

Swedstyle AB
Box 171
567 24 VAGGERYD
SWEDEN

Testing of work tables and desks according to EN 527-1, -2 (4 appendices)

Customer:	Swedstyle AB
Test object/ID:	Work table/Aero 2.0 Flex 3D
Test method:	EN 527-1:2011 Office furniture - Work tables and desks – Dimensions EN 527-2:2016 Office furniture - Work tables - Safety, strength and durability requirements
Scope:	Complete test
Date of test:	2017-02-21 – 2017-03-22
Test result:	The tested object passed the test Dimensionally according EN 527-1: Type A, sit/stand Information for use has not been assessed
Reservation:	The test results in this report apply solely to the specimen tested
Test environment:	23 ± 2°C and 50 ± 5% relative humidity
Additional information:	

RISE Research Institutes of Sweden AB Building Technology - Wood Technological Assessment

Performed by

Examined by

Signed by: Bengt-Åke Andersson
Reason: I am the author of this document
Date & Time: 2017-06-28 16:45:05 +02:00

Bengt-Åke Andersson



2017-06-28 16:53:30 +02:00

Stefan Lindskog

Appendices

1. Dimensions (1 page)
2. Strength and durability(2 pages)
3. Description of test object (1 page)
4. Pictures (2 pages)

RISE Research Institutes of Sweden AB

Postal address	Office location	Phone / Fax / E-mail
Box 857	Brinellgatan 4	+46 10 516 50 00
SE-501 15 BORÅS	SE-504 62 BORÅS	+46 33 13 55 02
Sweden		info@ri.se

Laboratories are accredited by the Swedish Board for Accreditation and Conformity Assessment (SWEDAC) under the terms of Swedish legislation. This report may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.



Technical Specification

SWEDSTYLE

Prepared by/Uppgjord av Susanne Andersson	Subject/Ämne Swedstyle AB	No	Page(Sida) 1(2)
Approved by/Godk av	Date/Datum 2019-08-27	Rev 6	File/Filnamn

Technical Specification Aero 2.0 Flex 3D, 2-leg (3-leg)

- Max lifting capacity frame 100 kg (150 kg) include table top, load even distributed
- Duty cycle 10 %, 1 min 9 min pause or max 2 min. per 18 min
- Speed 40 mm/sec
- Installation height down position 605 mm without table top
- Stroke 660 mm, 605 – 1265 ± 5mm without table top
- Telescopic column dimension 90 x60 outer, 83 x 53 mid tube, 76 x 46 inner tube
- Max bending torque column, max 200 Nm dynamic
- Life time tested, min 10 000 cycles full load
- Noise less than 42 dBA (L_{pAeg})
- Weight 31 kg (53 kg)
- Powder painted
- Electrical height adjustable table, double hall sensor controlled motors that guarantee a improved synchronization and precise compensation uneven loads.
- For indoor environment usage only
 - Ambient temperature +5° till +30° C
 - Humidity 5-85% non condensed
- New control unit with low inbuilt height dimensions
 - Switching technology without any magnetic fields.
 - Low standby <0,3W
 - Inbuilt overload protection
 - Inbuilt temperature protection and duty cycle protection
- CE compliant
 - Fulfill Machine directive 2006/42/EC, EMC directive 2014/30/EU and Low voltage directive 2014/35/EC
 - Fulfill REACH, WEEE and RoHS 3 2015/863
- Fulfill EN 527-1:2011 Type A, EN 527-2:2016, ISO 21016
- UL 962 ETL listed
- Bauart tested (prepared for GS compliance)



