

## Technical Product Data Sheet

# MICROFOCUS X-RAY TUBES

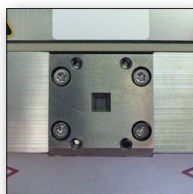
## PRODUCT LINE CT PLUS



### Product image



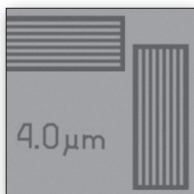
Microfocus X-ray tube XWT-300-CT Plus



XWT-300-CT Plus with  
new collimator



XWT-300-CT Plus with  
new cooling circuit



JIMA resolution 4.0 µm:  
225kV - 320kV tubes

### Technical data

Data	Product line CT Plus			
Max. voltage (kV)	225	240	300	320
Min. voltage (kV)	20	20	20	20
Max. current (mA)	3.0	3.0	3.0	3.0
Min. current (mA)	0.05	0.05	0.05	0.05
Max. power, emission (Watt)	500	500	500	500
JIMA resolution (µm)	4.0	4.0	4.0	4.0
Tube type	Reflection			
Target type	High Power			
Target material	Tungsten			
Min. focus-object-distance (FOD, mm)	8.0	8.0	8.0	8.0
Opening angle (approx. °)	40	40	40	40
Mounting length incl. 90° HV plug (mm)	800	892	926	930
Tube weight (approx. kg)	50	50	69	69

### Highlights

- ▶ Paramount tube power 500 Watt also at maximum voltage of 320 kV
- ▶ Internal cooling of the tube head and turbo pump for highest stability of focal spot position increases accuracy of CT scans
- ▶ Reduced heel effect and round focal spot by redesigned reflection target
- ▶ Automatic Intensity Control (AIC) for continuous intensity of radiation
- ▶ Unlimited lifetime

See our new catalogue **Options and Accessories** to find additional auxiliary equipment for your X-RAY WorX tube.

### Scope of delivery

- ▶ Open microfocus X-ray tube with reflection target, turbo vacuum pump, vacuum gauge, and electronic drive unit
- ▶ Internal liquid cooling of the tube head, target and turbo pump
- ▶ High voltage generator and high voltage cable
- ▶ Prevacuum pump with vacuum hose
- ▶ Peltier-type cooler with hoses and cooling agent
- ▶ Tube controller, power supplies, and safety relays on 19" mounting panels
- ▶ Collimator with filter holder (including Al, Sn, and Cu filters of different thicknesses)
- ▶ Set of cables for electrical connection of X-ray tube and components
- ▶ Spare parts case, documentation, operating software

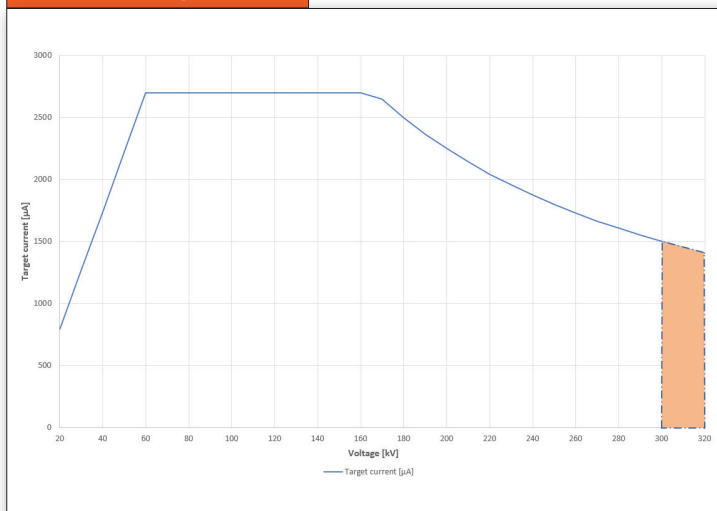
## Product Line CT Plus

### Focal spot size

		Voltage [kV]							
		60	100	150	190	225	240	300	320
Target power [W]	50	60	60	60	55	40	40	40	40
	100	110	105	100	85	80	75	75	75
	150	140	175	145	125	125	125	125	125
	200		250	190	170	170	170	170	170
	250		340	235	235	225	225	225	225
	300			300	300	285	285	285	285
	350			370	370	340	340	340	340
	400			450	450	400	400	400	400
	450				500	450	450	450	450

Focal spot sizes in microns ( $\mu\text{m}$ ) based on measurements according to *EN 12543-5*.

### Power rating chart



### Tube dimensions

