Product Compliance Datasheet

MARKETING NAME/MODEL NO……: PowerEdge R940xa

REGULATORY MODEL…..…: E54S

REGULATORY TYPE……..…: E54S001

EMC EMISSIONS CLASS…...: A

EFFECTIVE DATE[1]……..…...: May 22, 2018

REVISED DATE[2]……..…: February 2, 2023

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[1] Effective Date refer to product that is available to market (RTS/Launch)
[2] Revision Date refer to the Datasheet has been updated to capture the latest information

I. Global Environmental Information

Environmental (Voluntary Marks)		
Country	**Approval**	**Compliance**
Global	ENERGY STAR (Configuration Dependent)	*3.0*
China	CEC	Yes
Varies by Country See EPEAT.net	EPEAT (Configuration Dependent)	Refer to EPEAT.net for specific registration levels and countries

II. Declaration of Similarity

Object of the Declaration	
Product Type	4 socket server
Regulatory Model Number	E54S
Regulatory Type Number	E54S001
Trade Name/ Trademark	DELL EMC or DELL
Marketing Name(s)	PowerEdge R940xa

Dell Inc. herby declares that the products identified by the product designations listed in this declaration are strictly identical in design (shape, opening, etc.) components, materials, manufacturing process, and markings except for product designation – Trade Name and/or Trade Mark as specified in this declaration.

The products may have very minor differences which do not impact the level of conformity. All products identified by the product designations in this declaration have the same level of conformity according to the certificate(s) provided.

The Trade Name / Trademark and/or Marketing Name(s) are the property of Dell Inc.
Any differences in the product designation are for marketing purposes only.

Date of Issue	February 2, 2023	Signature on behalf of Dell Inc.	Dell Inc. Dell Global Product Compliance and Environmental Affairs
Title	Dell Global Product Compliance and Environmental Affairs		

III. Power Cords and User Documentation

Dell products are provided with the power cord and user documentation suitable for the intended country of delivery. Products that are relocated to other countries should use nationally certified power cords and plugs to ensure safe operation of the product. Contact Dell to determine if alternate power cords or user documentation in other languages is available for your market.

IV. Trade (Import/Export) Compliance Data

For any questions related to importing & exporting classification of Dell products, please obtain information from the following link: http://www.dell.com/learn/us/en/uscorp1/import-export or send email request to WW_Export_Compliance@dell.com. Please include product identifiers such as marketing name, regulatory model, regulatory type, and country that compliance information is needed in the email request.

V. Product Dimensions and Weight

Depth, mm/cm	Width, mm/cm	Height, mm/cm	Weight, kg
835.9mm	441.16mm	174.3mm	56 Kg max (depending upon installed options)

VI. Product Energy Performance Data

ErP Lot 9 information is in Appendices A respectively.

For additional information on how Dell's commitment to energy efficiency benefits you go to: Reducing your Footprint

For additional information on ENERGY STAR models refer to the following database: ENERGY STAR Product Finder

Energy Consumption[3]
Energy efficiency benefits the environment and lowers the total cost of equipment ownership by reducing power consumption. Click here for Dell's Energy efficient products.

*Energy Consumption results are based solely upon the laboratory testing of the System Configuration and in accordance to the described service level. Energy consumption is tested at 230 Volts / 50 Hz.
Product Materials Information

Information on Dell's material use is available here.
Dell's Restricted Material for Use guidance document is available here.

Mechanical plastic parts are BFR/PVC free	☒ **Yes** ☐ **No** ☐ **NA**
Marking of plastics parts is in accordance with ISO 11469 (see below)	☒ **Yes** ☐ **No** ☐ **NA**
Printed circuit boards (without components) >0.5g are BFR PVC free	☐ **Yes** ☒ **No** ☐ **NA**
Insulation materials of external electrical cables are PVC free	☐ **Yes** ☒ **No**

[3] This document is informational only and reflects laboratory performance. Your product may perform differently, depending on the software, components, and peripherals you ordered. Accordingly, the customer should not rely upon this information in making decisions about electrical tolerances or otherwise. No warranty as to accuracy or completeness is expressed or implied.
For more details visit https://www.dell.com/learn/us/en/uscorp1/dell-environment

Product is BFR/PVC Free (Accessories & Options may not be BFR/PVC-Free	☐ **Yes** ☒ **No**
Postconsumer recycled Plastics material content[4] is used in the product If yes, indicate the percentage of the postconsumer recycled material per total plastic weight of the product	☒ **Yes** ☐ **No** ☐ **NA** **__30.1%__ PCR (Post Consumer Recycled) material in total plastic of product**
Biobased Plastic material[5] content is used in the product. If yes, either indicate the percentage of the biobased plastic material per total plastic weight of the product	☐ **Yes** ☒ **No** ☐ **NA** **__0___% biobased plastic material in total plastic of product**

