Product Compliance Datasheet

MARKETING NAME……: Inspiron 3581; Inspiron 3584

REGULATORY MODEL…..…..: P75F

REGULATORY TYPE……...…: P75F005

EMC EMISSIONS CLASS…...: B

EFFECTIVE DATE……..…...: January 10, 2019

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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.. 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 email request to product_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.

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II. Global Environmental Information

Environmental (Voluntary Marks)		
Country	**Approval**	**Compliance**
Global	ENERGY STAR (Configuration Dependent)	*7.0*
Japan	Green PC Label	Yes

III. Declaration of Similarity

Object of the Declaration	
Product Type	Portable Computer
Regulatory Model Number	P75F
Regulatory Type Number	P75F005
Trade Name/ Trade Mark	DELL
Marketing Name(s)	Inspiron 3581 (2sp); Inspiron 3584 (1sp)

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 / Trade Mark 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	January 10, 2019	Signature on behalf of Dell Inc.	Dell Inc. Dell Global Product Compliance and Environmental Affairs
Title	Dell Global Product Compliance and Environmental Affairs		

IV. 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.

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V. 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.

VI. Product Dimensions and Weight

Depth, mm/cm	Width, mm/cm	Height, mm/cm		Weight, kg
		Front	Rear	
380 mm	258 mm	1sp: 19.89 mm 2sp: 20.66 mm	1sp: 20.0 mm 2sp: 22.7 mm	1sp: 2.00 Kg 2sp: 2.28 Kg

For Display, Imaging products please refer to the user manual for weight and dimension information.

VII. Performance Data

ErP Lot 3 & Lot 26 information is located in section XIII Appendix A and B

For additional information on ENERGY STAR models refer to the following databases:

http://www.dell.com/learn/us/en/uscorp1/dell-environment-energy-efficiency?c=us&l=en&s=corp&cs=uscorp1

USA: https://www.energystar.gov/productfinder/

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VIII. Product Materials Information

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

- The case material is, Cover/log low: >PC+ABS-TD15FR(40)<; bezel: >PC+ABS-FR(40)<; log up: >PC+ABS-TD15FR(40)(REC)<
  - This product contains 4% post-consumer recycled plastic/closed loop recycled plastics

(Measured as a percentage of total amount of plastic (by weight) in the product as per guidance in EPEAT standard as applies to plastics parts)

Mechanical plastic parts[1] > 25 g are BFR/PVC free	☒ Yes ☐ No ☐ NA
Marking of plastics parts greater than 25 grams is in accordance with ISO 11469 (see below)	☒ Yes ☐ No ☐ NA
Printed circuit boards (without components) >25g are BFR PVC free [2]	☐ Yes ☒ No ☐ NA
Insulation materials of external electrical cables are PVC free	☐ Yes ☒ No ☐ NA
Insulation materials of internal electrical cables are PVC free	☐ Yes ☒ No ☐ NA
Product is BFR/PVC Free (Accessories & Options may not be BFR/PVC-Free, refer to spec ENV0199)	☐ Yes ☒ No

Flame Retardants Used in Motherboard

Part	Flame Retardant
Motherboard	Brominated epoxy resin 21-42% TBBPA<15%

[1] Mechanical plastic part: plastic parts that do not internally carry an electrical signal such as housings, brackets, bezels, latches, etc. that form the basic structure of the product and/or have mechanical functions. Plastic parts such as fans, connectors, printer fuser assemblies, etc. are not considered "mechanical plastic parts" in the context of this specification. Plastics parts do not contain no more than 0,1% weight (1000 ppm) bromine and 0,1% weight (1000 ppm) chlorine attributable to brominated flame retardants, chlorinated flame retardants, and polyvinyl chloride (Per Dell Spec ENV0424)

[2] Dell will adopt the BFR/CFR/PVC-free definition as set forth in the "iNEMI Position Statement on the Definition of 'Low-Halogen' Electronics (BFR/CFR/PVC-Free)." Plastic parts contain <1000 ppm (0.1 percent) of bromine (if the Br source is from BFRs) and <1000 ppm (0.1 percent) of chlorine if the Cl source is from CFRs, PVC or PVC copolymers. All printed circuit board (PCB) and substrate laminates contain bromine/chlorine totaling less than 1,500 ppm (0.15 percent), with maximum chlorine of 900 ppm (0.09 percent) and maximum bromine of 900 ppm (0.09 percent)

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Flame Retardants Used in Mechanical Plastic Parts > 25 grams

