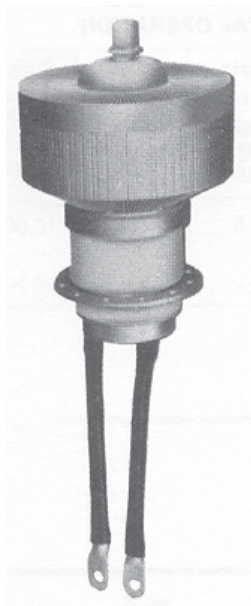


The 3CX10,000H3 is a forced air cooled, ceramic/metal, medium-mu power triode designed primarily for use in industrial radio frequency heating services. Input of 32 kW is permissible up to 90 MHz. Plentiful reserve emission is available from its 743 watt filament. The grid structure is rated at 250 watts, making this tube an excellent choice for industrial service.



## CHARACTERISTICS

Plate Dissipation (Max.)	10,000 Watts
Screen Dissipation (Max.)	---
Grid Dissipation (Max.)	250 Watts
Frequency for Max. rating (CW)	90 MHz
Amplification Factor	20
Filament/Cathode	Thoriated Tungsten
Voltage	7.5 Volts
Current	99.0 Amps
Capacitance	Grounded Cathode
Input	53.0 pf
Output	1.4 pf
Feedthrough	34 pf
Capacitance	---
Input	--- pf
Output	--- pf
Feedthrough	--- pf
Cooling	Forced Air
Base	Flexible Filament Leads
Air Socket	---
Air Chimney	---
Boiler	---
Length	17.75 in; 450.80 mm
Diameter	7.05 in; 179.10 mm
Weight	13.0 oz; 5.9 kg

Class of Operation	Type of Service	MAXIMUM RATINGS		TYPICAL OPERATION				
		Plate Voltage (Volts)	Plate Current (Amps)	Plate Voltage (Volts)	Screen Voltage (Volts)	Plate Current (Amps)	Drive Power (Watts)	Output Power (kiloWatts)
C	RF Industrial oscillator or amplifier	10,000	4.0	9,000	---	4.0	570	29.0

The values listed above represent specified limits for the product and are subject to change. The data should be used for basic information only. Formal, controlled specifications may be obtained from CPI for use in equipment design.



**For information** on this and other CPI products, visit our website at: [www.cpii.com](http://www.cpii.com), or contact: CPI MPP Division, Eimac Operations, 607 Hansen Way, Palo Alto, CA 94303  
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