3 km/h	Pos.	
	Maximum deceleration	0,52 m/s <sup>2</sup>	N/R	
Creat,	Waxminin deceleration	2,6 m/s2	Pos.	

CBC

		Laboratory of CBC	IN	chart no	.: CBC-09	12 of 18
		TEST RESULTS according to Pl	N-ISO 7176	_7	rage:	14 0 18
	method	Checked	150 /1/0		-1	
	rding to lause	characteristics/assemblies/parameters	Test result		Opínion	Comment
	.3.2.	Angle of seat plane				
	.3.3.	Effective depth of seat			N/T	
_	.3.4.	Width of seat			N/T	
7	.3.5.	Effective width of seat			N/T	
7	.3.6.	Height of front edge of seat plane			N/T	
7.	.3.7.	Angle of backrest			N/T	
7.	.3.8.	Height of backrest			N/T N/T	
_	.3.9.	Width of backrest			N/T	
	7.3.10. Moving forward of headrest				N/T	
_	7.3.11. Height of headrest over the seat				NT	
	7.3.12. Distance of footrest from seat				N/T	
	7.3.13. Clearance of footrest				N/T	
	7.3.14. Length of footrest				NT	
	7.3.15. Angle of footrest 7.3.16. Angle of legrest				N/T	
_		Angle of legrest	-		N/T	
_	<b>5.17.</b> <b>5.18.</b>	Height of armrests	-		N/T	
_	5.18. 5.19.	Moving forward of armrests			N/T	
_		Length of armrests Width of armrests			N/T	
_		Angle of armrests			N/T	
_		Distance between armrests	-		N/T	
_		Position of the front of armrests			N/T	
_		Diameter of drive wheel			N/T	
_					N/T	
_					N/T	
7.3	.26.	Displacement of wheel axis horizontally	-		N/T	
7.3 7.3 7.3 0TE 1 0TE 2	.26. .27. .28. : Measurer : Measurer	Displacement of wheel axis horizontally Displacement of wheel axis vertically Diameter of castor/front wheel nents were made in the wheelchair with factory regulations (photo), (re- nents were made burdening the wheelchair with dummy RLG - refers to	o PN-ISO 7176-	5, PN-ISO 7	N/T N/T	
7.3 7.3 7.3 0TE 1	26. 27. 28. : Measuren : Measuren : Measuren : Test method according	Displacement of wheel axis horizontally Displacement of wheel axis vertically Diameter of castor/front wheel ments were made in the wheelchair with factory regulations (photo), (re- ments were made burdening the wheelchair with dummy RLG – refers to TEST RESULTS according to Is Checked characteristics/assemblies/parameter	De PN-ISO 7176- SO 7176-8 Test	5, PN-ISO 7 Opinion	N/T N/T N/T 7176-7)	omments
7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3	26. 27. 28. : Measurer : Measurer Test method according to clause	Displacement of wheel axis horizontally Displacement of wheel axis vertically Diameter of castor/front wheel nents were made in the wheelchair with factory regulations (photo), (reg nents were made burdening the wheelchair with dummy RLG – refers to TEST RESULTS according to Is Checked characteristics/assemblies/parameter	o PN-1SO 7176- SO 7176-8	7	N/T N/T N/T 7176-7)	omments
7.3 7.3 7.3 7.3 7.2 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3	26. 27. 28. : Measurer : Measurer Test method according to clause 8.4.	Displacement of wheel axis horizontally Displacement of wheel axis vertically Diameter of castor/front wheel nents were made in the wheelchair with factory regulations (photo), (re- nents were made burdening the wheelchair with dummy RLG – refers to TEST RESULTS according to I Checked characteristics/assemblies/parameter Armrest – resistance to forces acting downwards	De PN-ISO 7176- SO 7176-8 Test	7 Opinion N/T	N/T N/T N/T 7176-7)	omments
7.3 7.3 7.3 7.3 7.3 7.2 7 7 2 7 2 7 2 7 2 7 2 7 2 7 2 7 3 7 2 7 3 7 3	26. 27. 28. : Measurer : Measurer : Measurer Test method according to clause 8.4. 8.5.	Displacement of wheel axis horizontally Displacement of wheel axis vertically Displacement of wheel axis vertically Diameter of castor/front wheel ments were made in the wheelchair with factory regulations (photo), (rements were made burdening the wheelchair with dummy RLG – refers to TEST RESULTS according to Is Checked characteristics/assemblies/parameter Armrest – resistance to forces acting downwards Footrests – resistance to forces acting upwards	rs Test	7 Opinion N/T N/T	N/T N/T N/T 7176-7)	)mments
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CENTRE FOR TESTING AND CERTIFICATION - MECH-TEST; 05-077 Warszawa - Wesola, ul. Kionowa 22 Mechanical Laboratory, tel.: +48 603 23-26-45; e-mail: cbc.mech.test@gmail.com, www.cbc.org.pl

