

Test Report No.:	50163197-002	Order No.:	154341825-30	Page 1 of 7 页码 1 / 7			
Client Reference No.:	/	Order date:	09.July.2018				
Client:							
Test item:	Manual cranked sitting desk						
Identification/Type No:	AK02YJHT-AJ-L						
Order content:	Mechanical safety tests						
Test specification:	EN 527-1:2011, EN527-2:2016 EN 1730:2012						
Date of receipt:	09.July.2018 20.Aug.2018 (top board)						
Test sample No.:	A000772221-002 A000793055-001 (top board)						
Testing period:	09.July.2018 - 27.Aug.2018						
Place of testing:	Shanghai						
Testing laboratory:	TÜV Rheinland (Shanghai) Co., Ltd.						
Test result*:	Pass						
tested by:	27.Aug.2018	Kimi Xu / PE	<i>Kimi Xu</i>	reviewed by:	27.Aug.2018	Jin Yuan / Reviewer	<i>Sean Yuan</i>
Date	Name / Position	Signature	Date	Name / Position	Signature		
Other:							
Condition of the test item at delivery :				Test item complete and undamaged			
<p>* Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested</p>							
<p>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark</p>							

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List of used test equipment

Test equipment	Equipment No. / ID-No.	Next calibration
See Remark		

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Product description

1	Product details	Manual cranked sitting desk _ AK02YJHT-AJ-L
2	Dimensions / weight	H x W x D: 600 / 900 x 1200 x 800 mm Weight: 37.5 kg
3	Operating elements	/
4	Equipment / Accessories	/
5	Used materials	/
6	Other	/

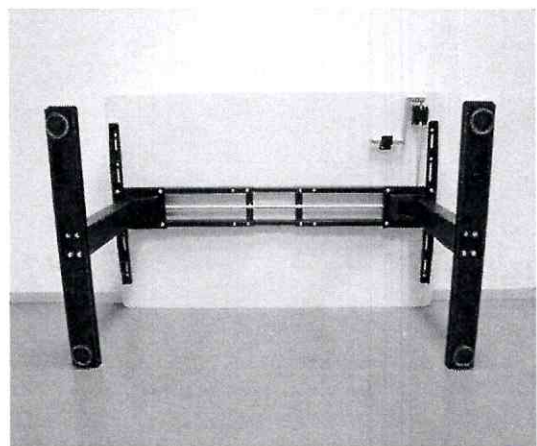
Highest View

Side View



Back View

Bottom View



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Absatz	EN 527-1:2011, EN527-2:2016	Messergebnisse - Bemerkungen	Bewertung
Clause	Anforderungen - Prüfungen / Requirements - Tests	Measuring results - Remarks	Evaluation

EN 527-1: 2011 Office furniture – Work tables and desks – Part 1: Dimensions			
1	Scope		
2	Normative reference		
3	Terms and definitions		
4	Dimensions	Details of measurement refer to Dimensions Table	P
/	Annex A (informative) General ergonomic principles and explanations to Table 1		

Dimensions Measurement of EN 527-1:

Dimensions			<input type="checkbox"/> Type A	<input type="checkbox"/> Type B	<input type="checkbox"/> Type C	<input checked="" type="checkbox"/> Type D				Measurement	Result	
			Fully adjustable	Fully selectable	Fixed height	Limited adjustable or limited selectable						
						-	Min	Max	+			
h ₁	Height of the work surface	Sitting only	Min 650-850	Min 650-850	740±20	Y	680	760	Y	605 ~ 900	P	
		Standing only	Min 950-1250	Min 950-1250	1050±20	Y	1000	1180	Y		N/A	
		Sit/stand	Min 650-1250	N/A	N/A		Min 680-1180				/	N/A
t ₁ and t ₂	Maximum desk top thickness	At the front, t ₁	55	55	70		70				25 mm	P
		At 500mm from the front edge, t ₂	80	90	100		100				70 mm	P
k ₁	Minimum height of knee clearance for standing position only	Applies only to table with a height more than 850mm	700	700	700		700				/	N/A
k ₂	Minimum depth of knee clearance for standing position only	--	80	80	80		80				/	N/A
k ₃	Minimum depth of foot clearance for standing position only	--	150	150	150		150				/	N/A
f ₁ and f ₂	Minimum height of minimum foot clearance	Sitting only and sit/stand from 600mm to 800mm from the front edge, f ₁	120	120	120		120				>120	P
		Standing only from front edge to 150 mm, f ₂	120	120	120		120				/	N/A
g ₁	Minimum legroom depth	Sitting only and sit/stand	800	800	800		800				800 mm	P

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D	Minimum desk top depth	--	800	800	800	800	800 mm	P
W	Minimum legroom width	Sitting only and sit/stand	1200	1000	850	850	970 mm	P
		Standing only	790	790	790	790	/	N/A