SWEDSTYLE

Prepared by/Uppgjord av
Susanne Andersson
Approved by/Godk av

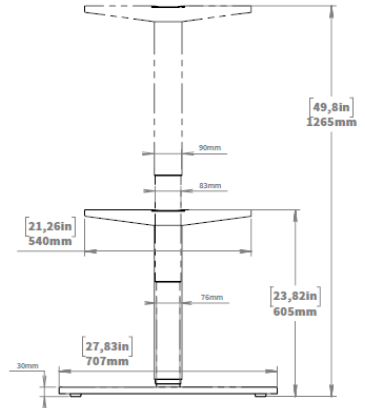
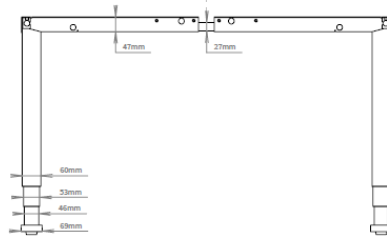
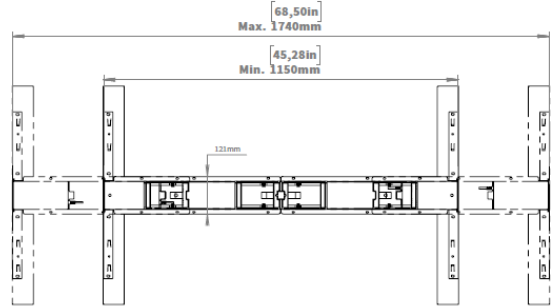
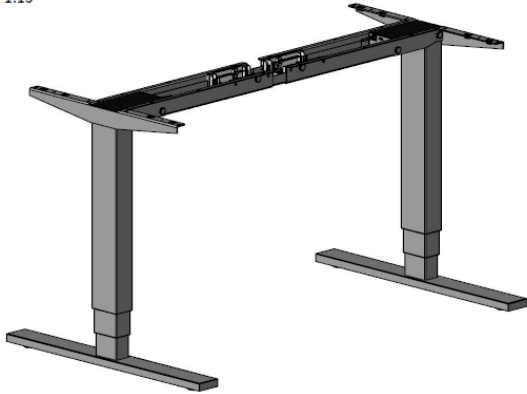
Subject/Ämne
Swedstyle AB
Date/Datum
2019-08-27

Technical Specification

No
Page(Sida)
2(2)
Rev
File/Filnamn
6

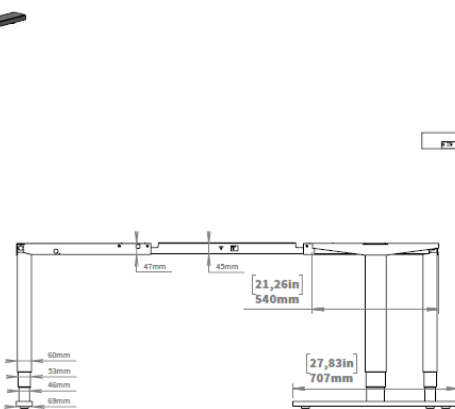
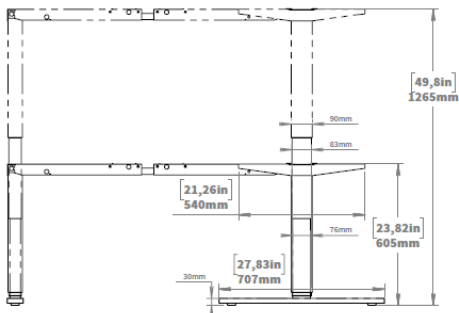
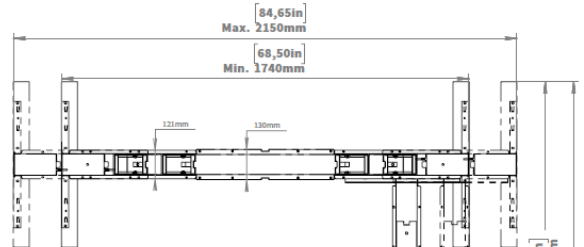
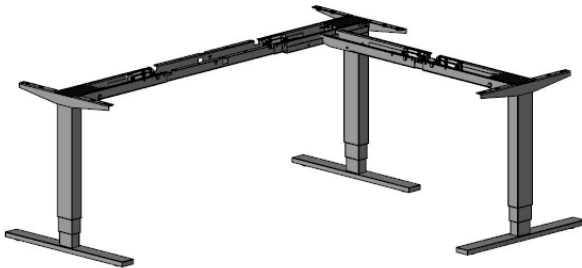
Aero 2.0 Flex 2b/3D

Article no. AE23JAxxxxxx
Scale: 1:15



Aero 2.0 Flex 3b/3D

Article no. AE33JAxxxxxx
Scale: 1:20





TEST REPORT

Applicant: Swedstyle AB
Karlavägen 38, Box 171, SE-56724 Vaggeryd, Sweden

Description of sample: Product: "Solo 2.0 Flex 2b/2D"

Date for test: 2018-02-19 – 2018-05-28

Investigation requested: Test for compliance with LVD requirements by using harmonized standard SS-EN 60335-1:2012 together with amendment A11:2014 + AC:2014+A13:2017

Conclusion(s): The submitted product COMPLIED with LVD requirements, however on the client's request most requirements are not tested by Jan Linders AB, the client has tested these previously at Dectron AB. Hence this report frequently refers to test report 1308-004-01 from Dectron AB.

The tests performed by Jan Linders AB are done in accordance with the LVD standards described above and with relevant methods used by the test house. We declare that the tested unit(s) are in accordance with the results and specifications in this report for those tests performed by Jan Linders AB. The test results relate only to the tested items.

