

Test Report

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Below information submitted by the applicant:

Name : Electric lift table frame
Model : CTT-02-C3,CTT-02-C2,CTT-02-R3,CTT-D05,CTT-F02,CTT-L03,ACON0001,
ACON0002,ACON0005,ACON0007
Original :
Sample Received : July 01, 2019
Test Period : July 01 ~ 05, 2019
LAB Original. : CTB (CNAS L9438, Report No. CTB190705013WX)
Test Performed : SELECTED TEST(S) AS REQUESTED BY APPLICANT
Test Requirement : EN 527-1:2011 Office furniture - Work tables and desks - Part 1: Dimensions
EN 527-2:2002 Office furniture-Work tables Part 2: Safety, strength and
durability requirements
EN 527-3:2003 Office furniture Work tables and desks Part 3: Methods of test for
thedetermination of the stability and the mechanicalstrengthofthe structure
Test Result(s) : FOR FURTHER DETAILS, PLEASE REFER TO THE
FOLLOWING PAGE(S)
Conclusion : THE TEST DATA WERE PROVIDED TO CLIENT FOR THEIR OWN
ANALYSIS.
Result Summary : Test Conclusion Verdict
The test results of all items comply with regulations of test
standards and technical documents; the relevant performances
of the specimen are qualified. PASS

Authorized Signatory

Frank Zt
Signed for and on behalf of
TÜV Thüringen

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Test according to EN 527-2

Clause	Requirement – Test	Result - Remark	Verdict
3	General design requirements		P
	The table shall be so designed as to minimise the risk of injury to the user.		P
	Supporting elements shall be so placed as not to restrict the movements of users		P
	Intermediate supporting elements under the work top shall either be visible or be placed where the risk of injury to the user's legs or feet is minimised. The requirement is satisfied when, for example, the intermediate supporting elements are positioned less than 100 mm or more than 450 mm from the front edge of the table.	<100mm	P
	All parts of the table with which the user comes into contact during intended use shall be so designed that physical injury and damage to property are minimised.		P
	These requirements are met when: -all edges and corners are free from burrs and rounded or chamfered;		P
	-in order to avoid points of high pressure under the forearms, during prolonged contact with work tops, the edges and corners of the top surfaces are rounded with a radius of not less than 2 mm:	>2mm	P
	-movable and adjustable parts are designed to minimise the risk of injuries and inadvertent operation or release		P
	-the safety distance between accessible movable parts is either ≤ 8 mm or ≥ 25 mm in any position during movement. This applies to any elements moving relative to each other, with the exception of doors (including hinges) and extension elements (including runners);	> 25mm	P
	-the handles are designed so that they cannot trap fingers during intended use;		N/A
	-the ends of feet and hollow components are closed or capped.		N/A
4	Structural safety requirements		P
4.1	Test sequence		P

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Clause	Requirement – Test	Result - Remark	Verdict
	The table shall be tested in the following sequence of tests of EN 527-3:	See EN 527-3	P
4.2	Requirements for structural tests		P
	The structural design of all tables shall comply with minimum safety requirements. This includes demonstration of adequate structural strength.		P
	These requirements are fulfilled when:		P
	after the tests specified in 5.2 to 5.6 of EN 527-3:2002:		P
	-there is no fracture of any member, joint or component;		P
	-there is no loosening of joints intended to be rigid;		P
	-no major structural element is significantly deformed;		P
	-the table fulfils its functions after removal of test loads;		P
	-adjusting screws fulfil their functions.		P
4.3	Stability requirements		P
	During the stability test specified in 5.1 of EN 527-3:2002.		P
	-the table does not overbalance or rest supported on the drawers and all feet return to the ground when the loads are removed.		P

Test according to EN 527-3

Clause	Requirement – Test	Result - Remark	Verdict
5	Stability		P
5.1.2.1	Stability under vertical load		P
	a vertical load of 750 N at any position 50 mm from the edge of the table top	The legs of any table must not be lifted off the ground. The table remains stable	P
5.1.2.2	Stability with drawers open		N/A