CBC

TATCA		1.4.00	ratory of CBC	Rep	ort no.:		091/2020	
Require	Test	1		1		Page	e: 13 of 18	
ments accordin g to clause	n method accordin to claus	g	Checked characteristics/assemblies/parameters	Test result	Opinion		Comments	
4.	10.4.	Drop	testing	Conf.	Pos.	drops of wheelcha with full loading		
4. UWAG	10.5. A: Dlap. 9.	Fatig	ue test of manually operated parking brakes	Conf.	Pos.		from height of 50 60 000 cycles	
			TEST RESULTS according to ISO 7	76 -9				
Require ments accordin g to clause	Test n	ing to	Checked	st result	Opinio		Comments	
8	7.	3	Water resistance		_	-		
			TEST RESULTS according to ISO 7176 -10	Conf. (NO)	Pos.	-		
Require ments accordin g to clause	Test met accordin claus	gto	Checked characteristics/assemblies/paramet		Te		pi on Comment	
PN-EN 12284:20 14					Conf.	cLA P	<i>05.</i>	
Tab. 2	7.2.	Di (đ	riving forward from a distance of 500mm from the obstac rive onto an obstacle)	le	Conf.	cLA Pe	75.	
		7.3. Driving backwards when the wheels contact an obstacle. (drive onto an obstacle)					<b>7</b> <b>5.</b> Tab. 1 (cl.A h≥15mi	
	7.4,	(a	tiving backwards from a distance of 500mm from the	Conf.	cLA Po	(cl.B h≥50m		
	7.5.	(đ	ding off an obstacle while driving forward ownhill from an obstacle)	Conf.	cLA Po	8.		
	7.6.	Dr	iving backwards from an obstacle (downhill from an obs	acle).	Conf.	cLA Po	<b>S.</b>	
Requiren	L Test :	nethod	TEST RESULTS according to PN-ISO 7	176 14			11	
ents according to clause	accorr	ding to use	Checked characteristics/assemblies/parameter		COUL	)p <del>ini</del> on	Comments	
NOTE. 1	esting con	icerns e	lectrically propeller wheelchairs - performed by Electrotechni	al Labor	dory			
Require	The d		<b>TEST RESULTS according to PN-ISO 7</b>	76 –15				
ments accordin g to clause	Test method according to clause		Checked characteristics/assemblics/parameter	8	Test resul		Comments	
.3			nt of service manual		-			
.3.a .3.b	V/I V/I		oncerning guarantee		- 1	N/T		
	•/4		al characteristics:		_			
		<ul> <li>description of wheelchair with photos or drawings and description of utilization</li> <li>description of user with maximum mass stated</li> </ul>		_	N/T			
		- descri	ption of environment of intended utilization	12	N/T N/T			
.3.c	V/I	- value	of recommended pressure in pneumatic tyres		-	N/T		
	1/1	- list of	wheelchair is sold in elements for individual assembly components					
	1	- inform	nation on tools necessary to fold wheelchair			N/T		
	[	- instruc	tion of bringing lacking or damaged parts		N/T N/T			
		- assembly, installation and disassembly instruction of parts delivered by						
		manura	Starter.		-	N/T		
		Service	tions for preparing wheelchair to storage, transport manual of wheelchair		-	N/T		
3.d	V/I			T - 1	N/T			
3.d	V/I	- use of	- use of wheelchair on surfaces where user moves - get on and get off wheelchair					
3.d	V/I	- get on	and get off wheelchair		- 1	INT I		
3.d	V/I	- get on - illustra	and get off wheelchair tions explaining these instructions		-	N/T N/T		
3.d	V/I	- get on - illustra	and get off wheelchair					
3.d	V/I	- get on - illustra	and get off wheelchair tions explaining these instructions		-	N/T		

