

Test Report

No.SDHL2312021744FT

Date: Dec 11, 2023

Page 1 of 9

COMFORT OFFICE FURNITURE CO., LTD GUANGDONG
ROOM 1901, NO. 6 XINGSHA ROAD, NANSHA STREET, NANSHA DISTRICT, GUANGZHOU

Sample Description : ERGOHUMAN ULTRA OFFICE CHAIR
Style No. : ERGOHUMAN ULTRA
Item No. : EHU
Client Reference Information : Item No.: G-EHU

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

Sample Receiving Date : Nov 24, 2023
Test Performing Date : Dec 05, 2023 to Dec 07, 2023
Test Performed : Selected test(s) as requested by applicant

Test Result Summary

No.	Test(s) Requested	Result(s)	Comments
1	EN 1335-1:2020+A1:2022 (Type A), excluding information for use	PASS	/
For further details, please refer to the following page(s)			

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch

Marco Leung

Marco Leung
Authorized Signatory

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Verification:
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Test Conducted:

EN 1335-1:2020+A1:2022 Office furniture – office work chair – Part 1: Dimensions – Determination of dimensions, excluding information for use.

Test Ambient Conditions	Requirements	Actual
Temperature	15 °C to 25 °C	20.0 °C
Humidity	/	50 %

Sample information:

No. of sample: 1 pc. (Sample 1)

Overall size: 705 mm D x (730~800) mm W x (1100~1345) mm H

Weight: 20.95 kg

Work Chair Type: Type A

Work Chair Functions:

Seat height: Adjustable

Seat pad angle: Adjustable

Back angle: Adjustable

Armrest: Adjustable

Foot support: Without

Seat depth: Adjustable

Back height: Adjustable

Lumbar support: Adjustable

Neck/head rest: With

Decision Rule for Measurement Uncertainty:

The decision rule to judge if a result is compliant is when the measured value is within the requirement (i.e. less than or equal to an upper limit, greater than or equal to a lower limit), without taking into consideration the measurement uncertainty.

Dimension	Sep.	Requirements					Record	Results
		Type	Ax	A	B	C		
8 Dimension Requirements		Dimension in millimeters						
a Seat height (See footnote “a”, “b” & “c”)	8 9	Allow (-)	yes	yes	yes	yes	Min. a= 394	PASS
		Min	400	400	420	430		
	14 15	Max	540	520	510	480	Max. a= 525	
		Allow (+)	yes	yes	yes	yes		
		Min. range	160	130	100	80		
Footnote: a. For tall office work chairs the seat height is determined as the vertical distance measured at the front of the seat, from the loaded seat to the floor or top of the foot support. The foot support shall have a minimum diameter of 20 mm or be flat. b. For type Ax only, the range can be achieved e.g. by using a telescopic gas cylinder or by providing more than one gas cylinder. c. Sitting height is only applicable for chairs with seat pad angles less than 0 (rearwards slope).								



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Dimension	Sep.	Requirements					Record	Results
		Type	Ax	A	B	C		
b Adjustable depth of the seat	10	Allow (-)	yes	yes	yes	yes	Min. b= 386	PASS
		Min	380	425	425	425		
	16	Max	430	450	445	-	Max. b= 458	
		Allow (+)	yes	yes	yes	yes		
		Min. range	70	70	50	-	Range = 72	
b Fixed depth of the seat	10	Allow (-)	no	no	no	no	b = /	NA
		Min			425	425		
		Max			485	-		
		Allow (+)			no	yes		
		Min. range			fixed	fixed		
f Adjustable height of lumbar support	2	Allow (-)	yes	yes	yes	yes	Min. f = 170~200	PASS
		Min	170	170	170	170		
	1	Max	300	300	300	300	Max. f = 260~300	
		Allow (+)	yes	yes	yes	yes		
	3	Min. range	70	70	50	-	Range = 130	
f Fixed height of lumbar support	1	Allow (-)	no	no	no	no	f = /	NA
		Min			170	170		
		Max			300	300		
		Allow (+)			no	no		
		Min. range			-	-		
q Max. distance from the backrest to the front the armrests (See footnote "d")	12	Allow (-)	yes	yes	yes	yes	Max. q = 290	PASS
		Min	-	-	-	-		
		Max	200	300	350	400		
		Allow (+)	no	no	no	no		
		Min. range	-	-	-	-		

Footnote:

d. The distance *q* shall be measured when the minimum usable armrest area template, 150 mm x 50 mm (Type Ax and Type A) or 150 mm x 40 mm (Type B and Type C), are parallel to the median plane of the seat.