Resin Material Name	Marking per ISO 11469:2016	Flame Retardant Marking per ISO 1043-4 (i.e. FR(16), FR(40), etc.)	Flame Retardant (i.e. TBBPA, triaryl phosphate ester, etc.)	List applicable R-Phrase(s) or Hazard Statement(s) per EU Directive 67/548/EEG or 1272/2008
LCD_COVER	>PC+ABS-TD15FR(40)<	FR(40)	Halogen-free organic phosphorus compounds	NA
LCD_BEZEL	>PC+ABS-FR(40)<	FR(40)	Halogen-free organic phosphorus compounds	NA
LOG_UP	>PC+ABS-TD15FR(40)(REC)<	FR(40)	Halogen-free organic phosphorus compounds	NA
LOG_LOW	>PC+ABS-TD15FR(40)<	FR(40)	Halogen-free organic phosphorus compounds	NA

Mercury Information

Number of bulbs	Average per bulb
0	NA

Additional information:

- RoHS and REACH declaration - see product material information section at: **www.dell.com/environmental_information**
- Products MSDS (Material Safety Data Sheets)**:**

Batteries: Battery MSDS Documentation and Declaration
Printer Toner and Ink: MSDS Documentation

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IX. Packaging

Information on Dell's sustainable packaging effort available here.
Additional materials restricted in Packaging as per Dell's Restricted Material Guidance document found here.

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	421	Recycled Content	Min 35%	Min 35%	Min 35%
LDPE (Including EPE Foam)	1.1	Recycled Content	0-80%	0-80%	0%
Molded paper pulp	190	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	0	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, Non woven bag (80%PP+20%PE)	15				

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X. Batteries

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

Battery Description – Batteries	Battery Type	Battery Weight (kg)
CR-2032 coin cell (Panasonic)	Lithium	0.005 (Max)
CR-2032 coin cell (DBV)	Lithium	0.005 (Max)
CR-2032 coin cell (KTS)	Lithium	0.005 (Max)
CR-2032 coin cell (JHT)	Lithium	0.005 (Max)
CR-2032 coin cell (EVE)	Lithium	0.005 (Max)
CR-2032 coin cell (TIANQIU)	Lithium	0.005 (Max)
Rechargeable Battery 3 cell 42Wh (Simplo, Y3F7Y)	Lithium Ion	0.185 (Max)
Rechargeable Battery 3 cell 42Wh (SDI, CYMGM)	Lithium Ion	0.185 (Max)
Rechargeable Battery 3 cell 42Wh (BYD, FW8KR)	Lithium Ion	0.185 (Max)
Rechargeable Battery 3 cell 42Wh (SDI, 0FJMK)	Lithium Ion	0.190 (Max)
Rechargeable Battery 3 cell 42Wh (LGC, FDRHM)	Lithium Ion	0.190 (Max)
Rechargeable Battery 3 cell 42Wh (Simplo, VM732)	Lithium Ion	0.190 (Max)
Rechargeable Battery 3 cell 42Wh (BYD, 1VX1H)	Lithium Ion	0.190 (Max)
Rechargeable Battery 3 cell 42Wh (SWD, WJPC4)	Lithium Ion	0.190 (Max)

XI. Design for Environment

Dell systems are, when applicable, designed for easy assembly, disassembly, and servicing.
For more information on product Recyclability please visit www.dell.com/environmental_information

XII. Recycling / End-of-Life Service Information

Dell systems are, when applicable, designed for easy assembly, disassembly, and servicing.
For more information on product Recyclability please visit www.dell.com/environmental_information

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XIII. Helpful Links

- **Environmental Policy**
  http://i.dell.com/sites/content/corporate/corp-comm/en/Documents/dell-global-environmental-policy.pdf
- **Environment Website**
  www.dell.com/environmental_information
- **Corporate Sustainability Report**
  http://www.dell.com/Learn/us/en/uscorp1/report?c=us&l=en&s=corp&delphi:gr=true
- **ISO 14001 Certification**
  http://i.dell.com/sites/content/corporate/corp-comm/en/Documents/dell-iso14001-worldwide.pdf
- **Materials Restricted for Use**
  http://www.dell.com/downloads/global/corporate/environ/restricted_materials_guid.pdf
- **Chemical Use Policy**
  http://i.dell.com/sites/doccontent/corporate/environment/en/Documents/chemical-use-policy.pdf
- **Product Carbon Footprint**
  http://content.dell.com/us/en/corp/d/corp-comm/environment_carbon_footprint_products
- **RoHS Compliance**
  www.dell.com/rohsinfo
- **REACH Compliance**
  www.dell.com/REACH
- **Recycling Information**
  www.dell.com/recycling
- **Supplier Responsibility**
  http://content.dell.com/us/en/corp/d/corp-comm/standards-for-suppliers.aspx

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A 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, Computer Servers, 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.