		aboratory of CBC Report				
Require	Test		1	Pag	e: 14	of 18
ments accordin g to clause	method according to clause	Checked characteristics/assemblies/parameters	Test resul t	Op io		Comments
7.3.e	V/I	Maintenance instruction		-	_	
		<ul> <li>Details of maintenance:         <ul> <li>service, maintenance/detection of damages, for which user is responsible</li> <li>tools necessary for repair and service of wheelchair</li> <li>maintenance frequency</li> <li>list of parts (with numbers) and way of is purchase</li> <li>conditions when manufacturer, supplier takes action</li> </ul> </li> </ul>		N/ N/ N/ N/	T T T	
		Ways of cleaning		N/	_	
	-	<ul> <li>Elements intended to easy replacement;</li> </ul>	-	N/.	T	
		<ul> <li>information on orders</li> <li>instruction of disassembly</li> <li>information on replacement and testing of parts</li> <li>illustration of parts and their placement</li> </ul>		N/1 N/1 N/1 N/1	T T	
		Ways of performance dangerous activities	-	N/I		
7.3.f	V/I	Performing of parameters control	-	N/I		
accordin g to a	Test method according to clause	Checked characteristics/assemblies/parameters	T	est	Opi nion	Comment
7.3.g		Repair of wheelchair			-	
		- Identification of parts to be repaired by user	1 -	. 1	N/T	
		- Identification of parts operated by manufacturer or service to maintain guarantee		-+	N/T	
		- Identification of parts removable and sent to manufacturer/service	-		N/T	
		- Conditions under which manufacturer/service is obliged to perform repair	-		N/T	
		- List of authorized service workshops	-		N/T	
		- Information if spare parts can be purchased	-		N/T	
		- Way of package and transport, if necessary		-+		
		the second secon		• I.	NT	
	Test	Checked characteristics/assemblies/parameters	Te	st	N/T Opin ion	Comment
Requirements according to clause	n Test method accordin	Checked characteristics/assemblies/parameters	Te	st	Opin	Comment
ts according to clause	n Test method accordin	Checked characteristics/assemblies/parameters	Teres	st uit	Opin ion	Comment
ts according to clause Annex A Annex A	accordin to claus	Checked characteristics/assemblies/parameters Content of specification sheets of manufacturer	Terest	st uit	Opin ion N/T	Comment
ts according to clause Annex A Annex A	Test method accordin to claus V/I	Checked characteristics/assemblies/parameters Content of specification sheets of manufacturer Manufacturer Address Model		st uit	Opin ion N/T N/T	Comment
Annex A Annex A Annex A Annex A Annex A	Test method accordin to claus V/I V/I V/I V/I	Checked characteristics/assemblies/parameters Content of specification sheets of manufacturer Manufacturer Address Model Maximum mass of user	Te rest	st uit	Opin ion N/T N/T N/T	Commen
to clause Annex A Annex A Annex A Annex A Annex A	Test method accordin to claus V/I V/I V/I V/I V/I V/I	Checked characteristics/assemblies/parameters Content of specification sheets of manufacturer Manufacturer Address Model Maximum mass of user Overall length with legrest	Te resu	st uit	Opin ion N/T N/T N/T N/T	Commen
to clause Annex A Annex A Annex A Annex A Annex A Annex A	Test method accordin to claus V/I V/I V/I V/I V/I V/I V/I V/I	Checked characteristics/assemblies/parameters Content of specification sheets of manufacturer Manufacturer Address Model Maximum mass of user		st uit	Opin ion N/T N/T N/T N/T	Commen
Annex A Annex A Annex A Annex A Annex A Annex A Annex A Annex A	Test method accordin to claus V/I V/I V/I V/I V/I V/I V/I V/I	Checked characteristics/assemblies/parameters Content of specification sheets of manufacturer Manufacturer Address Model Maximum mass of user Overall length with legrest Overall width Length after assembly		st uit	Opin Ion N/T N/T N/T N/T N/T N/T	Commen
Annex A Annex A Annex A Annex A Annex A Annex A Annex A Annex A Annex A	Test method accordin to claus V/I V/I V/I V/I V/I V/I V/I V/I V/I V/I	Checked characteristics/assemblies/parameters Content of specification sheets of manufacturer Manufacturer Address Model Maximum mass of user Overall length with legrest Overall width Length after assembly Width after assembly		st uit	Opin ion N/T N/T N/T N/T N/T N/T	Commen
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Annex A Annex A	Test           method           accordin           to claus           V/I	Image       Checked characteristics/assemblies/parameters         Content of specification sheets of manufacturer         Manufacturer         Address         Model         Maximum mass of user         Overall length with legrest         Overall width         Length after assembly         Width after assembly         Width after assembly         Total mass         Mass of the heaviest part         Static stability downhill	Te resu	st ntt	Opin ion N/T N/T N/T N/T N/T N/T N/T N/T N/T	Commen
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Annex A Annex A	Test           method           accordin           to clause           V/I	Image: Checked characteristics/assemblies/parameters         Content of specification sheets of manufacturer         Manufacturer         Address         Model         Maximum mass of user         Overall length with legrest         Overall width         Length after assembly         Width after assembly         Width after assembly         Total mass         Mass of the heaviest part         Static stability downhill         Static stability uphill         Side static stability         Energy range	Te resi	st uit	Opin ion N/T N/T N/T N/T N/T N/T N/T N/T N/T N/T	Commen
Annex A Annex A	Test method accordin to claus           V/I	Image: Checked characteristics/assemblies/parameters         Content of specification sheets of manufacturer         Manufacturer         Address         Model         Maximum mass of user         Overall length with legrest         Overall width         Length after assembly         Width after assembly         Width after assembly         Total mass         Mass of the heaviest part         Static stability downhill         Static stability uphill         Side static stability         Dynamic stability uphill	Te result	st uit	Opin ion N/T N/T N/T N/T N/T N/T N/T N/T N/T N/T	Commen