This test report shall not be reproduced except in full, without written approval from the test house.



Jan Linders
Authorized signatory
Licentiate of Engineering

2018-06-05
Date

**EG-FÖRSÄKRAN OM ÖVERENSSTÄMMELSE
DECLARATION OF CONFORMITY
KONFORMITÄTSEKTLÄRUNG**



Vi, We, Wir

SWEDSTYLE AB
Box 171
SE 567 24 Vaggeryd
Sweden

intygar härmed att våra höjdbar bordsstativ
declare under our sole responsibility, that the height adjustable desktop stands:
erklären in alleiniger Verantwortung, dass die höhenverstellbaren Tische

Modellbenämning, Model name, Modellname

MINI	2D/3D
Solo Flex 2b/2D, Solo 1M	2D
Aero, Aero 2.0	2D/3D
Space/Delta, Delta 2.0	2D/3D
Classic, Classic 2.0	2D/3D
Classic Twin 2.0	3D
Quadro, Quadro 2.0	2D/3D
Omega, Omega 2.0	2D/3D
Tetra Work	2D
Tetra Meeting	2D

uppfyller kraven i följande direktiv:
are in conformity with the following regulations:
mit den folgenden Richtlinien übereinstimmen:

Machinery Directive 2006/42/EC
Maschinenrichtlinie 2006/42/EG

Low Voltage Directive 2014/35/EC
Niederspannungsrichtlinie 2014/35/EG

EMC Directive 2014/30/EU
Elektromagnetische Verträglichkeitsrichtlinie 2014/30/EU

RoHS 3 Directive 2015/863
RoHS 3 Richtlinie 2015/863

Vaggeryd 16.08.2019

SWEDSTYLE AB

Susanne Andersson

SWEDSTYLE AB
Box 171
SE-567 24 Vaggeryd
Sweden

Tel. +46 393 363 60
Fax +46 393 124 20
info@swedstyle.se
www.swedstyle.se

EMC TEST REPORT

Swedstyle AB

Adjustable table

Classic 2.0 Flex 2D & 3D 2-leg

Report no. 18037

Also sold as:

Aero 2.0 2D & 3D
Classic 2.0 Twin 2D & 3D
Classic 2.0 Duo 2D & 3D
Quadro 2.0 2D & 3D
Omega 2.0 2D & 3D

Prepared by Len Croner <i>Len Croner</i>	Approved by Tobias Harlén <i>Tobias Harlén</i>	Date 2018-04-10
---	---	--------------------

*SWEDAC is one of the signatories to the Multilateral Agreements of the European co-operation for Accreditation (EA) and the International Laboratory Accreditation Cooperation (ILAC) for mutual recognition of calibration certificates and test reports.
This report may not be reproduced other than in full, except with the prior written approval of KEMET Electronics AB.*

KEMET Electronics AB	<i>Tel sw. board</i>	+46 (0)485 563 900	<i>Org. no</i>	556438-4252
Thörnblads väg 6	Tobias Harlén	+46 (0)485 563 905	<i>Bankgiro</i>	5440-9347
SE-386 90 FÄRJESTADEN	Len Croner	+46 (0)485 563 929	<i>Web-site</i>	www.kemet.com
SWEDEN				

Table of contents

Report no. 18037

	Page
Front	1
Table of contents	2
Head information	3
Test summary	4
Measurements uncertainties	5
Conducted disturbance test setup	6
Radiated disturbance test setup	7
Immunity test equipment	8
Emission test equipment	9
Immunity test results	
Electrostatic discharge (ESD) acc. to EN 61000-4-2	10-11
Radiated radio frequency electromagnetic field acc. to EN 61000-4-3	12
Electrical fast transient/burst acc. to EN 61000-4-4	13
Surge acc. to EN 61000-4-5	14
Induced radio frequency field acc. to EN 61000-4-6	15
Power frequency magnetic field acc. to EN 61000-4-8	16
Voltage dips and short interruptions acc. to EN 61000-4-11	17
Emission test results	
Harmonic current acc. to EN 61000-3-2	18-21
Voltage changes, fluctuations and flicker acc. to EN 61000-3-3	22
Conducted disturbance voltage	23-24
Radiated disturbance, worst-case	25-26

EMC-Lab

Head information

<i>Report no</i> 18037	<i>Date</i> 2018-04-10	<i>Prepared by</i> Len Croner
---------------------------	---------------------------	----------------------------------