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Clause	Requirement – Test	Result - Remark	Verdict
	The drawers shall be opened as far as the open stop will allow and a vertical load of 200 N shall be applied to the centre of the front of the table. 50 mm from the edge.		N/A
5.2	Strength under vertical force		P
	<p>1.Apply to the work surface, by means of the loading pad (4.3), a downwards vertical force of 1000 N, 10 times. The force application shall be maintained for 10 s±2s.</p> <p>2.The distance from any table shall not be less than 50mm</p> <p>3.Repeat the test in other desktop areas</p>	The table has no structural or functional damage	P
5.3	Strength under horizontal force		P
	<p>1.Place the table on the ground normally, the height can adjust the table to the highest height, but do not exceed the ground 800mm</p> <p>2.fix the two table legs on the short side, apply horizontal forces A and B alternately in the center of the edge of the table, 450N, apply pressure on point A once, and then point B, complete A test</p> <p>3.if the table is out of balance, reduce the horizontal force. Repeat 10 times. Test the long side in the other direction 10 times in the same way</p>	The table has no structural or functional damage	P
5.4	Fatigue under horizontal force		P
	<p>1. Block the table legs (surrounded by four sides) to prevent the table from sliding.Place 100kg in the center of the table to prevent the table from toppling.</p> <p>2. apply horizontal hA and B, 300N alternately on the edge of the table at the position of 50mm from the table Angle. This force should gradually increase from 0 to 300N, and repeat the same test in the other direction.</p> <p>3. One loop (complete both directions and count as one) cycles no more than 8 cycles per minute and repeat 10,000 times</p>	The table has no structural or functional damage	P
5.5	Fatigue under vertical force		P

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Clause	Requirement – Test	Result - Remark	Verdict
	1. Block the table legs (surrounded by four sides) to prevent the table from sliding 2. Apply a vertical load of 400N with a pressure plate 100mm from the edge of the table, where damage is most likely, for a duration of 2s 3. The test is repeated no more than 10 times per minute for 10,000 repetitions	No structural or functional damage to the table	P
	Carry out 10 000 cycles with a frequency of not more than 10 cycles per minute.		P
5.6	Drop test		P
	Lift the same side of the table to the drop height (h) determined as such, so that the 2 legs lifted are on an horizontal plane. Let it drop freely onto the floor surface (4.1) Carry out the test 5 times Repeat the same test on the opposite side. Repeat the test 5 times. Record any defects.	h: 100mm After testing both ends the table was not broken, loose or functionally disabled	P

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Test according to EN 527-1, Table/desk dimensions in millimetres

Dimensions			Work table/desk type		Result
			Type A	Type B	Type B
			Fully adjustable	Fully selectable	
h1	Height of the work surface	Sitting only	Minimum range 650-850	Minimum range 650-850 ^a	610-1260
		Standing only	Minimum range 950-1250	Minimum range 950-1250 ^a	610-1260
		Sit/stand	Minimum range 650-1250	N/a	N/a
T1 and t2	Maximum desk top thickness	At the front, t1	55b	55b	60
		At 500 mm from the front edge t2	80b	90b	90b
K1	Minimum height of kneeclearance for standing position	Applies ont to tables with a height more than 850 mm	700b	700b	700B
K2	Minimum depth of kneeclearance for standing position only	/	80	80	85
K3	Minimum depth foot clearance for standing position only	/	150	150	162
f1 and f2	Minimum height of foot clearance and	Sitting only and sit/stand From 600 mm to 800 mm from the front edge,	120	120	126
		Standing only From front edge to 150 mm, f2	120	120	128
g1	Minimum legroom depth Sitting only (see Figure 1)	Sitting only and sit/stand	800	800	814
D	Minimum desk top depth		800	800	804

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W	Minimum legroom width	Sitting only and t/stand	1200	1000	1221
		Standing only	790	790	801

- a: Maximum increment of 20 mm
- b: Only applies to sitting and sit/stand work tables/desks
- c: The construction of the product shall ensure the minimum legroom depth
- d: Measured from the floor
- e: The minimum and maximum values shall be obtained
- f: 600 mm can in some situations be acceptable, e.g. when 17" or smaller flat screens are used, providing that the work surface is not against the wall and that two people are not sitting one in front of each other. Information about these limitations shall be provided with the product
- g: The dimension D is measured as the smallest dimension at the work area



