

The 3CX5000H3 is a forced air cooled, ceramic/metal, medium-mu power triode designed primarily for use in industrial radio frequency heating services. Input of 23.6 kW is permissible up to 90 MHz. Plentiful reserve emission is available from its 560 watt filament. The grid structure is rated at 150 watts, making this tube an excellent choice for industrial service.



CHARACTERISTICS

Plate Dissipation (Max.)	5,000 Watts
Screen Dissipation (Max.)	---
Grid Dissipation (Max.)	150 Watts
Frequency for Max. rating (CW)	90 MHz
Amplification Factor	18
Filament/Cathode	Thoriated Tungsten
Voltage	7.5 Volts
Current	74.5 Amps
Capacitance	Grounded Cathode
Input	51.0 pf
Output	1.5 pf
Feedthrough	25 pf
Capacitance	---
Input	--- pf
Output	--- pf
Feedthrough	--- pf
Cooling	Forced Air
Base	Flexible Filament Leads
Air Socket	---
Air Chimney	SK-1316
Boiler	---
Length	17.50 in; 444.50 mm
Diameter	6.45 in; 163.80 mm
Weight	10.0 lb ; 4.5 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	Grid driven RF amplifier	7,500	3.0	---	---	---	---	---
C	Grid driven RF amplifier plate modulated	5,000	2.5	---	---	---	---	---
C	RF Industrial oscillator	10,000	3.0	9,000	---	2.5	208	18.6
AB	Grid driven AF amplifier or modulator	7,500	4.0	---	---	---	---	---

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.