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Annex A Annex A	Test method accordin to claus           V/I	Image       Checked characteristics/assemblies/parameters         Content of specification sheets of manufacturer         Manufacturer         Address         Model         Maximum mass of user         Overall length with legrest         Overall width         Length after assembly         Width after assembly         Width after assembly         Total mass         Mass of the heaviest part         Static stability downhill         Static stability uphill         Side static stability ophill         Determination of obstacles         Maximum braking distance at maximum speed	Te result		Opin ion N/T N/T N/T N/T N/T N/T N/T N/T N/T N/T	
Annex A Annex A	Test           method           accordin           to claus           V/I	Image       Checked characteristics/assemblies/parameters         Content of specification sheets of manufacturer         Manufacturer         Address         Model         Maximum mass of user         Overall length with legrest         Overall width         Length after assembly         Width after assembly         Width after assembly         Total mass         Mass of the heaviest part         Static stability downhill         Static stability uphill         Side static stability ophill         Determination of obstacles         Maximum braking distance at maximum speed         Seat plane angle	Te result		Opin ion N/T N/T N/T N/T N/T N/T N/T N/T N/T N/T	Commen
Annex A Annex A	Test method accordin to clauss           V/I	Image: Checked characteristics/assemblies/parameters         Content of specification sheets of manufacturer         Manufacturer         Address         Model         Maximum mass of user         Overall length with legrest         Overall width         Length after assembly         Width after assembly         Width after assembly         Total mass         Mass of the heaviest part         Static stability downhill         Static stability uphill         Side static stability ophill         Determination of obstacles         Maximum speed forward         Minimum braking distance at maximum speed         Seaf plane angle         Effective depth of seat	Te result		Opin ion N/T N/T N/T N/T N/T N/T N/T N/T N/T N/T	Commen
Annex A Annex A	Test method accordin to clauss           V/I	Image: Checked characteristics/assemblies/parameters         Content of specification sheets of manufacturer         Manufacturer         Address         Model         Maximum mass of user         Overall length with legrest         Overall width         Length after assembly         Width after assembly         Width after assembly         Yidth after assembly         Total mass         Mass of the heaviest part         Static stability downhill         Static stability uphill         Side static stability ophill         Determination of obstacles         Maximum speed forward         Minimum braking distance at maximum speed         Seat plane angle         Effective width of seat	Te rest		Opin ion N/T N/T N/T N/T N/T N/T N/T N/T N/T N/T	
Annex A Annex A	Test method accordin to clauss           V/I           V/I	Image: Content of specification sheets of manufacturer         Manufacturer         Address         Model         Maximum mass of user         Overall length with legrest         Overall width         Length after assembly         Width after assembly         Width after assembly         Total mass         Mass of the heaviest part         Static stability downhill         Static stability uphill         Side static stability ophill         Determination of obstacles         Maximum breaking distance at maximum speed         Seaf plane angle         Effective depth of seat         Effective width of seat         Height of seat to front edge	Te result	st	Opin ion N/T N/T N/T N/T N/T N/T N/T N/T N/T N/T	
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ts according to clause Annex A Annex A	Test method accordin to clauss           V/I           V/I	Image: Content of specification sheets of manufacturer         Manufacturer         Address         Model         Maximum mass of user         Overall length with legrest         Overall width         Length after assembly         Width after assembly         Width after assembly         Width after assembly         Yotal mass         Mass of the heaviest part         Static stability downhill         Static stability uphill         Side static stability uphill         Determination of obstacles         Maximum speed forward         Minimum braking distance at maximum speed         Seat plane angle         Effective depth of seat         Effective depth of seat         Height of seat to front edge         Backrest angle         Height of backrest	Te result		Opin ion N/T N/T N/T N/T N/T N/T N/T N/T N/T N/T	
Annex A Annex A	Test method accordin to clauss           V/I           V/I	Image: Content of specification sheets of manufacturer         Manufacturer         Address         Model         Maximum mass of user         Overall length with legrest         Overall width         Length after assembly         Width after assembly         Width after assembly         Total mass         Mass of the heaviest part         Static stability downhill         Static stability uphill         Side static stability ophill         Determination of obstacles         Maximum braking distance at maximum speed         Seat plane angle         Effective width of seat         Height of seat to front edge         Backrest angle	Te rest		Opin ion N/T N/T N/T N/T N/T N/T N/T N/T N/T N/T	

