

MICROFOCUS X-RAY TUBES

PRODUCT LINE SE

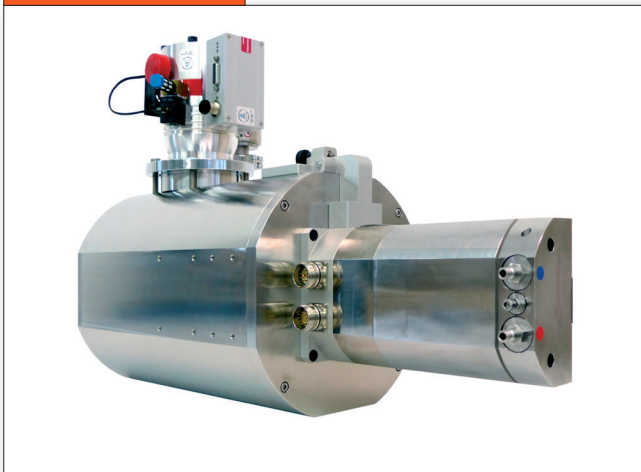
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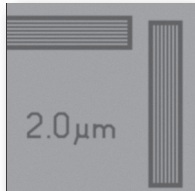
Product Image



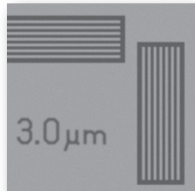
High Power Microfocus X-Ray Tube XWT-300-SE



Tube Head with Cooling



JIMA Resolution 2.0 μm ,
160kV - 240kV Tubes



JIMA Resolution 3.0 μm ,
300kV Tube

Images show options

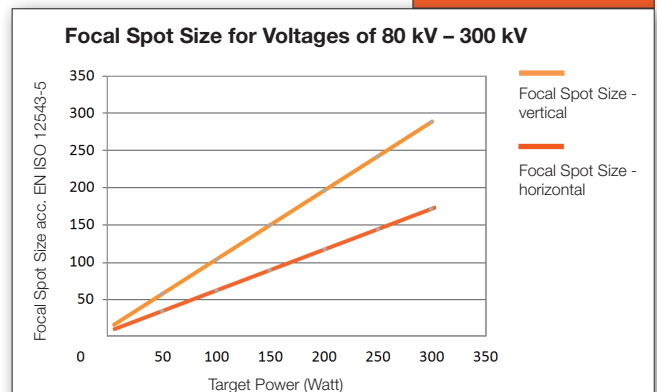
Technical Data

Data	Product Line SE				
Max. voltage (kV)	160	190	225	240	300
Min. voltage (kV)	20	20	20	20	50
Max. current (mA)	3.0	3.0	3.0	3.0	2.0
Min. current (mA)	0.05	0.05	0.05	0.05	0.05
Max. power, emission (Watt)	350	350	350	350	350
Max. power, target (Watt)	300	300	300	300	300
JIMA resolution (μm)	2.0	2.0	2.0	2.0	3.0
Tube type	Reflection				
Target type	High Power				
Target material	Tungsten				
Min. focus-object-distance (FOD, mm)	4.0	4.0	4.0	4.0	4.0
Opening angle (approx. °)	30	30	30	30	30
Mounting length incl. 90° HV plug (mm)	706	706	782	782	1136
Tube weight (approx. kg)	36	36	50	50	66

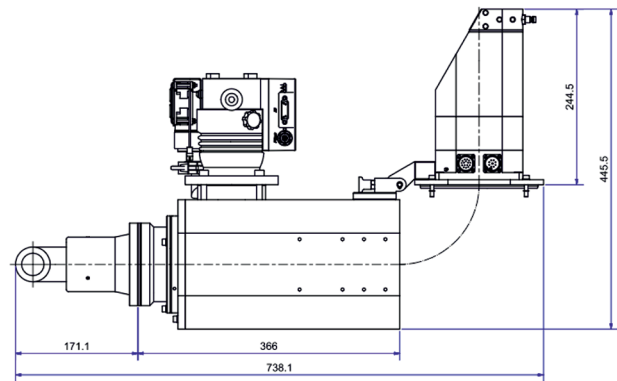
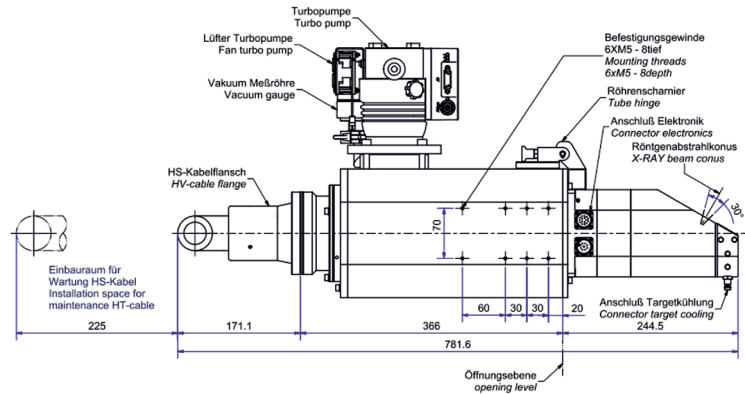
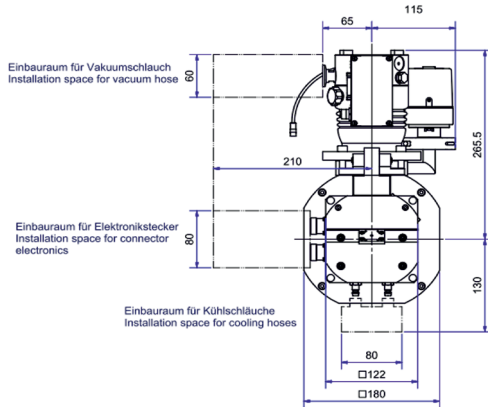
Highlights

- ▶ Ultimate tube power of 350 Watt / 300 kV
- ▶ Automatic Intensity Control (AIC) for continuous intensity of radiation
- ▶ Automatic tube calibration for optimum performance
- ▶ Easy maintenance with adjusted ready-to-use click-in cathodes and automatic tube venting
- ▶ Unlimited lifetime

Focal Spot Size



Tube Dimensions



Dimensions of XWT-225-SE / XWT-240-SE

Scope of Delivery

- ▶ Open microfocus X-ray tube with reflection target, target cooling, turbo vacuum pump, vacuum gauge, and electronic drive unit
- ▶ High voltage generator and high voltage cable
- ▶ Prevacuum pump with vacuum hose
- ▶ Cooling unit with hoses and cooling agent
- ▶ Tube controller, power supplies, and safety relays on 19" mounting panels
- ▶ Set of cables for electrical connection of X-ray tube and components
- ▶ Spare parts case, documentation, and operating software

Options and Accessories

- ▶ Cooling elements for tube head and turbo pump
- ▶ Reflection targets from various materials, like molybdenum, copper, chromium, or silver
- ▶ Filter holder (including Al and Cu filter of different thicknesses)
- ▶ 19" rack for controller and power supplies including start button and warning light
- ▶ Control computer
- ▶ Exchangeable tube head with transmission target or rod anode