

Standard Band Heater Specifications

SERIES 100 (Flange lock-up)

TYPE	LEAD OR TERMINALS	OTHER DESCRIPTION
100	Studs	No Terminal Box
101	Studs	With Terminal Box 1-3/4" High
102	Studs	With Low Profile Box 1" High
103	Armor	Strain Relief Bracket Straight
104	Armor	Strain Relief Bracket 90 Deg. Bend
105	Braid	Strain Relief Bracket Straight
106	Braid	Strain Relief Bracket 90 Deg. Bend



SERIES 200 (Barrel nut clamping)

200	Studs	No Terminal Box
201	Studs	With Terminal Box 1-3/4" High
202	Studs	With Low Profile Box 1" High
203	Armor	Strain Relief Bracket Straight
204	Armor	Strain Relief Bracket 90 Deg. Bend
205	Braid	Strain Relief Bracket Straight
206	Braid	Strain Relief Bracket 90 Deg. Bend



SERIES 300 (Latch and trunnion)

300	Studs	No Terminal Box
301	Studs	With Terminal Box 1-3/4" High
302	Studs	With Low Profile Box 1" High
303	Armor	Strain Relief Bracket Straight
304	Armor	Strain Relief Bracket 90 Deg. Bend
305	Braid	Strain Relief Bracket Straight
306	Braid	Strain Relief Bracket 90 Deg. Bend



Specifications

Temperature Up to 1400 Deg. F

Watt Density Up to 45W/Sq. In.

Voltage Up to 480 V (single or three phase)

Resistance-Tolerance NEMA Standard plus 5%, Minus 10%

Wattage Tolerance NEMA Standard plus 5%, Minus 10%

Maximum Amperage 25/Circuit

Insulation Available in both standard 1/4" and insulation Plus 1/2" construction
2" dia. And up; 1-1/2" width and up (in 1/2" increments)

Terminals 1/4"-20 post terminals standard

Sheath Stainless steel

Lock-up Flange type standard

Maximum ID Consult factory

Standard width increments 1/2"

Standard gap when tightened 1/4"

Thickness w/1/4" insulation 5/8"

Thickness w/1/2" insulation 7/8"

Options

Where flexible leads in armor or braid are specified, Omega recommends the use of post terminal in box with leads off box.

IP Add if you want the "Insulation Plus"

- Armored Cable (BX)
- Braided Wire
- Leads Wire, No Braid or Armor
- Lead exiting out of edge of heater, through porcelain insulator
- Terminal Connectors on studs - Ring lugs
- Partial Coverage
- Thermocouple hole in element area
- Thermocouple hole in gap area, notched
- Inner Liner
- Twist Lock Plug on leads
- Wider than normal gap, specify
- Ground stud
- Dual Voltage - for bands 2-1/2" or more in width
- Four wire construction
- Overlapping shell on gap area

Note:

A) Latch and trunion has quick release spring loading, suggested for ceramic band with a 12" diameter or greater.

B) Terminal boxes and stud terminals are normally located 180 degrees opposite the gap.

WHEN ORDERING, PLEASE SPECIFY:

Quantity

Inside diameter & width

Voltage - on 2 piece bands we suggest each piece be rated at half the operating voltage, please specify total voltage

Wattage - on 2 piece bands please specify total wattage

Basic construction and options

Serial no. (If known or previously ordered)

Gap (if other than factory minimum)

Lead length (If other than std. 12")

Maintenance and trouble shooting for prolonging heater life

- 1. Regulate Voltage.** A 10% variation in voltage results in a 20% variation in power.
- 2. When attaching the lead wire to the terminals, excessive turning pressure can cause breakage of the terminal resistance wire.**
- 3. A ¼" gap should be maintained at the opening when operating. Retightening is not normally required, however, if the operating temperature is changed the clamp bolt should be checked.**