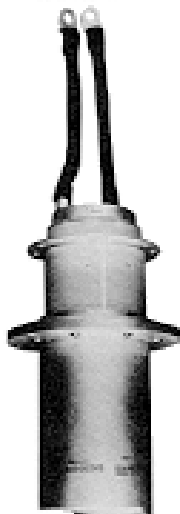


The 3CW45,000H3 is a water cooled, ceramic/metal, medium-mu power triode designed primarily for use in industrial radio frequency heating services. Its water cooled anode is conservatively rated for 45 kW of plate dissipation with low water flow and pressure drop. The removable water jacket (SK-1360 - not included), allows inspection and cleaning of cooling passages as well as reducing tube replacement cost. A glazed ceramic is used to make insulator cleaning easy. Input of 150 kW is permissible up to 75 MHz. Plentiful reserve emission is available from its 1600 watt filament. The grid structure is rated at 750 watts, making this tube an excellent choice for industrial service.



## CHARACTERISTICS

Plate Dissipation (Max.)	45,000 Watts
Screen Dissipation (Max.)	---
Grid Dissipation (Max.)	750 Watts
Frequency for Max. rating (CW)	75 MHz
Amplification Factor	30
Filament/Cathode	Thoriated Tungsten
Voltage	10.0 Volts
Current	160 Amps
Capacitance	Grounded Cathode
Input	77.0 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	19.2 in; 487.7 mm
Diameter	5.3 in; 134.6 mm
Weight	14 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	14,000	11.5	13,000	---	11.5	1450	120.0

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.



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**TELEPHONE:** 1(800) 414-8823. **FAX:** (650) 592-9988 | **EMAIL:** [powergrid@cpii.com](mailto:powergrid@cpii.com)