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	hanical Laboratory of CBC Report no.: CBC-091/2020						
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to clause a	Test method ccording o clause	Checked characteristics/assemblies/parameters	Test result	Opin ton	Commen		
Annex A	V/I	Height of armrest from seat		N/T			
Annex A	V/I	Distance of front part of armrest from rear rest		N/T			
Annex A	V/I	Diameter of drive wheel		N/T			
Annex A	V/I	Position of wheel axis horizontally	-	N/T			
Annex A	V/I	Width of turning	-	N/T			
Pos. – positive; NOTE 1:	Neg-1 During stated.	egative; N/T - not tested; N/A - not applicable; N/R - not required , N/O - not occurred , V visual inspection before testing any visible defects that can have an effe	/L- visual inspe PCt On test re	ction, Co sults w	nL- conforme ere not		
<i>NOTE 2:</i> <i>NOTE 3:</i> <i>NOTE 4:</i> <i>NOTE 6:</i>	Sample Test du Environ Loaded	/object for testing was delivered to the Laboratory by the Orderer. mmy of mass 120 kg and person of required mass were used for testing. ment temperature for testing - $19^{\circ}$ C. I wheelchair (120kg) on a ramp with a slope $3^{\circ}$ , after driving a road of $10^{\circ}$	5m uphill, it	obtain	ed a speed		
NOTE 7: F	or class	A wheelchair, dynamic stability was tested on a ramp with an incline of					
19	= Lynai	nic stability in forward hill starts. Pasitive test result					
	Dynan	nic stability when braking forward when going uphill. Positive test resu	lt.				
	= Dynai	nic stability when braking forward when driving downhill Dovitive test	manuelt				
	Dynan	nic stability when braking backwards when driving downhill Positive to	ant manualt				
NULLO: P	or class	nic stability when turning when driving on a ramp $3^{\circ}$ . Positive test result B wheelchair, the ability to negotiate obstacles with a height of 50mm $5-10$	<b>it.</b> was tested.	(accord	ling to		
	cl. 7.1 Negat	. Driving forward when the wheels contact an obstacle (drive onto an o tive test result.					
	rosus	Driving forward from a distance of 500mm from the obstacle (drive or ve test result.			nm).		
	IVERUS	Driving backwards when the wheels contact an obstacle. (drive onto a ve test result.					
	regau	Driving backwards from a distance of 500mm from the obstacle (drive ve test result.		tacle 5	0mm).		
	<b>FOSULV</b>	Riding off an obstacle while driving forward (downhill from an obstacle test result.					
	Poster	Driving backwards from an obstacle (downhill from an obstacle 50mm, e test result.	).				
	he tests or class	were repeated for a class A wheelchair.					
	0/1/0				ling to		
	2 034490	Driving forward when the wheels contact an obstacle (drive onto an ob test result.					
	E OZHLYE	Driving forward from a distance of 500mm from the obstacle (drive ont test result.			m).		
	rosuve	Driving backwards when the wheels contact an obstacle (drive onto an etest result.					
	UL 1.4 .	During hashes to General The second			_		
•	e ojhive	Driving backwards from a distance of 500mm from the obstacle (drive of the second seco		acle 15	imm).		
•	cl. 7.5 Positive	Driving backwards from a distance of 500mm from the obstacle (drive of test result. Riding off an obstacle while driving forward (downhill from an obstacle test result. Driving backwards from an obstacle (downhill from an obstacle 15mm)	: 15mm).	acle 15	mm).		

