



Product Compliance Datasheet

MARKETING NAME/MODEL NO.....: OptiPlex SFF 7020

REGULATORY MODEL.....: D17S

REGULATORY TYPE.....: D17S007

EMC EMISSIONS CLASS.....: B

EFFECTIVE DATE¹.....: February 23, 2024

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¹ Effective Date refer to product that is available to market (RTS/Launch)

I. Statement of Compliance

This product has been determined to be compliant with the applicable standards, regulations, and directives for the countries where the product is marketed. The product is affixed with regulatory marking and text as necessary for the country/agency. Dell manufacturers and markets Multimedia Equipment (MME), Information Technology Equipment (ITE), Audio Visual Equipment (A/V), Industrial, Scientific, Medical Equipment (ISM) or combinations of these. Generally, products Electromagnetic Compatibility (EMC) and Product Safety compliance is based on International IEC and CISPR standards and their national equivalent along with national standards for Radio (wireless), Telecommunications (Modem) and Energy. Dell products have been verified to comply with the Restriction of Hazardous Substances (RoHS) Directive 2011/65/EU of the European Parliament and the Council. Dell product does not contain any of the restricted substances in concentrations and applications not permitted by the RoHS Directive.

EMC Emissions Class refers to one of the following use environments:

- EMC Class B product is intended for use in residential/domestic environments but may also be used in nonresidential/non-domestic environments.
- EMC Class A product is intended for use in non-residential/non-domestic environments. Class A product may also be utilized in residential/domestic environments but may cause interference and require the user to take adequate corrective measures.

For Product Safety and EMC compliance, this product has been assigned a unique regulatory model and regulatory type that is imprinted on the product regulatory labeling to provide traceability to the regulatory approvals noted on this datasheet. This datasheet applies to any product that utilizes the assigned regulatory model and type including marketing names other than those listed on this datasheet. Dell products with the CE marking have been verified to comply with Energy Related Products (ErP) Directive 2009/125/EC of the European Parliament and of the Council. https://www.dell.com/ErP_User_Information. REACH (Registration, Evaluation, Authorization and Restriction of Chemicals), Regulation (EC) 1907/2006 of the European Parliament and of the Council is the European Union's (EU) chemical substances regulatory framework. Dell complies with the REACH regulation. For information on SVHC (Substances of Very High Concern), see www.dell.com/REACH. This products compliance documentation, such as this datasheet and the European Union Declaration of Conformity are available on the product support page, manuals tab <http://www.dell.com/support>. Additional compliance documentation for the product is available upon submitting a request at <https://support.dellproductcompliance.com> Please include product identifiers such as marketing name, regulatory model, regulatory type, and country that compliance information is needed in the email request.

Date of Issue	February 23,2024	Signature on behalf of Dell Inc.	Dell Inc. Dell Global Product Compliance and Environmental Affairs
Title	Dell Global Product Compliance and Environmental Affairs		

V. 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.

VI. 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.

VII. Product Dimensions and Weight

Depth, mm/cm	Width, mm/cm	Height, mm/cm	Weight, kg
292.8/29.28	92.6/9.26	290.0/29.0	4.084 - 5.394 (depending upon installed options)

VIII. Product Energy Performance Data

ErP Lot 3, Lot 26 and ErP Lot 9 information is in Appendices A, B and C 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](#)

Computer:

Service Level	Energy Consumption (Wattage)	BTU Calculation	Description of Service Level
CPU stressed	196.73	672.82	The system is running programs to maximize the CPU utilization and/or running programs to maximize the power consumption
Short Idle	19.085	65.27	As specified per EPA ENERGY STAR
Long Idle	2.165	7.40	As specified EPA ENERGY STAR
S3 "Sleep" or Modern Standby	2.165	7.40	S3=Suspend-to-RAM, or Modern Standby
Off/Standby	0.375	1.28	System is turned off but still connected to its AC power source.

Energy Consumption²

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.

OptiPlex Desktop:

Declared noise emission values in accordance with ISO 9296. Testing performed in compliance with ISO 7779 with operating modes defined by ECMA-74.

