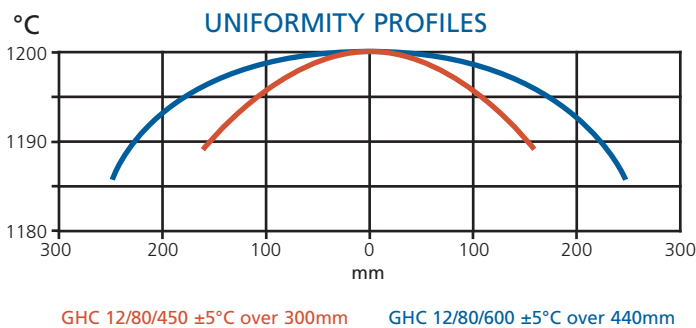




# 1200°C Large Bore Tube Furnaces



GHA 12/75/600/301



## General Features

- Maximum operating temperature of 1200°C.
- Designed to accept process tubes up to 6.5" OD.
- Six different heated lengths of 18", 24", 30", 36", 42" & 48" provide for multiple working and uniformity requirements.
- Insulating end vestibules improve chamber uniformity and incorporate interchangeable tube adapters.
- These tube adapters allow convenient conversion to different diameter process tubes.
- Long-life free radiating heating element design provides excellent radial and linear chamber uniformity.
- High efficiency low mass vacuum formed ceramic fiber insulation enhances heat-up rates.
- Carbolite large bore tube furnaces are available in single and three zone designs.
- Three zone tube furnaces provide a longer uniform temperature zone through elevation of end zone temperatures to compensate for normal end losses.
- Safety outer mesh guard provides low temperature external surface.
- Furnaces are normally mounted horizontally on an attractive support base.
- Furnace controls are built into the support base, providing convenient observation and access to all power and temperature controls.
- Each tube furnace is available for optional vertical operation.
- Vertical design is interconnected to a separate control cabinet with a 6 foot cable. (See page 43)
- Each three zone furnace incorporates three separate temperature controls to allow variation of setpoint temperature in each zone.
- GHC model end zone controllers may be slaved to the center zone or fully independent. (See page 45)
- Choice of 301 or programmable controls.
- See furnace options on pages 43-46.

1200°C Large Bore Tube Furnaces											
Furnace Model	Max. Temp. (°C)	Maximum OD Tube ✓ Inches (mm)	Heated Length Inches (mm)	Number of Zones	TC Type	Max. Power (kW)	Furnace Voltage	External Dimensions Inches (mm)			Shipping Weight (lb.)
								Height	Length	Depth	
GHA 12/450	1200	6.50 (165)	17.75 (450)	1	N	3.12	208/240	26.50 (670)	26.75 (676)	18.50 (468)	130
GHA 12/600	1200	6.50 (165)	23.50 (600)	1	N	3.90	208/240	26.50 (670)	32.50 (826)	18.50 (468)	146
GHA 12/750	1200	6.50 (165)	29.50 (750)	1	N	4.68	208/240	26.50 (670)	38.50 (976)	18.50 (468)	179
GHA 12/900	1200	6.50 (165)	35.50 (900)	1	N	5.46	208/240	26.50 (670)	44.50 (1126)	18.50 (468)	203
GHA 12/1050	1200	6.50 (165)	41.25 (1050)	1	N	6.24	208/240	26.50 (670)	50.25 (1276)	18.50 (468)	238
GHA 12/1200	1200	6.50 (165)	47.25 (1200)	1	N	7.02	208/240	26.50 (670)	56.25 (1426)	18.50 (468)	265
GHC 12/450	1200	6.50 (165)	17.75 (450)	3	N	3.12	208/240	26.50 (670)	26.75 (676)	18.50 (468)	130
GHC 12/600	1200	6.50 (165)	23.50 (600)	3	N	3.90	208/240	26.50 (670)	32.50 (826)	18.50 (468)	146
GHC 12/750	1200	6.50 (165)	29.50 (750)	3	N	4.68	208/240	26.50 (670)	38.50 (976)	18.50 (468)	179
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GHC 12/1050	1200	6.50 (165)	41.25 (1050)	3	N	6.24	208/240	26.50 (670)	50.25 (1276)	18.50 (468)	238
GHC 12/1200	1200	6.50 (165)	47.25 (1200)	3	N	7.02	208/240	26.50 (670)	56.25 (1426)	18.50 (468)	265

✓ Specify tube OD at time of order.  
Continuous operating temperature is 100°C below maximum temperature.

Specify voltage at time of order.

Furnaces operate on single phase voltage.