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PHOTO OF SAMPLE

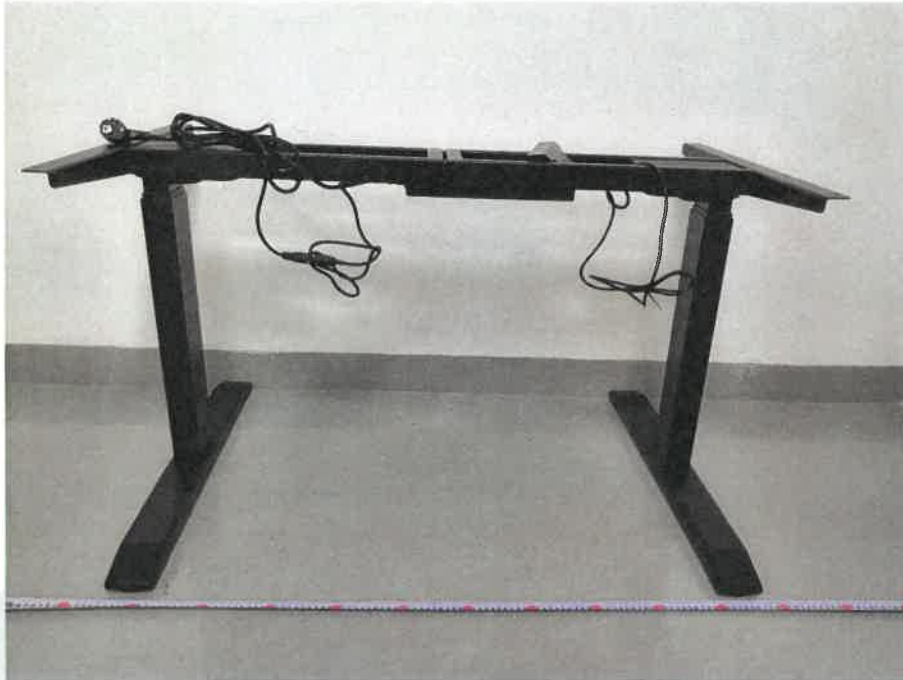


Photo 1

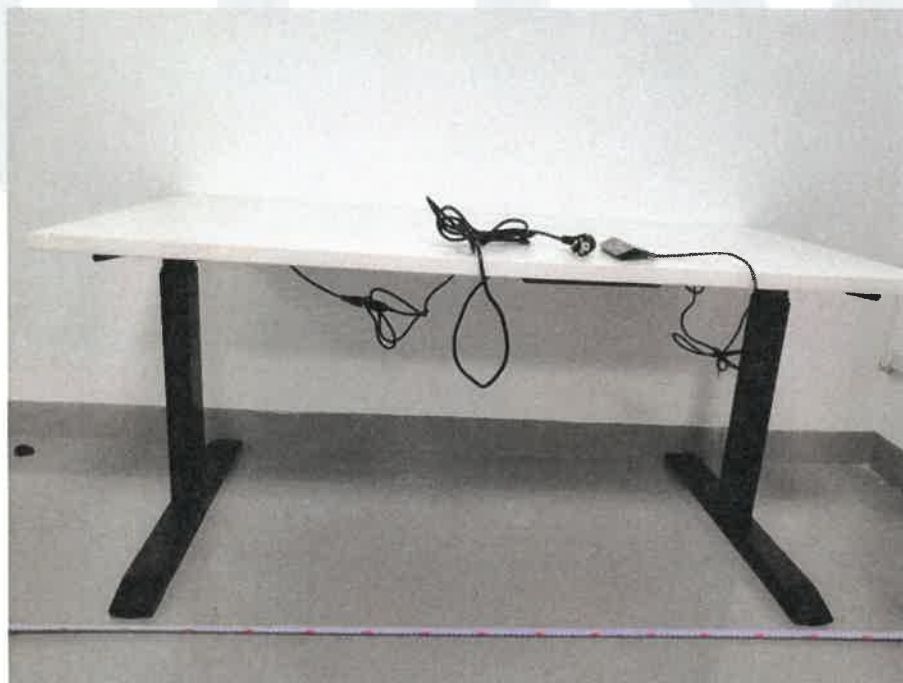


Photo 2

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PHOTO OF SAMPLE



Photo 3

***** THE END OF REPORT *****