<i>Customer</i> Swedstyle AB	<i>Contact person</i> Peter Jahnsén
<i>Postal address</i> Box 171, Karlavägen 38, SE-567 24 Vaggeryd, Sweden	
<i>Tel</i> +46 (0)393 363 80	<i>email</i> PJ@swedstyle.se

<i>Type of apparatus</i> Adjustable table			
<i>Type no</i> Classic 2.0 Flex 2D & 3D 2-leg			
<i>Voltage</i> 230 Vac	<i>No of phases</i> 1	<i>Current</i> A	<i>Power</i> 250 W
<input type="checkbox"/> Class I, earthed <input checked="" type="checkbox"/> Class II, double insulated <input type="checkbox"/> DC application			

<i>Tested acc to</i> Emission: EN 61000-6-3:2007, A1:2011 EN 61000-3-2:2014, EN 61000-3-3:2013 Immunity: EN 61000-6-1:2007, EN 61000-6-2:2005, EN 61000-4-2, -3, -4, -5, -6, -8, -11

<i>Test result</i> <input checked="" type="checkbox"/> Passed <input type="checkbox"/> Failed
--

Note

The test results in this report apply only to the tested sample of EUT.

Tests performed on Classic 2.0 Flex 3D with SMART neo 2 control unit. 2D and 3D version only have mechanical differences of number of segments in leg tubes,

Criteria for normal performance: No accidental movement or loss of functionality, no noticeable deviation of motor speed or loss of settings or data. Functionality verified during and after each immunity test.

Test summary

Report no. 18037

Emission according to EN 61000-6-3:2007, A1:2011			
Environmental phenomena	Basic Standard	Result	Comments
Conducted disturbance	EN 61000-6-3:2007, A1:2011	Passed	
Radiated disturbance	EN 61000-6-3:2007, A1:2011	Passed	
Harmonics	EN 61000-3-2:2014	Passed	
Flicker	EN 61000-3-3:2013	Passed	*

Immunity according to EN 61000-6-1:2007, EN 61000-6-2:2005 *				
Environmental phenomena	Basic Standard	Test specifications	Result	Comments
Electrostatic discharge (ESD)	EN 61000-4-2:2009	Contact discharge 2, 4 kV Air discharge 2, 4, 8 kV	Passed Passed	
Radiated radio-freq. electromagnetic field	EN 61000-4-3:2006 +A1:2008+A2:2010	80 - 2 700 MHz 10 V/m AM 80%, 1 kHz sinus	Passed	* Tested with + 20 %
Fast transient/burst	EN 61000-4-4:2012	Coupling network 2 kV Capacitive clamp - kV	Passed Not applicable	**
Surge	EN 61000-4-5:2014	Line to line 0.5, 1 kV Line to ground - kV	Passed Not applicable	Class II
Induced radio-freq. voltage (e.m.f.)	EN 61000-4-6:2014	0.15 - 80 MHz 10 V _{RMS} AM 80%, 1 kHz sinus	Passed	* Tested with + 20 %
Power frequency magnetic field	EN 61000-4-8:2010	30 A/m 50 Hz	Passed	*
Voltage dips and interruptions	EN 61000-4-11:2004	Residual voltage Time 0 % 20 ms 40 % 200 ms 70 % 500 ms 0 % 5 s	Passed Passed Passed Passed	

* Test not within the scope of the accreditation.

** Not applicable since the EUT does not have any external cables, or have external cables but with a lead length of less than 3 m.



EMC-Lab
FROM GOOD DESIGN
TO A SAFE PRODUCT

REPORT

SWEDSTYLE AB

Height Adjustable Desks

Product Type :

Aero, Aero 2.0
Classic, Classic 2.0
Space, Space 2.0
Delta, Delta 2.0
Quadro, Quadro 2.0
Omega, Omega 2.0

2-legs, 3-legs, 2D and 3D

Report no: 1308-004-02

	SS-EN 60335-1	2012-02-15	
	SS-EN 60335-1/A11	2014-11-19	
	SS-EN 60335-1 AC1	2014-11-29	
	SS-EN 62233	2008-06-30	
Cl.	Requirement - Test	Result	Verdict

REPORT: LVD, Low Voltage Directive.

