

Product Noise Declaration in Compliance with ISO 7779 and ISO 9296

ThinkCentre M80s Gen 3

I .Configuration Information¹

Components	Typical Configuration1
FFs	SFF 8.2L
CPU	I5-12400 Alder Lake -S C-0 18MB LGA 2.5GHz 6+0 24EU 65W
Memory	32G DDR5
HDD	SATA HDD TSB Mars 3.5 2TB 7200
VGA	Onboard graphic
PSU	260W 90% PSU , Intel ADL Q670
FSC Mode	BP mode

Components	Typical Configuration2
FFs	SFF 8.2L
CPU	I5-12400 Alder Lake -S C-0 18MB LGA 2.5GHz 6+0 24EU 65W
Memory	32G DDR5
HDD	SSD SAM PM9A1 512G 2280 P-PCIe4x4 OP
VGA	Onboard graphic
PSU	260W 90% PSU , Intel ADL Q670
FSC Mode	BP mode



II.Machine Types

MT	11TF;11TG;11TK;11TL;11YX;11YY; 12A2;12A3;11WD;11WE;11WF;11WG
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III.Acoustic Noise Emissions Declaration²

Typical config1_HDD			
Stress Mode	L _{WAd} (bels)	L _{PA} m(dBA)	
		Operator	Bystander
Idle	3.2	21	19
Disk Operating	3.7	27	25

Typical config2_SSD			
Stress Mode	L _{WAd} (bels)	L _{PA} m(dBA)	
		Operator	Bystander
Idle	2.3	16	15
Disk Operating	2.4	18	16

Test Photos		
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Legend:

- L_{WAd} -Declared (upper limit) A-weighted sound power levels for a random sample of machines, in bels.
- L_{pAm} -Measured A-weighted sound pressure levels for a random sample of machines, in dBA
- Operator -Mean value of A-weighted sound pressure levels at the operator position, for a random sample of machines, in dBA. The operator position is located 0.5m away from the front of unit.
- Bystander -Mean value of A-weighted SPLs averaged over four bystander positions, for a random sample of machines, in dBA. The bystander position is located 1.0m away from the edge of unit
- Idle -Indicates idle condition (system is powered on, but no disk activity).
- Disk Operating -Indicates HDD or SSD operating condition (disk drive is randomly seeking).
- 50% CPU loading -indicate 50% of max. CPU power stressing with specified tools

Notes:

1. All test are performed according to ISO 7779 and declared according to ISO 9296.
2. The declared acoustic noise value is based on a typically configured product. If optional items be added or removed, the acoustic noise value should be changed correspondingly.

Approved by: Sophia Liu**Signed by: zhangkuo****Issued Date: 2022/1/5****IV.Appendix: CNAS 17025 certificate**

China National Accreditation Service for Conformity Assessment
LABORATORY ACCREDITATION CERTIFICATE
(Registration No. CNAS L2356)

Lenovo (Beijing) Co., Ltd. Reliability Laboratory

No.6, Chuangye Road, Shangdi, Haidian District, Beijing, China

is accredited in accordance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories(CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence to undertake the service described in the schedule attached to this certificate.

The scope of accreditation is detailed in the attached schedule bearing the same registration number as above. The schedule form an integral part of this certificate.

Date of Issue: 2016-11-30

Date of Expiry: 2023-01-18

Date of Initial Accreditation: 2005-11-30

Signed on behalf of China National Accreditation Service for Conformity Assessment

A handwritten signature in black ink, appearing to be 'Zhangkuo', is written over the text 'Signed on behalf of China National Accreditation Service for Conformity Assessment'.

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