

3CX20000H3 - industrial air-cooled triode with output power 80 kW

Electrical characteristics:

Filament Voltage	10	V
Filament Current	160	A
Amplification Factor	20	
Interelectrode capacitances		
Cga	43	pF
Cgc	70	pF
Cca	2.3	pF

Typical operation:

	1		2	
Frequency	30	MHz	30	MHz
DC Plate Voltage	7.5	kV	10	kV
DC Grid Voltage	800	V	900	V
DC Plate Current	8	A	7.9	A
DC Grid Current	1.4	A	750	mA
Plate Input Power	60	kW	78	kW
Plate Output Power	51	kW	64	kW
Plate Dissipation	9	kW	14	kW

Maximum Weight	9.1	kg
Maximum Length	268	mm
Maximum Diameter	203	mm
Operating position	vertical	
Temperature at any point on tube envelope	max 220	°C
Anode cooling	forced air	

Maximum ratings:

DC Plate Voltage	12	kV
DC Plate Current	8	A
Grid Dissipation	0.75	kW
Plate Dissipation	20	kW
Plate Output Power	80	kW