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Dimension	Sep.	Requirements					Record	Results
		Type	Ax	A	B	C		
r Hip breadth clearance when armrests are in widest position (See footnote “e”)	25	Allow (-)	no	no	no	no	Min. r = 500	PASS
Min		480	480	460	460			
Max		-	-	-	-			
Allow (+)		yes	yes	yes	yes			
Min. range		-	-	-	-			
z Adjustable clear distance between armrest pads (See footnote “e” & “f”)	26	Allow (-)	yes	yes	yes	yes	Min. z = 400	PASS
Min		410	410	460	460			
Max		510	510	510	510			
Allow (+)		yes	yes	yes	yes	Max. z = 525		
Min. range		-	-	-	-			
z Fixed clear distance between armrest pads (See footnote “e” & “f”)	26	Allow (-)	no	no	no	no	Min. z = /	NA
Min		460			460			
Max		510			510			
Allow (+)		no			yes			
Min. range		-			-			
Footnote: e. The gap shall be retained across the height adjustment range of the armrests for functional fit. f. The clear distance ‘z’ shall be measured when the minimum usable armrest area templates, 150 mm x 50 mm (Type Ax and Type A) or 150 mm x 40 mm (Type B and Type C), are parallel to the median plane of the seat.								
p Height of armrests adjustable	13	Allow (-)	yes	yes	yes	yes	Min. p = 192	PASS
		Min	200	200	225	200		
	18	Max	290	290	250	250	Max. p = 296	
		Allow (+)	yes	yes	yes	yes	Range = 104	
		Min. range	100	100	50	-		
p Height of armrests not adjustable	13	Allow (-)	no	no	no	no	Min. p = /	NA
		Min			225	200		
		Max			275	250		
		Allow (+)			no	no		
		Min. range			-	-		



Dimension	Sep.	Requirements					Record	Results
		Type	Ax	A	B	C		
d Seat pad width	19	Allow (-)	no	no	no	no	Min. d = 500	PASS
		Min	400	400	400	400		
		Max	-	-	-	-		
		Allow (+)	yes	yes	yes	yes		
		Min. range	-	-	-	-		
c Seat pad depth	20	Allow (-)	no	no	no	no	Min. c = 510	PASS
		Min	380	380	380	380		
		Max	-	-	-	-		
		Allow (+)	yes	yes	yes	yes		
		Min. range	-	-	-	-		
h Backrest height	11	Allow (-)	no	no	no	no	Min. h = 545	PASS
		Min	360	360	360	360		
	17	Max	-	-	-	-	Max. h = 601	
		Allow (+)	yes	yes	yes	yes		
		Min. range	-	-	-	-		
j Backrest width	21	Allow (-)	no	no	no	no	Min. j = 460	PASS
		Min	360	360	360	360		
		Max	-	-	-	-		
		Allow (+)	yes	yes	yes	yes		
		Min. range	-	-	-	-		
k Radius of backrest	22	Allow (-)	no	no	no	no	Min. k = 700	PASS
		Min	400	400	400	400		
		Max	-	-	-	-		
		Allow (+)	yes	yes	yes	yes		
		Min. range	-	-	-	-		