XIII. APPENDIX A: ErP Lot 3 Product (Energy Consumption) Information			
Processor Speed in GHz	1.8	2.7	
Number of Cores	4	2	
Total Installed System Memory in GB	16	16	
Graphics	G3(with FB Data Width <= 128-bit)	Integrated	Select
Category	**Category B**	**Category A**	
Total Installed Memory in GB	16	16	
Memory Adder	4.8	4.8	
'Additional Internal Storage' means any and all internal storage devices, including hard disk drives (HDD), solid state drives (SSD) and hybrid hard drives (HHD), included within a computer beyond the first;			
Additional Internal Storage?	No	No	Select
Storage Adder	0.00	0.00	
1st Discrete Graphics Card?	G3(with FB Data Width <= 128-bit)	Integrated	Select
1st Discrete Graphics Adder	13.00	0.00	
2nd Discrete Graphics Card?	N/A	N/A	Select
2nd Discrete Graphics Adder	0.00	0.00	
'Television tuner' means a discrete internal component that allows a computer to receive television signals;			
Discrete Television Turner Card?	No	No	Select
Discrete TV Turner Card Adder	0.00	0.00	
Category	**Category B**	**Category A**	
Processor Speed in GHz	1.8	2.7	
Number of Cores	4	2	
Total Installed System Memory in GB	16	16	
Graphics	G3(with FB Data Width <= 128-bit)	Integrated	
WOL enabled in "Sleep" Mode	No	No	No
WOL enabled in "Off" Mode	No	No	No
As Tested: Lowest Power State	0.30	0.35	
As Tested: Poff(W) WOL Disabled	0.30	0.35	
As Tested: Poff(W) WOL Enabled			
As Tested: Psleep(W) WOL Disabled	0.51	0.41	
As Tested: Psleep(W) WOL Enabled	0.52	0.47	
As Tested: Pidle(W)	3.21	3.26	
Base TEC Limit (kWh)	36	27	0
TEC Adders Limit (kWh)	17.80	4.80	0.00
Base + Adders TEC Limit (kWh)	53.80	31.80	0.00
Results TEC	10.44	10.75	0.00

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Power Supply Model #	Internal or External	Link to efficiency report
HA65NS5-00	External	http://oee.nrcan.gc.ca/pml-lmp/index.cfm?action=app.formHandler&operation=details-details&ref=5470487&appliance=EPS&nr=1
LA65NS2-01	External	http://oee.nrcan.gc.ca/pml-lmp/index.cfm?action=app.formHandler&operation=details-details&ref=5485275&appliance=EPS&nr=1
HA45NM140	External	http://oee.nrcan.gc.ca/pml-lmp/index.cfm?action=app.formHandler&operation=details-details&ref=9873972&appliance=EPS&nr=1
HA45NM140	External	http://oee.nrcan.gc.ca/pml-lmp/index.cfm?action=app.formHandler&operation=details-details&ref=9873972&appliance=EPS&nr=1
LA45NM140	External	http://oee.nrcan.gc.ca/pml-lmp/index.cfm?action=app.formHandler&operation=details-details&ref=10012818&appliance=EPS&nr=1
LA45NM140	External	http://oee.nrcan.gc.ca/pml-lmp/index.cfm?action=app.formHandler&operation=details-details&ref=10012818&appliance=EPS&nr=1

* **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 Consumption*
Energy efficiency benefits the environment and lowers the total cost of product ownership by reducing power consumption. Dell offers energy calculators that help estimate power needs, potential emissions avoidance and potential cost savings. Click here for Dell's Client Energy Savings Calculator, Data Center Capacity Planner, and Monitor Power Savings Calculator. Information on Energy Efficiency is available here
* 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 www.dell.com/environmental_information

Declared Noise Emissions in accordance with ISO 9296 (tested in accordance with ISO 7779)

Computers Category A:

Service Level	Sound Power (L_{WAd}, bels) (1 bel=10 decibels, re 10^{-12} Watts)	Sound Pressure Bystander Position (L_{pAm}, decibels) (re $2x10^{-5}$ Pa)
Hard Drive Accessing	2.7	15.6
Optical Drive Accessing	5.4	34.9
Idle	2.7	15.0

Computers Category B:

Service Level	Sound Power (L_{WAd}, bels) (1 bel=10 decibels, re 10^{-12} Watts)	Sound Pressure Bystander Position (L_{pAm}, decibels) (re $2x10^{-5}$ Pa)
Hard Drive Accessing	2.9	15.3
Optical Drive Accessing	4.9	36.0
Idle	2.7	15.2

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B 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.

Network Standby Classification	LoNA
Off/Standby - Watts	0.295
Network Standby - Watts	0.581
Number of Network Ports	1
Location of 'Physical' Network Ports	Side
Network Port Type	Ethernet - RJ45
Network Port(s) Activated or Deactivated	Network Port(s) "Activated"
Network Port Maximum Performance in GB/s	100 Mbps
Communication protocol used by equipment	Ethernet - TCPIP
Description of how to assert Network Standby Mode	Information available @ www.dell.com/regulatory_compliance and/or www.dell.com/support
Sequence of events to trigger automatic assertion of Network Standby Mode	
Notes regarding operation of the equipment EX: how the user switches the equipment into network standby	
Default time for PM function to switch equipment into this mode	
Inactivity time required to enter Network Standby	
Re-activation trigger	
Measurement Method	

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