SSD/Integrated Graphics Configuration		
Component	Configuration	
CPU	I5-14600 RAPTOR LAKE REFRESH DT LGA B-0 65W 2.7GHz 6+8 MS2 vPro 24MB 32EU Q3J9 QS MS2	
Memory	DIMM,32GB,5600,2RX8,16,DDR5,NU	
HDD/SSD (#, capacity)	SSDR,1TB,G44,80S3,SSSTC,CA6	
RMSD (Removable Media Storage Device)	DVD+/-RW,8X,9.5T,PLDS	
Graphic Adapter	/	
Power Supply Output Wattage & Efficiency	300W	92.22%

² 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>

Operating Mode	Sound Power Declared mean A-weighted level	Sound Power Statistical adder for verification	Sound Pressure Declared mean A-weighted emission level L _{pA,m} (dB)	
	L _{WA,m} (bels)	K _V , (bels)	Operator	Bystander
Idle	2.7	0.4	17.7	16.5
HDD Operating	2.6	0.4	18.4	16.4
CPU Stressed	3.1	0.4	22.0	19.9
ODD Operating	4.5	0.4	41.0	35.0

OptiPlex Desktop: SSD/Integrated Graphics Configuration ³			
Service Level	Energy Consumption (Wattage)	BTU Calculation	Description of Service Level
CPU stressed	156.39	534.85	System is running programs to maximize CPU utilization.
Short Idle	6.877	23.52	As specified EPA Energy Star Computers
Long Idle	1.575	5.39	
Sleep	1.575	5.39	Suspend-to-RAM (low-power/sleep mode) or Modern Standby
Off	0.382	1.31	System is turned off but still connected to its AC power source.
E-TEC	25.35	86.70	Calculated annual energy consumption in kWh using conventional duty cycle

IX. 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	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Marking of plastics parts is in accordance with ISO 11469 (see below)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Printed circuit boards (without components) >0.5g are BFR PVC free	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Insulation materials of external electrical cables are PVC free	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Product is BFR/PVC Free (Accessories & Options may not be BFR/PVC-Free)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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>

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	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA 38.9 % 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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA 0 % biobased plastic material in total plastic of product

Flame Retardants Used in Motherboard

Part	List the Flame Retardants
PCB ⁶	BFR(TBBP-A)

Flame Retardants Used in Mechanical Plastic Parts⁷

The external case material is Steel(SGCC),>ABS<,>ABS(REC)<

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
ABS	>ABS<	N/A	N/A	N/A
PC+ABS-FR(40)	>PC+ABS-FR(40)<	FR(40)	Halogen Free Organic Phosphorus compounds	R43
ABS(REC)	>ABS(REC)<	N/A	N/A	N/A

Mercury Information

Number of bulbs	Average per bulb
If none, enter 0	0 mg

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.

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](#)

X. 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	910	Recycled Content	Min 35%	Min 35%	Min 35%
LDPE (Including EPE Foam)	0	Recycled Content	0-80%	0-80%	0%
Molded paper pulp	360	Recycled content	100%	100%	100%
HDPE (including thermoformed) *	0	Recycled Content	0-80%	0-80%	0%
Molded Bamboo	0	Non-wood, biobased material	100%	100%	100%
Wheat Straw	0	Non-wood, biobased material	100%	100%	100%
Mushroom	0	Non-wood, biobased material	100%	100%	100%
LDPE Bags	24	Recycled content	0%	0%	0%
EPS	0	Recycled content	0%	0%	0%
PET	0	Recycled content	0%	0%	0%
Polypropylene	0	Recycled content	0%	0%	0%
Other, please specify	0				

XI. 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	0.0032	10mA

XII. 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](#).

XIII. 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.

XIV. 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/docontent/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 3 Product Energy Consumption Information

European Union (EU) ErP Lot 3 (Commission Regulation (EC) No. 617/2013)

The ErP Lot 3 regulation includes requirements for certain product specific information to be provided by the manufacturer. This is applicable to Desktops, Integrated Desktops (All-in-One), Notebooks, Tablets, Slates, Notebook Thin Clients, Desktop Thin Clients, Workstations, Mobile Workstations, and Small-Scale Servers.

ErP Lot 3 provides certain exclusions based upon product type, screen size, and/or the amount of power consumed in idle mode. Product energy and acoustic information might be reported for products that are out of scope of ErP Lot 3 for informational purposes only.

Additional information on ErP Lot 3, Lot 7 & Lot 26 available [here](#).

