



Test Report

No.SDHL2305008598FT

Date: May 26, 2023

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COMFORT OFFICE FURNITURE CO., LTD. GUANGDONG
ROOM 1901, NO.6, XINGSHA ROAD, NANSHA DISTRICT, GUANGZHOU,
GUANGDONG PROVINCE, CHINA 511458

Sample Description : ERGOHUMAN OFFICE CHAIR
Style No. : ERGOHUMAN ELITE 2
Item No. : EHE2
Client Reference Information : Style No.: ERGOHUMAN LUXURY 2
Item No.: EHL2

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 : May 22, 2023
Test Performing Date : May 22, 2023 to May 25, 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

scan to see the report



SDHL2305008598FT



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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 (730~820) mm W x (1160~1350) mm H

Weight: 23.35 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 Sitting height (See footnote “a”, “b” & “c”)	8 9	Allow (-)	yes	yes	yes	yes	Min. a= 400	PASS
		Min	400	400	420	430		
	14 15	Max	540	520	510	480	Max. a= 530	
		Allow (+)	yes	yes	yes	yes		
		Min. range	160	130	100	80	Range= 130	

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= 404	PASS
		Min	380	425	425	425		
	16	Max	430	450	445	-	Max. b= 474	
		Allow (+)	yes	yes	yes	yes		
		Min. range	70	70	50	-	Range = 70	
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 = 270~300	
		Allow (+)	yes	yes	yes	yes		
	3	Min. range	70	70	50	-	Range = 80	
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 = 298	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.



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 = 380	PASS
Min		410	410	460	460			
Max		510	510	510	510			
Allow (+)		yes	yes	yes	yes	Max. z = 510		
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 = 200	PASS
		Min	200	200	225	200		
	18	Max	290	290	250	250	Max. p = 301	
		Allow (+)	yes	yes	yes	yes		
		Min. range	100	100	50	-	Range = 101	
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 = 495	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 = 586	PASS
		Min	360	360	360	360		
	17	Max	-	-	-	-	Max. h = 626	
		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 = 580	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 = 263	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 = 92	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 = 380	PASS
		Min	-	-	-	-		
		Max	415	415	415	415		
		Allow (+)	no	no	no	no		
		Min. range	-	-	-	-		
Angle Requirements							Angle in degrees	
γ Angle between seat and back (See footnote “a”)	4	Allow (-)	no	no	no	no	γ = 98.55	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 = 35.30	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 = -26.00	PASS
		Min	0	0	-2	-2		
	7	Max	-	-	-	-	Max. e = -1.05	
		Allow (+)	yes	yes	yes	yes		
		Min. range	-	-	-	-		
e Min. adjustment range (See footnote “b”)	7	Allow (-)	5	5	5	5	Range = 24.95	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 = 657	For reference only.
		Min	550	550	590	590		
		Max	740	740	-	-	Max. x = 765	
		Allow (+)	yes	yes	yes	yes		
		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			-	-		

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 Style/Item No. EHE2 (ERGOHUMAN ELITE 2) is identical to the Style/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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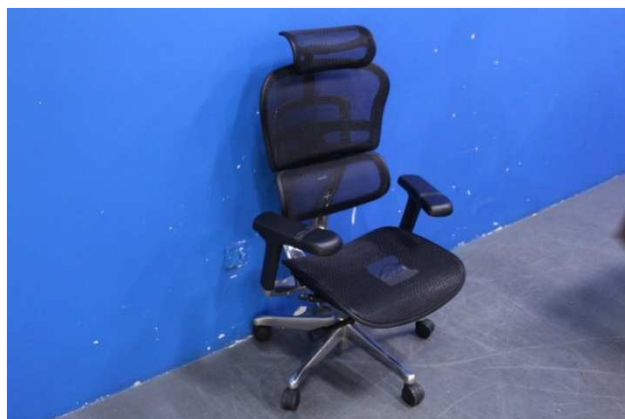
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Photo Appendix



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



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