



Sinterit Lisa X

Product specification



Lightning-fast printing with large working area

- fast printing
- a large working area
- access to the full range of materials
- open environment
- tiltable screen
- cargo-type pull-out transfer overflow bin

GENERAL

| | |
|--------------------|---|
| Technology | SLS - Selective Laser Sintering |
| Laser type | IR Fiber Coupled Diode Laser, 30W; $\lambda = 976 \pm 3$ [nm] rated to > 30,000 hrs |
| Laser scanner type | Galvo |
| Dimensions | 650x610x1200 [mm] (25.6x24.0x47.2 [in]) |
| Weight | 145 [kg] (319.7 [lbs]) |

PRINT VOLUME

| | |
|---|--|
| Max size of print diagonally ¹ | 398 [mm] (15.7 [in]) |
| Max print volume | TPU based / Flexible materials: 130x180x340 [mm] (5.1x7.1x13.3 [in]) PA / PP: 130x180x330 [mm] (5.1x6.7x13.3 [in]) |

PRINTER PARAMETERS

| | |
|----------------------------|---|
| Size of Print Bed | 150x200x350 [mm] (5.9x7.9x13.8 [in]) |
| Layer height Z (min - max) | 0.075 - 0.175 [mm] (0.003 - 0.006 [in]) |
| Build Speed | up to 14 [mm/h] (0.55 [in/h]) |

PRINT FEATURES

| | |
|-----------------------|----------------------------|
| Min. wall thickness | from 0.5 [mm] (0.020 [in]) |
| Hole diameter | from 0.5 [mm] (0.020 [in]) |
| Moving part clearance | from 0.2 [mm] (0.008 [in]) |

Information provided within this document are typical values for reference and comparison only. Parameters presented in this data sheet are subject to change. Final part properties may vary based on printed part design and print orientation. Material during tests - parameters are subject to change.



ADDITIONAL PRINTER FEATURES

| | |
|-------------------------------|---------------------------------------|
| Inert gas control system | built-in |
| Average inert gas consumption | 0.48 [m ³ /h] = 8 [l/min.] |

SOFTWARE

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|-----------------------|--------------------------------|
| Software ² | Sinterit Studio |
| Supported file types | STL, 3MF, OBJ, 3DS, FBX, DAE |
| Output file types | *.scode, *.sspf, *.sspfz |
| OS compatibility | Microsoft Windows 10 or higher |

COMMUNICATION

| | |
|-----------------|----------------------------|
| LCD screen | 9" interactive touchscreen |
| On-board camera | Built-in |
| Connectivity | WiFi / Ethernet / USB |

HEATING SYSTEM

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|--------------------------------|--|
| Independent | 4 modifiable zones: print chamber , print surface, cylinder and piston - 16 independent heating elements |
| Max temperature in the chamber | 210 [°C] / 410 [°F] |

POWER

| | |
|---------------------------|--|
| Operating voltage | 230 [V] AC, 50/60 [Hz], 7.5 [A] or 100-130 [V] AC, 50/60 [Hz], 15 [A] |
| Average power consumption | 0.8 [kW] |
| Max power consumption | 1.4 [kW] |

PACKAGING

| | |
|-----------------|--|
| Size of package | 650 x750x135 [mm] (25.6x29.5x5.3 [in]) |
| Package weight | 150 [kg] (330 [lbs]) |

WARRANTY

| | |
|-----------------|------------------|
| Warranty period | One year limited |
|-----------------|------------------|

SOFTWARE VERSIONS

| Available: | Sinterit Studio | Sinterit Studio ADVANCED |
|--|------------------------------------|-----------------------------|
| Powder profiles | PA12 Smooth, Flexa Grey only | ✓ All available |
| Possibility to use 3rd party materials | – | ✓ |
| Open Printing Parameters | – | ✓ |

¹ Max size of print diagonally depends on the type of material.

² Technical requirements to install Sinterit Studio Software: Windows 10 or higher / Minimum 500 MB of disk space / Minimum 2 GB of RAM / Graphics adapter compatible with OpenGL 3.0 or higher.