Flame Retardants Used in Motherboard

Part	**List the Flame Retardants**
PCB[6]	**TBBPA**

Flame Retardants Used in Mechanical Plastic Parts[7]

The external case material is Metal

Resin Material Name	**Plastic Part Marking per ISO 11469:2016**	**Flame Retardant Marking per ISO 1043-4 (i.e. FR(16), FR(40), etc.)**	**List the Flame Retardants used on (i.e. BPA, etc)**	**List applicable R-Phrase(s) or Hazard Statement(s) per EU Directive 67/548/EEG or 1272/2008**
PC/ABS,SABIC RCY6214	>PC+ABS<	FR40	Organo Phosphate	N/A

[4] This product contains x% post-consumer recycled plastic including closed loop recycled plastics (ITE-derived)* % Declaration to be the same in ENV0025 for Display & CP

[5] Bio-based plastics are fully or partially made from biological resources, rather than fossil raw materials. They are not necessarily compostable or biodegradable. It is important to examine the full life cycle of bio-based plastics, to ensure that they are beneficial to the environment beyond the reduction in use of fossil resources. This includes littering and changes in land use

[6] PCB (Printed Circuit Board) is a blank circuit board with no electronic components attached

[7] According to ISO 11469 Marking of plastics products weighing 25 grams or more must be marked. Plastic Parts weighing less than 25 grams and having adequate surface area for coding should be marked.

Mercury Information

Number of bulbs	Average per bulb
0	< mg

Additional information:

- Refer to Dell Technologies' Chemical Use Policy for more information on RoHS and REACH.
- Products MSDS (Material Safety Data Sheets):
  - Batteries: Battery MSDS Documentation and Declaration
  - Printer Toner and Ink: MSDS Documentation

VII. Packaging

Information on Dell's sustainable packaging effort available here. Additional materials restricted in Packaging as per Dell's Material Restricted for Use Standard document can be found at www.dell.com/restrictedsubstanceslist.

Packaging Materials	Total Weight, (g)	Sustainable Material Content[1] (e.g Recycled content *,bio-based, Sustainable Forested materials)	% Sustainable Material		
			APJ region	DAO region	EMEA region
Corrugated Fiberboard	3270	Recycled Content	Min 35%	Min 35%	Min 35%
LDPE (Including EPE Foam)	1040	Recycled Content	0-80%	0-80%	0%
Other, please specify: WOOD	13250				

VIII. Batteries

Below is a listing of batteries that could be present in the product:

Battery Description – Batteries	Battery Type	Battery Weight (kg)	Rating
CR-2032 coin cell	Lithium Metal	0.003	3Vdc
NVDIMM Battery (optional)	Lithium Ion	0.284	9.8Vdc,20Wh
PERC with Battery Pack (optional)	Lithium Ion	0.016	3.7Vdc,1.8Wh

IX. Design for Environment

Dell systems are, when applicable, designed for easy assembly, disassembly, and servicing.
For more information on Dell's Environmental product attributes click here.

X. Recycling / End-of-Life Service Information

Take back and recycling services are offered for this product in certain countries. If you want to dispose of system components, please visit How to Recycle | Dell Technologies US and select the relevant country.

XI. Helpful Links

- **Environmental Policy**
  https://i.dell.com/sites/csdocuments/Corporate_corp-Comm_Documents/en/dell-global-environmental-policy.pdf
- **Social Impact - Progress Made Real**
  https://corporate.delltechnologies.com/en-id/social-impact.htm
- **Advancing Sustainability**
  https://corporate.delltechnologies.com/en-us/social-impact/advancing-sustainability.htm
- **ISO 14001 Certification**
  ISO Certification Certificate Environmental 14001 (delltechnologies.com)
- **Materials Restricted for Use**
  www.dell.com/restrictedsubstanceslist
- **Chemical Use Policy**
  http://i.dell.com/sites/doccontent/corporate/environment/en/Documents/chemical-use-policy.pdf
- **Product Carbon Footprint**
  https://corporate.delltechnologies.com/en-us/social-impact/advancing-sustainability/sustainable-products-and-services/product-carbon-footprints.htm
- **RoHS Compliance**
- https://dellproductcompliance.atlassian.net/servicedesk/customer/portal/6/topic/4ef197b3-28bb-4ff8-96ce-0fcb642ecf8f/article/10289411
- **REACH Compliance**
  www.dell.com/REACH
- **Recycling Information**
  http://www.dell.com/recycling
- **Supplier Responsibility – Champion the Many People**
  https://corporate.delltechnologies.com/en-us/social-impact/advancing-sustainability/champion-the-many-people.htm

Appendix A: ErP Lot 9 Servers and Data Storage Products: Information for end-users

