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Technical Documentation for EU regulation 2019/424 for Servers and Data Storage Products from (ErP) Directive 2009/125/EC EcoDesign Requirements for Energy Related Products

Oracle America Inc.
500 Oracle Parkway
Redwood Shores, CA 94065 USA
www.oracle.com

Product Type	Rack-mount Server
Name/Address of Manufacturer	Oracle America Inc ….
Product Model Number	X9-2 Server, all models as defined in the DoC
Compliance Model Number	WH1CL
Year of Manufacture	2020
PSU Efficiency	10% Load: 91.85%
	20% Load: 94.20%
	50% Load: 95.41%
	100% Load: 94.33%
Power Factor at 50% load	0.99
Power Supply rated power output	1200W
Idle State Power	Low-end 1 CPU Configuration: 95.8 Watts Low-end 2 CPU Configuration: 155.6 Watts
	High-end Configuration: 637.1 Watts
Additional Idle Power Allowances	Low-end - 1 CPU 1 x Intel Xeon QSX8 4314 CPU 128GB RAM 2 SSD 1 PSU Allowance No extra NIC allowance Low-end – 2 CPU 2 x Intel Xeon QSX8 4314 CPU 256GB RAM 2 SSD 1 PSU Allowance No extra NIC allowance

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	High-end 2 x Intel Xeon QVM8 606A5 CPU 2048GB RAM 2 SSD 1 PSU Allowance No extra NIC allowance
Maximum Measured Power at low-end configuration	1 CPU Configuration: 246.9 Watts 2 CPU Configuration: 438.9 Watts
Maximum Measured Power at high-end configuration	851.4 Watts
Declared Operating Condition Class	A2
Idle power consumption at high boundary of declared operating condition	Low-end 1 CPU Configuration: 101 Watts Low-end 2 CPU Configuration: 157 Watts High-end Configuration: 213 Watts
Active State Efficiency	Low-end Configuration 1 CPU: 31.7 Low-end Configuration 2 CPU: 35.2 High-end Configuration: 38.8
Products disassembly for service	Oracle products are designed to be readily disassembled for Service. See product Service Manual for details.
Content of Cobalt in batteries and Neodymium in HDDs	Cobalt weight is less than 5g Neodymium Content No HDD's in any configuration for X9-2 See Note 1
Secure deletion functionality	

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Note 1:
Oracle provides as a part of its Operating System (Oracle Linux,
and Solaris) an interface to send commands to attached storage devices.
This interface permits issuing commands to trigger secure data deletion

All Oracle storage devices respond to the Operating system commands in any one
of the following ways, to comply with the 'secure data deletion' requirement.
1. Overwriting all User blocks of data using write commands
2. Sanitize command - removing reference to User data blocks
3. Key deletion command- Changing encryption keys
In cases where Overwrite of the specific block is either not possible or not supported,
Sanitize & key deletion will be used to accomplish the secure deletion intent of the regulation.