EN 527-2: 2016 Office furniture – Work tables – Part 2: Safety, strength and durability requirements			
1	Scope		
2	Normative references		
3	Terms and definitions		
4	Safety requirements		/
4.1	General		P
4.2	Shear and squeeze points		/
4.2.1	Shear and squeeze points when setting and folding		P
4.2.2	Shear and squeeze points under influence of powered mechanism		N/A
4.2.3	Shear and squeeze points during use		P
4.3	Stability requirements		Refer to cl. 7.2 and cl.7.3 of EN 1730 in table 1
4.4	Structural safety requirements		Refer to cl. 5.2
5	Strength and durability		
5.1	General		Refer to below clause(s)
1	Durability of height adjustment mechanisms (EN 1730:2012, cl.8)		P
2.1	Horizontal static load test (EN 1730:2012, cl.6.2)		Reduced to 450N / 340N due to overturning.
2.2	Additional horizontal static load test for adjustable tables with a height more than 950 mm (EN 1730:2012, cl.6.2)		N/A
3.1	Vertical static load test (EN 1730:2012, cl.6.3.1)		P
3.2	Additional vertical static load test for adjustable tables with a height more than 950 mm (EN 1730:2012, cl.6.3.1)		N/A
4	Horizontal durability test (EN 1730:2012, cl.6.4.1 and cl. 6.4.2)		P
5	Stiffness of structure (EN 1730:2012, cl.6.4.1 and cl. 6.4.3)		P (3mm / 3mm)
6	Vertical durability test (EN 1730:2012, cl.6.5)		P
7	Durability of tables with casters (EN 1730:2012, cl.6.8)		N/A
8	Vertical impact test		P

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	(EN 1730:2012, cl.6.6)		
9	Drop test (EN 1730:2012, cl.6.9)		P
10	Stability under vertical load (EN 1730:2012, cl.7.2)		P
11	Stability for work tables extension elements (EN 1730:2012, cl.7.3)		N/A
5.2	Requirements		P
6	Instruction for use Instruction for use shall be available in the language of the country in which it will be available to the end user. It shall contain at least the following details: a) Information regarding intended use b) Instruction for operating the adjusting mechanisms c) Instruction for the care and maintenance of the table		N/T

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/	Table 1 — Test sequence and parameters		
	Tests	Reference	Parameters
	1. Durability of height adjustment mechanisms ^d	EN 1730:2012, 8	Minimum mass on the table top, kg: 50 ^e Location of the centre of the loading point and loading on the table top: - A: 20 kg at 200 mm from the front and side edges. The remaining load shall be at the geometric centre of the table top (25 % of the cycles); - B: 50 kg or the maximum load specified shall be at the geometric centre of the table top (50 % of the cycles); - C: 20 kg positioned at a rear corner 200 mm from the rear edge and the side edge. The remaining load shall be at the geometric centre of the table top (25 % of the cycles) cycles: 5000
	2.1. Horizontal static load test ^a	EN 1730:2012, 6.2	Load on the table top, kg: 50 Specified force, N: 450 Minimum specified force, N: 300 Cycles: 10
	2.2. Additional horizontal static load test for adjustable tables with a height more than 950 mm ^b	EN 1730:2012, 6.2	Load on the table top, kg: 50 Moment, Nm: 285 Cycles: 10
	3.1 Vertical static load tests ^a	EN 1730:2012, 6.3.1	Force, N: 1 000 Cycles: 10
	3.2 Additional vertical static load test for	EN 1730:2012, 6.3.1	Force, N: 500 Cycles: 10

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Tests	Reference	Parameters	Value
adjustable tables with a height more than 950 mm ^b			
4. Horizontal durability test ^a	EN 1730:2012, 6.4.1, 6.4.2	Load on the table top, kg: Force, N: Cycles:	50 300 10 000
5. Stiffness of the structure ^a	EN 1730:2012, 6.4.1 and 6.4.3	Load on the table top, kg: Force, N:	0 200
6. Vertical durability test ^a	EN 1730:2012, 6.5	Force, N: Cycles:	400 10 000
7. Durability of tables with castors	EN 1730:2012, 6.8	Load on the table top, kg: Cycles:	50 2 000
8. Vertical impact test ^a	EN 1730:2012, 6.6	Drop height, mm : Cycles	140 10
9. Drop test ^a	EN 1730:2012, 6.9	Nominal drop height, mm:	100
10. Stability under vertical load ^e	EN 1730:2012, 7.2	Force, N V ₁ V ₂	750 750
11. Stability for work tables extension elements ^e	EN 1730:2012, 7.3	Force, N	400
^a Height adjustable tables shall be adjusted to their maximum height or 950 mm table top height, whichever is the lower. ^b Adjust the work table to its maximum height ^c Either minimum 50 kg or nominal load according to the manufacturer's instruction whichever is the greater ^d This test is only applicable to electrically operated height adjustment mechanisms. ^e The tests of the stability Clauses 10 and 11 may be carried out additionally at the very beginning as an option.			

Note:

None

Remark:

- List of used test equipment could be traceable and provided separately upon request.
- Clause(s) with the symbol “ / ” in the result refers to the result(s) of its sub-clause(s).
- Only dimensions measurement, stability tests and vertical static load test were performed in this test report, other test results in this report refer to previous test report 50163197-001, dated on 02.Aug.2018.
- Foreseeable use was considered. Currently neither a safeguard clause procedure has been invoked nor is an increase in accidents known for this/these product(s).
- Detailed information regarding measurement uncertainty is available in the test laboratory(s) and could be shown on client request. Deviation report in Simplified Chinese is available on client's request.

*** End of test report ***