Processor Speed in GHz		3.9		2.7
Number of Cores		2		14
Total Installed Memory in GB		64		64
Graphics	Select	G5	Select	G5
Category		Category B		Category D
Adders				
Total Installed Memory in GB		64		64
Memory Adder		62.00		60.00
Additional Storage Apply?	Select	Yes	Select	Yes
Additional Storage Adder		25.00		25.00
1st Discrete Graphics Type		G5		G5
1st Discrete Graphics Adder		72.00		72.00
2nd Discrete Graphics Type	Select	N/A	Select	N/A
2nd Discrete Graphics Adder		0.00		0.00
Discrete Audio Card	Select	No	Select	No
Discrete Audio Card Adder		0.00		0.00
Discrete Television Turner Card	Select	No	Select	No
Discrete Television Turner Card Adder		0.00		0.00
Category		Category B		Category D
Processor Speed in GHz		3.9		2.7
Number of Cores		2		14
Total Installed System Memory in GB		64		64
Graphics		G5		G5
WOL enabled in "Sleep" Mode	Yes	Yes	Yes	Yes
WOL enabled in "Off" Mode	No	No	No	No
As Tested: Lowest Power State		0.39		0.39
As Tested: Poff(W) WOL Disabled		0.39		0.39
As Tested: Poff(W) WOL Enabled				
As Tested: Psleep(W) WOL Disabled		2.15		2.17
As Tested: Psleep(W) WOL Enabled		2.15		2.17
As Tested: Pidle(W)		18.68		19.09
Base TEC Limit (kWh)	0	112	0	150.00
TEC Adders Limit (kWh)	0.00	159.00	0.00	157.00
Base + Adders TEC Limit (kWh)	0.00	271.00	0.00	307.00
Results TEC	0.00	68.24	0.00	69.68

Power Supply Model #	Internal or External	Link to efficiency report
L180EBS-00	Internal	https://www.clearesult.com/80plus/sites/80plus/files/manufacturer-certificate/dell-l180ebs00-160.pdf
H180EBS-00	Internal	https://www.clearesult.com/80plus/sites/80plus/files/manufacturer-certificate/dell-h180ebs00-207.pdf
D180EBS-00	Internal	https://www.clearesult.com/80plus/sites/80plus/files/manufacturer-certificate/dell-d180ebs00-189.pdf
AC180EBS-00	Internal	https://www.clearesult.com/80plus/sites/80plus/files/manufacturer-certificate/dell-ac180ebs00-144.pdf

AC180EBS-00	Internal	https://www.cleareresult.com/80plus/sites/80plus/files/manufacture-certificate/dell-ac180ebs00-144.pdf
L300EPS-01	Internal	https://www.cleareresult.com/80plus/sites/80plus/files/manufacture-certificate/dell-l300eps01-218.pdf
H300EPS-01	Internal	https://www.cleareresult.com/80plus/sites/80plus/files/manufacture-certificate/dell-h300eps01-314.pdf
D300EPS-00	Internal	https://www.cleareresult.com/80plus/sites/80plus/files/manufacture-certificate/dell-d300eps00-301.pdf
AC300EPS-01	Internal	https://www.cleareresult.com/80plus/sites/80plus/files/manufacture-certificate/dell-ac300eps01-298.pdf

* **Energy Consumption** results are based solely upon the laboratory testing of the **System Configuration** listed above. Energy consumption is tested at 230 Volts / 50 Hz.

Energy Consumption⁸

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

Declared Noise Emissions in accordance with ISO 9296. Testing performed in accordance with ISO 7779 at operating modes defined by ECMA 74. Your product may perform differently, depending on the software, components, and peripherals you ordered. No warranty as to accuracy or completeness is expressed or implied.

Computers Category B:

Service Level	Sound Power Declared mean A- weighted level	Statistical adder for verification	Sound Pressure Declared mean A- weighted emission level
	L _{WA,m} (B)	K _V (B)	L _{pA,m} (dB)
HDD Accessing	3.1	0.4	28.4
ODD Accessing	4.5	0.4	41.2
Idle	3.1	0.4	25.5

Computers Category D:

Service Level	Sound Power Declared mean A- weighted level	Statistical adder for verification	Sound Pressure Declared mean A- weighted emission level
	L _{WA,m} (B)	K _V (B)	L _{pA,m} (dB)
HDD Accessing	3.5	0.4	25.7
ODD Accessing	4.5	0.4	40.7
Idle	2.8	0.4	21.7

⁸ 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.

Appendix B: ErP Lot 26 Network Standby Energy Consumption Information

European Union (EU) ErP Lot 26 (Commission Regulation (EC) No 801/2013)

The ErP Lot 26 regulation includes Network Standby power requirements to be provided by the manufacturer. This is applicable to multiple product categories. If no information is reported, it's assumed it is out of scope of ErP Lot 26.