The EU Commission Regulation (EU) 2019/424 (ErP Lot 9) ANNEX II Section 3.0 defines the information requirements to be provided by Manufacturers. This information is documented below or via a link is provided to a free access website where the information is maintained. A reference column is included to align the information with the format in the annex of the regulation. Where the information has already been recorded in the body of the Product Compliance Datasheet a note is made to avoid duplication.
For any follow up a request should be sent to: http://support.dellproductcompliance.com

Annex II Sect 3.0	Reporting Requirement	Link to Firmware / Security Updates
	Latest available version of firmware updates is available on the Product Page for the Marketing Model of the Server Solution	https://www.dell.com/support
	Latest available version of firmware updates is available on the Product Page for the Marketing Model of the Server Solution	https://www.dell.com/support/security/

High End Configuration:

Annex II Sect 3.1	Reporting Requirement	Information Requirements / link to free access website
a.	product type	reference product compliance datasheet r
b.	manufacturer's name, registered trade name and registered trade address at which they can be contacted;	reference product compliance datasheet
c.	product model number, and if applicable the low-end performance configuration and the high-end performance configuration model numbers;	reference product compliance datasheet
d.	year of manufacture;	May, 22, 2018
e.	PSU efficiency at 10 % (if applicable), 20 %, 50 % and 100 % of rated output power,	reference ErP Lot 9 power supply table
f.	power factor at 50 % of the rated load level, with the exception of direct current servers, rounded to three decimal places	reference ErP Lot 9 power supply table
g.	PSU rated power output (Watts), rounded to the nearest integer	reference ErP Lot 9 power supply table
h.	idle state power, expressed in Watts (rounded to the first decimal place)	157.1W
i.	product model number, and if applicable the low-end performance configuration and the high-end performance configuration model numbers;	E54S, 3 additional 2600W PSU, 2.5" HDDx2, additional 32GB memory, Dual ports 10G and Quad ports 2 x 10Gb + 2 x 1Gb NIC card.
j.	maximum power, expressed in Watts (rounded to the first decimal place);	1274.3W
k.	declared operating condition class,	Operating condition class A2 [reference user manual in documentation tab on https://www.dell.com/support]
l.	idle state power (Watts) at the higher boundary temperature of the declared operating condition class,	162.5W
m.	the active state efficiency and the performance in active state of the server;	Efficiency=32.6 ; Performance =837.3
n.	secure data deletion	https://www.dell.com/support/manuals/idrac
o.	list recommended combinations with compatible chassis	None
p.	if a product model is part of a server product family, a list of all model configurations that are represented by the model shall be supplied.	All available configurations can be selected on https://www.dell.com for a particular product model

Low End Configuration:

Annex II Sect 3.1	Reporting Requirement	Information Requirement / link to free access website
e.	PSU efficiency at 10 % (if applicable), 20 %, 50 % and 100 % of rated output power,	reference ErP Lot 9 server power supply table
f.	power factor at 50 % of the rated load level, with the exception of direct current servers, rounded to three decimal places	reference ErP Lot 9 server power supply table
g.	PSU rated power output (Watts), rounded to the nearest integer	reference ErP Lot 9 server power supply table
h.	idle state power, expressed in Watts (rounded to the first decimal place)	148.9W
i.	list of all components for additional idle power allowances, if any (additional PSU, HDDs or SSDs, additional memory, additional buffered DDR channels, additional I/O devices);	E54S, 3 additional 1600W PSU, 2.5" HDDx2, additional 8GB memory, Quad ports 2 x 10Gb + 2 x 1Gb NIC card
j.	maximum power, expressed in Watts (rounded to the first decimal place);	1249.2W
k.	declared operating condition class,	Operating condition class A2 [reference user manual in documentation tab on https://www.dell.com/support]
l.	idle state power (Watts) at the higher boundary temperature of the declared operating condition class,	154.6W
m.	the active state efficiency and the performance in active state of the server;	Efficiency=33.1 ; Performance =821.4

ErP Lot 9 Server Power Supply Table (applicable for high end and low-end configurations	
Power Supply Model Number	**Link to manufacturer's efficiency report (List of 80 PLUS Certified Power Supplies)**
D750E-S3	https://www.plugloadsolutions.com/80PlusPowerSuppliesDetail.aspx?id=26&type=1
D750E-S6	
D750E-S7	
E750E-S1	
D1100E-S0	
L1100E-S1	
D1100E-S4	
D1600E-S0	
D2000E-S0	
Z2000E-S1	
D2400E-S0	
A2400E-S0	
D750E-S3	
D2600E-S1	
D1600E-S4	

Annex II Sect 3.3	Reporting Requirement	Information Requirement / link to free access website
h.	indicative weight range of the following CRMs: (a) Cobalt in the batteries. (b) Neodymium in the HDDs	Contact: http://support.dellproductcompliance.com
i.	instructions on the disassembly operations;	reference user manual in documentation tab on https://www.dell.com/support