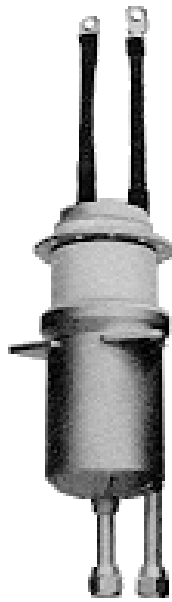


The 3CW40,000H3 is a water cooled, ceramic/metal, medium-mu power triode designed primarily for use in industrial radio frequency heating services. Its water cooled anode is conservatively rated at 40 kW of plate dissipation with low water flow and pressure drop. Input of 100 kW is permissible up to 90 MHz. Plentiful reserve emission is available from its 1600 watt filament. The grid structure is rated at 800 watts, making this tube an excellent choice for industrial service.



## CHARACTERISTICS

Plate Dissipation (Max.)	40,000 Watts
Screen Dissipation (Max.)	---
Grid Dissipation (Max.)	750 Watts
Frequency for Max. rating (CW)	90 MHz
Amplification Factor	20
Filament/Cathode	Thoriated Tungsten
Voltage	10.0 Volts
Current	160 Amps
Capacitance	Grounded Cathode
Input	70.0 pf
Output	2.3 pf
Feedthrough	43 pf
Capacitance	---
Input	--- pf
Output	--- pf
Feedthrough	--- pf
Cooling	Water and Forced Air
Base	Flexible Filament
	Leads
Air Socket	---
Air Chimney	---
Boiler	---
Length	21.23 in; 539.20 mm
Diameter	6.75 in; 171.40 mm
Weight	14.0 lb; 6.4 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	12,000	9	10,000	---	9.0	1,040	70.0

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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