

High-Frequency X-Ray Generator

GENESIS DT



Type and Model Fluoroscopy: "F" is added HSS: "H" is added	GENESIS 30 DT	GENESIS 40 DT	GENESIS 50 DT	GENESIS 65 DT	GENESIS 80 DTH
Power	30 kW	40 kW	50 kW	65 kW	80 kW
Highspeed Starter (HSS)	No	No	No	Optional	Yes
mA/kW at 50 kV	400 mA / 20 kW	650 mA / 32.5 kW	650 mA / 32.5 kW	800 mA / 40 kW	800 mA / 40 kW
at 75 kV	400 mA / 30 kW	650 mA / 48.75 kW	650 mA / 48.75 kW	800 mA / 60 kW	800 mA / 60 kW
at 100 kV	300 mA / 30 kW	400 mA / 40 kW	500 mA / 50 kW	650 mA / 65 kW	800 mA / 80 kW
at 125 kV	250 mA / 30 kW	300 mA / 37.5 kW	400 mA / 50 kW	500 mA / 62.50 kW	600 mA / 75 kW
at 150 kV	200 mA / 30 kW	250 mA / 37.5 kW	300 mA / 45 kW	400 mA / 60 kW	450 mA / 67.5 kW
Inverter frequency	120 kHz				
kV – voltage range in steps of	40 ... 125 kV (150kV as an option) 1kV				
mA – current range in steps of	0.5 ... 650 mA Range 0.5 ... 10mA / 0.5mA Step Range 10.0 ... 100mA / 1.0mA Step Range 100.0 ... 500mA / 1.0mA Step Range 500.0 ... 600mA / 10.0mA Step		0.5 ... 800 mA Range 0.5 ... 10mA / 0.5mA Step Range 10.0 ... 100mA / 1.0mA Step Range 100.0 ... 500mA / 1.0mA Step Range 500.0 ... 800mA / 10.0mA Step		
ms – exposure time in steps of	1ms ... 6.3 s Range 1 ... 100ms / 1ms Step Range 100 ... 500ms / 5ms Step Range 500 ... 1000ms / 10ms Step Range 1000 ... 6300ms / 50ms Step				
mAs – area dose in steps of	0.5 ... 600 mAs Range 0.5 ... 10mAs / 0.5mAs Step Range 10 ... 100mAs / 1.0mAs Step Range 100 ... 500mAs / 5.0mAs Step Range 500 ... 600mAs / 10.0mAs Step				
kV – with fluoroscopy in steps of	40 120 kV 1kV				
mA – with fluoroscopy	normal 1 - 5 mA High current 5 - 20 mA pulsed 10 - 200 mA				
Imaging sequence (max. pulses/sec.)	30				
Power supply Frequency Phase number	3 x 400 VAC 50/60 Hz 3LNPE (symmetrical)				
Fuses	3 x 30 A _{slow-blow}	3 x 35 A _{slow-blow}	3 x 40 A _{slow-blow}	3 x 50 A _{slow-blow}	3 x 63 A _{slow-blow}
Peak current (full load)	65 A _{peak}	85 A _{peak}	105 A _{peak}	136 A _{peak}	168 A _{peak}
Nominal connection value	21 kVA	24 kVA	28 kVA	35 kVA	44 kVA
Resistance per phase	0.35 Ω max.	0.27 Ω max.	0.22 Ω max.	0.17 Ω max.	0.14 Ω max.



	Weight
Generator	89 kg
User Console	3.5 kg