NOIE 9: The wheelchair drive is not equipped with a seat (fabric + filling).

	Final a	ssessment	
PN-EN 12182:2012	Pos.	ISO 7176-8:2014	Pos
PN-EN 12183:2014	N/A	ISO 7176-9:2009	Pos.
PN-EN 12184:2014	Pos.	ISO 7176-10:2008	Pos
ISO 7176-1:2014	Pos.	PN-ISO 7176-14:2001	N/I
ISO 7176-2:2001	Pos.	PN-ISO 7176-15: 2002	N/T
ISO 7176-3:2012	Pos.	PN-EN 1021-1:2007	N/T
ISO 7176-4:2008	Pos.	PN-ISO 7176-16:2001	N/T
ISO 7176-5:2008	Tested*	ISO 7176-16:2012	N/T
ISO 7176-6:2001	Pos.	PN-ISO 7176-19:2007	N/T
PN-ISO 7176-7:2001	NT		147 2

\*) The standard does not specify requirements towards tested parameters of product

Note: Conformity assessment of product according to standard requirements refer to the scope of mechanical tests ordered by client, excluding testing of material biocompatibility with human body according to PN-EN ISO 10993-1:2010



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### PN-EN 12184:2014 - Tab. 1 Requirements and tests for driving characteristics of type classes