KEMET Electronics AB
Thörnblads väg 6
SE- 386 90 Färjestaden
Sweden

Tel. +46 485 563 900, Fax. +46 485 358 05

Report No.: 1308-004-02	Date: 2017-03-08	Tested by: Lars Ekstam
----------------------------	---------------------	---------------------------

Customer: SWEDSTYLE AB	Contact person: Peter Jahnsén
Postal address: Karlavägen 38, Box 171, SE-567 24 Vaggeryd, Sweden.	
Tel.: +46 (0) 393-363 60	Fax: +46 (0) 393-124 20

Type of apparatus: Height Adjustable Desk			
Type No: Aero, Aero 2.0 Classic, Classic 2.0 Space, Space 2.0 Delta, Delta 2.0 Quadro, Quadro 2.0 Omega, Omega 2.0 2-legs, 3-legs, 2D and 3D		Manufacturing code:	
Voltage: Motor Control Box : Compact 230V 1N~ 50Hz	No. of phases: 1	Current: 5,0 A	Power: 288/360 VA
Motor Control Box : Smart 230V 1N~ 50Hz	1	2,5 A	216 VA

Tested ACC. to: SS-EN 60335-1 : 2012-02-15 SS-EN 60335-1/A11 : 2014-11-19 SS-EN 60335-1 AC1 : 2014-11-29 SS-EN 62233 : 2008-06-30
<input checked="" type="checkbox"/> Class I, earthed <input type="checkbox"/> Class II, double insulated
Note: Vertical load 125 kg. (Motor Control Box : Compact) Vertical load 100 kg. (Motor Control Box : Smart)

Measuring result: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Not approved

	SS-EN 60335-1	2012-02-15	
	SS-EN 60335-1/A11	2014-11-19	
	SS-EN 60335-1 AC1	2014-11-29	
	SS-EN 62233	2008-06-30	
Cl.	Requirement - Test	Result	Verdict

Note:

Sign:


 Lars Ekstam
Possible test case verdicts :

- test case does not apply to the test object : N(.A.)
- test object does meet the requirement : P(ass)
- test object does not meet the requirement : F(ail)

	SS-EN 60335-1	2012-02-15	
	SS-EN 60335-1/A11	2014-11-19	
	SS-EN 60335-1 AC1	2014-11-29	
	SS-EN 62233	2008-06-30	
Cl.	Requirement - Test	Result	Verdict
4	General requirement		---
	Appliances shall be constructed so that in normal use they function safely so as to cause no danger to persons or surroundings, even in the event of carelessness that may occur in normal use.		P
	In general this principle is achieved by fulfilling the relevant requirements specified in this standard and compliance is checked by carrying out all the relevant tests.		P
	The interpretations included in CLC/TR 50417 shall be taken into consideration together with the relevant requirements in the standards listed therein.		P

5	General conditions for tests		---
	Unless otherwise specified, the tests are carried out in accordance with this clause.		P
5.1	Tests according to this standard are type tests.		P
	NOTE Routine tests are described in annex A.		P
5.2	The tests are carried out on a single appliance that shall withstand all the relevant tests. However, the tests of clauses 20, 22 (except 22.11 and 22.18) to 26, 28, 30 and 31 may be carried out on separate appliances. The test of 22.3 is carried out on a new appliance.		P
	NOTE 1 Additional samples may be required if the appliance has to be tested under different conditions, for example if it can be supplied with different voltages.		N

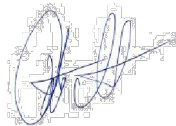
Swedstyle AB
Box 171
567 24 VAGGERYD
SWEDEN

Testing of work tables and desks according to EN 527-1, -2 (4 appendices)

Customer:	Swedstyle AB
Test object/ID:	Work table/SOLO 2.0 FLEX
Test method:	EN 527-1:2011 Office furniture - Work tables and desks – Dimensions EN 527-2:2016 Office furniture - Work tables - Safety, strength and durability requirements
Scope:	Complete test
Date of test:	2018-03-15 – 2018-05-25
Test result:	The tested object passed the test Dimensionally according EN 527-1: Type C, both for sitting only and standing only. Information for use has not been assessed
Reservation:	The test results in this report apply solely to the specimen tested
Test environment:	23 ± 2°C and 50 ± 5% relative humidity

RISE Research Institutes of Sweden AB Building Technology - Wood Technological Assessment

Performed by



Robert Almqvist

Signed by: Robert Almqvist
Reason: I am the author of this document
Date & Time: 2018-06-04 14:02:31 +02:00

Examined by



Bengt-Åke Andersson

Signed by: Bengt-Åke Andersson
Reason: I have reviewed this document
Date & Time: 2018-06-04 13:53:48 +02:00

Appendices

1. Dimensions (1 page)
2. Strength and durability(2 pages)
3. Description of test object (1 page)
3. Pictures (2 pages)

RISE Research Institutes of Sweden AB

Postal address	Office location	Phone / Fax / E-mail
Box 857	Brinellgatan 4	+46 10 516 50 00
SE-501 15 BORÅS	SE-504 62 BORÅS	+46 33 13 55 02
Sweden		info@ri.se

This report may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.