

X-RAY SOURCE

130 kV MICROFOCUS X-RAY SOURCE L15851

FEATURES

- **Small focal spot size**
: 11 μm (8 W) - 25 μm (39 W)
- **High magnification**
FOD (Focus to object distance): 0.25 mm
Transmission target
- **Wide X-ray beam angle: 166°**
- **Support inline inspection**
- **Maintenance free**
Sealed type microfocus X-ray source



SPECIFICATIONS

GENERAL

Parameter	Description / Value	Unit
X-ray tube voltage setting range	90 to 130	kV
X-ray tube current setting range	0 to 300	μA
X-ray tube voltage operational range	90 to 130	kV
X-ray tube voltage operational range	10 to 300	μA
Maximum output	39	W
X-ray focal spot size	11 (8 W) to 25 (39 W)	μm
X-ray output window material	Diamond	—
X-ray beam angle ^①	Approx. 166	degree
Focus to object distance (FOD)	Approx. 0.25	mm
Target material	Tungsten	—
Weight	Approx. 19	kg
Communication method	Interface: RS-232C (9-pin D-sub connector)	—

RATINGS

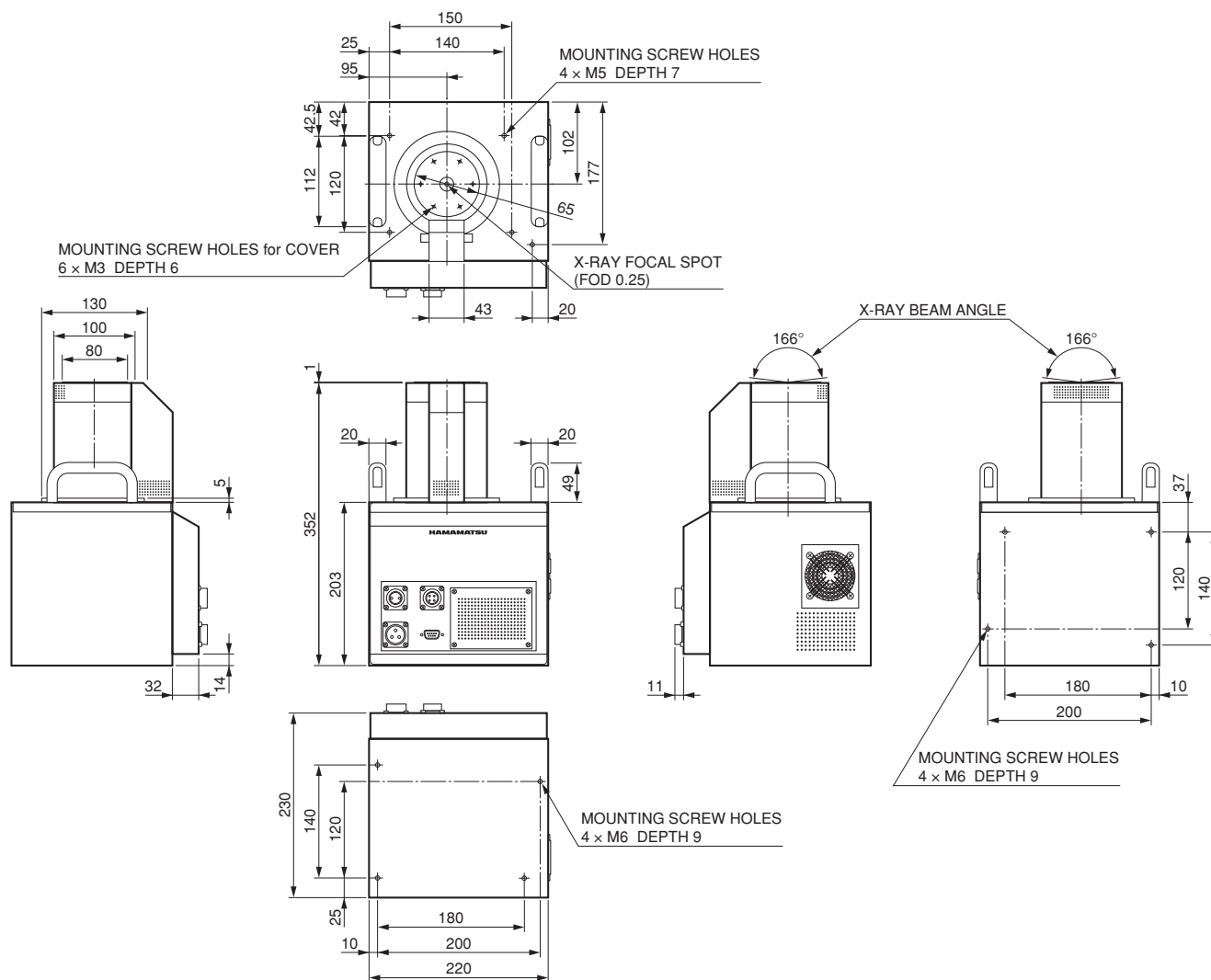
Parameter	Description / Value	Unit
Input voltage (DC)	+24	V
Power consumption	Less than 130	W
Rated output	Continuous rating	—
Operating ambient temperature	+10 to +40	°C
Storage ambient temperature	0 to +50	°C
Operating and storage ambient humidity	20 to 85 (No condensation)	%

REGULATION AND STANDARD

Parameter	Description	Unit
RoHS directive	IEC 63000	—
EMC	IEC/EN 61326-1 Emission limits: CISPR 11 Group 1 Class A Immunity requirements: Table 2	—

NOTE: ① Reference value: With 50 % of maximum X-ray emission.

DIMENSIONAL OUTLINES (Unit: mm)



⚠ PRECAUTIONS TO USE

- This microfocus X-ray source generates X-rays harmful to the human body. Use sufficient caution when handling the equipment to avoid direct or inadvertent exposure to X-rays.
- Install the X-ray source or the X-ray tube unit in an X-ray shielded cabinet or room equipped with safety interlock functions to prevent accidental exposure to X-rays.

OPERATIONAL CAUTION

- This microfocus X-ray source generates X-rays and must therefore be used only under the supervision of qualified personnel.
- This microfocus X-ray source shall be used in compliance with health and safety regulations enforced in order to prevent health hazards problems due to ionizing radiation.

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