Driving characteristics	Test		Test result Opinion			
		A	B	C		
Rated slope	8.1.2.2	min. 3 <sup>0</sup>	min. 6 <sup>0</sup>	min.10 <sup>0</sup>	CL A	
Dynamic stability	8.1.5.2			-	the second second	
<ul> <li>starting forwards uphill</li> </ul>		min. 3 <sup>°</sup>	min. 6 <sup>a</sup>	min.10°	CL A	
<ul> <li>stopping forwards uphill</li> </ul>		min. 3 <sup>0</sup>	min, 6 <sup>0</sup>	min.10 <sup>0</sup>	CLA	
<ul> <li>stopping forwards downhill</li> </ul>		min. 3 <sup>0</sup>	min. 6°	min.10°	CL A	
<ul> <li>stopping backwards downhill</li> </ul>		min. 3 <sup>0</sup>	min. 6°	min.10°	Cl. A	
Static stability	8.1.7.2					
- all directions		min. 6 <sup>0</sup>	min. 90	min.15 <sup>0</sup>	CL C	
Maximum operating forces						
Brake levers	10.1.2					
Freewheel lever and controls	11.5.2					
<ul> <li>single finger operation</li> </ul>		5 N	5 N	5.N		
<ul> <li>more than one finger operation</li> </ul>		13.5 N	13.5 N	13.5 N		
<ul> <li>whole hand operation</li> </ul>		60 N	60 N	60 N		
<ul> <li>combined hand and arm operation</li> </ul>		60 N	60 N	60 N		
<ul> <li>foot operation, pushing operation</li> </ul>		100 N	100 N	100 N		
<ul> <li>foot operation, pulling operation</li> </ul>		60 N	60 N	60 N		
Parking brake effectiveness	10.2.2.2	6 <sup>0</sup>	90	15°	CL A	
Maximum speed	8.1.8					
- forwards horizontal		15 km/h	15 km/h	15 km/h		
- reverse horizontal		70%V <sub>max</sub> or 5 km/h	70%V <sub>max</sub> or 5 km/h	70%V <sub>max</sub> or 5 km/h		
Obstacle climbing and descending ability	8.1.6.2	15 mm	50 mm	100 mm	CL A	
Continuose driving distance range	8.1.9.2	15 km	25 km	35 km	CL B	
Ground unevenness	8.1.3.3	10 mm	30 mm	50 mm	N/A	

# PN-EN 12184:2014 Tab. 2 (cl. 10.2.2.2) Requirements and tests for driving characteristics on the horizontal for all type classess

Driving characteristics and ree											T	'est
The maximum value of the delay lastin	g longe	r than a	a 0,03	s = 4m	/s <sup>2</sup> :	2	,4m/s <sup>2</sup>	(Pos.)		PN-	ISO 71	-
Maximum stopping distance (ot Vma	x=15,0	km/b)						Pos.)			I-ISO 7	
Speed (km/h):	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15,0
Requiredbraking distance max.(m)	0,6	0,8	1.0	1.2	1.5	1,8	2.1	2.5	2.9	3.4	3.9	4,5
The actual value of the braking distance (m)	0,50	0,65	0,85	1,10	1,30	1,55	1,80	2,15	2,50	2,80	3,20	3,60

#### NOTE:

After the measurements of braking the wheelchair PAWS CITY found that it meets the requirements of PN-EN 12184: 2014



Mechanical Laboratory of CBC

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#### MARKING VERIFICATION

Name of product:	Electric drive for a wheelchair
	PAWS CITY

**Manufacturer:** 

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REHASENSE Sp. z o.o.. ul. Sulejowska 45 G 97-300 Piotrków Trybunalski

	rement according to PN-ISO 7176-15:2002	Durable marking on wheelchair
8.1.a	Name and address of manufacturer	N/T
8.1.b	Identification of model and serial number	N/T
8.1.c	Year of production	N/T
8.1.d	Information on likely driver constraints	N/T
8.1.e	Maximum mass of user	N/T
8.2	Marking of dimension on tyres	N/T
	rement according to PN-EN 12184:2014	Durable marking on wheelchair
13.5	Compatibility with EN 12182 and ISO 7176-15	N/T
	- devices for disengagement of the drive system, showing engaged and disengaged positions, including a warning that the drive system should be re-engaged before an occupant is left unattended or attempts to operate the wheelchair	N/T
	for wheelchairs where yhe intended use includes use as a seat in a motor vehicle, the position of attachment points for wheelchair tie-down and occupant restraint systems (WTORS)	N/T
	for wheelchairs not intended to be used as a seat in a motor vehicle, a warning to that effect, including the symbol shown in fig. 7 with a diameter not less than 15mm, in the same location as the labelling required by ISO 7176-15:1996	N/T
	for battery chargers that are not on-board chargers, information and connection details specified in clause 9 of ISO 7176-14:1997	N/T
	for Class A wheelchairs not intended for use outdoors, a warning to that effect	N/T
	CE marking	N/T

- END -





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#### ANNEX 1 TO TEST REPORT No. CBC-091/2020 Identification of wheelchair elements



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ANNEX 2 TO TEST REPORT No. CBC-091/2020 identification of wheelchair elements

