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Dimension	Sep.	Requirements					Record	Results
		Type	Ax	A	B	C		
n Armrest length	23	Allow (-)	no	no	no	no	Min. n = 286	PASS
		Min	150	150	150	150		
		Max	-	-	-	-		
		Allow (+)	yes	yes	yes	yes		
		Min. range	-	-	-	-		
o Armrest width	24	Allow (-)	no	no	no	no	Min. o = 90	PASS
		Min	50	50	40	40		
		Max	-	-	-	-		
		Allow (+)	yes	yes	yes	yes		
		Min. range	-	-	-	-		
s Offset of the underframe	27	Allow (-)	yes	yes	yes	yes	Max. s = 383	PASS
		Min	-	-	-	-		
		Max	415	415	415	415		
		Allow (+)	no	no	no	no		
		Min. range	-	-	-	-		
Angle Requirements								Angle in degrees
y Angle between seat and back (See footnote “a”)	4	Allow (-)	no	no	no	no	y = 92.20	PASS
		Min	90	90	90	90		
		Max	-	-	-	-		
		Allow (+)	yes	yes	yes	yes		
		Min. range	-	-	-	-		
Footnote: a. As long as it is possible to achieve an angle of minimum 90° between seat pad and backrest, the requirement is fulfilled.								
l Backrest inclination range	5	Allow (-)	Min. 15°	Min. 15°	Min. 15°	-	Range = 37.15	PASS
		Min						
		Max						
		Allow (+)						
		Min. range						

Dimension	Sep.	Requirements					Record	Results
		Type	Ax	A	B	C		
e Seat pad angle adjustable	6	Allow (-)	yes	yes	yes	yes	Min. e = -14.65	PASS
		Min	0	0	-2	-2		
	7	Max	-	-	-	-	Max. e = 0.45	
		Allow (+)	yes	yes	yes	yes		
		Min. range	-	-	-	-		
e Min. adjustment range (See footnote “b”)	7	Allow (-)	5	5	5	5	Range = 15.10	PASS
		Min						
		Max						
		Allow (+)						
		Min. range						
e Seat pad angle fixed	6	Allow (-)	no	no	no	no	e = /	NA
		Min			+2	+2		
		Max			-5	-7		
		Allow (+)			no	no		
		Min. range			-	-		
Footnote: b. The adjustment range shall include the specified seat pad angle.								
Annex C - Dimensions of neck rests and headrests (Informative)							Dimension in millimetres	
x Height of adjustable neck rest or head rest	28	Allow (-)	no	no	no	no	Min. x = 608	For reference only.
		Min	550	550	590	590		
		Max	740	740	-	-		
		Allow (+)	yes	yes	yes	yes	Max. x = 709	
		Min. range	-	-	-	-		
x Height of fixed neck rest or head rest	28	Allow (-)	no	no	no	no	Min. x = /	NA
		Min			590	590		
		Max			-	-		
		Allow (+)			yes	yes		
		Min. range			-	-		

Footnote:

b. The adjustment range shall include the specified seat pad angle.

Annex C - Dimensions of neck rests and headrests (Informative) Dimension in millimetres

x Height of adjustable neck rest or head rest	28	Allow (-)	no	no	no	no	Min. x = 608	For reference only.
		Min	550	550	590	590		
		Max	740	740	-	-		
		Allow (+)	yes	yes	yes	yes	Max. x = 709	
		Min. range	-	-	-	-		
x Height of fixed neck rest or head rest	28	Allow (-)	no	no	no	no	Min. x = /	NA
		Min			590	590		
		Max			-	-		
		Allow (+)			yes	yes		
		Min. range			-	-		



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Test Methods and Requirements	Test Results
9 Information for use Information for use shall be available in the language of the country in which it will be delivered to the end user. It shall contain at least the following details: a) the Type of chair (Type Ax, Type A, Type B or Type C); b) information regarding the intended use; c) instructions for operating the adjusting mechanisms; d) assembly instructions, where applicable; e) instructions for the care and maintenance of the chair; f) if the chair is fitted with castors, Information on the choice of castors in relation to the floor surface.	NR

Remark:

1. NA – Not applicable; NR – Not requested.
2. According to client's statements, the tested Item No. EHU is identical to the Item No. as stated in "Client Reference Information" column on the first page.
3. For the sample information and pictures, please refer to the following page.



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Photo Appendix



Original Sample - View 1



Original Sample - View 2



Original Sample - View 3



Original Sample - View 4

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule ($w=0$) stated in ILAC-G8:09/2019.

End of Report