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ANNEX 3 TO TEST REPORT No. CBC-091/2020 Identification of wheelchair elements









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### **CENTRE FOR TESTING AND CERTIFICATION - MECH-TEST**

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#### ANNEX 4 TO TEST REPORT No. CBC-091/2020 Identification of wheelchair elements



# E-bike li-ion battery

#### WARNING

Do not short circuit positive and negative of the battery
Do not dismantie the battery
Do not place the battery under high temperature, such as heat, sunshine, or close to fire
Do not place the battery in fluids, such as water, acid, atkaline or salt water
If stored for a long time, keep the battery cool and dry, and charge the battery for 2 hours every other 3 months

months Always charge the battery with licensed charger for lithium fort or lithium polymer battery.

ZZ991304 48V11.6Ah/556.8Wh) 1804R558827900047 2020.05.17

### WARNING!

Using/driving the e-bike over speed is 100% on your own responsibility and the manufacturer will deny/refuse any responsibility of accidents or damages to third party.



### **CENTRE FOR TESTING AND CERTIFICATION - MECH-TEST**

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#### ANNEX 5 TO TEST REPORT No. CBC-091/2020

Specification

### **Best Ebike Specification List**

	City - 12" Wheel	Cruiser -16" Wheel	Tourer - 20" Wheel
Overali Dimension:(MM)(LxWxH)	800x490x810	820x490x860	1000x520x820
Packing Dimension:(MM)(LXWXH)	1100x550x260	1100x550x260	1200x650x300
Max weight of person:(KG)	120kg	120kg	120kg
Max. permissible overall weight(KG)	140.8kg	143.8kg	148.8kg
Total weight without battery pack(KG)	17.5kg	20.5kg	25.5kg
Battery Weight:(KG)	3.3kg	3.3kg	3.3kg
Total weight :(KG)	20.8kg	23.8kg	28.8kg
Motor Power:(W)	350w	500w	500w
Motor Voltage:(V)	48y	48v	46v
Reverse Gear	Yes	Yes	Yes
Battery Capacity:(Ah)	11.6Ah	11.6Ah	11.6Ah
Battery Rated Energy:(Wh)	557Wh	557Wh	557Wh
Battery Dimension:(MM)(LxWxH)	371X130X86	371X130X86	371X130X86
Battery Charger	Yes	Yes	Yes
Charge time:(Hour)	5h	5h	5h
Manual or Auto Operation	Option	Option	Option
Brake Solution	Disk brake + E brake	Disk brake + E brake	Disk brake + E brake
Parking Brake	Yes	Yes	Yes
Turning Radius:(M)	1m	1.2m	1.5m
Climbing capability up to	10 degree	10 degree	10 degree
Max Overriding Height	50mm	40mm	55mm
Range On flat terrian:(Km)	40km	38km	35km
Max Speed:(Km/h)	28km/h	28km/h	32km/h
Drive Mode:(Km/h)	5 modes(10,15,20,25,28)	5 modes(10,15,20,25,28)	5 modes(10,15,20,25,32)
Cruise Control	Yes	Yes	Yes
Walking Mode	Yes	Yes	Yes
Tetra Function	Option	Option	Option
Frame Material	Steel and aluminum	Steel and aluminum	Steel and aluminum
Tire:(Inch)	12-1/2 x2-1/4 ( 57-203)	16 x 3.0 (76-305)	20 x4.0 (100-406)
Suggested Tire Pressure:(Bar)	2.88AR	2.4-3.1BAR	2.0BAR
Rim	24 X 203	50 X305	73 X406
Bell or Hom	Hom	Horn	Hom
Front Light	Yes	Yes	Yes
Basket	N/A	N/A	Yes
Installing Requirements of Wheelchair (Seat Width Range)	Possibility of covering all se	at width range, ready for custor	nizing as well.
Installing Requirements of Wheelchair (Seat Height Range)	Possibility of covering all se	at height range,ready for custo	mizing as well.







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ANNEX 6 TO TEST REPORT No. CBC-091/2020 Product configuration

### PAWS CITY product number: RPI12MMT00

PAWS CITY 12" MANUAL CLAMP & LIFT TETRA – Lifter and hand clamp TETRA steering rods

