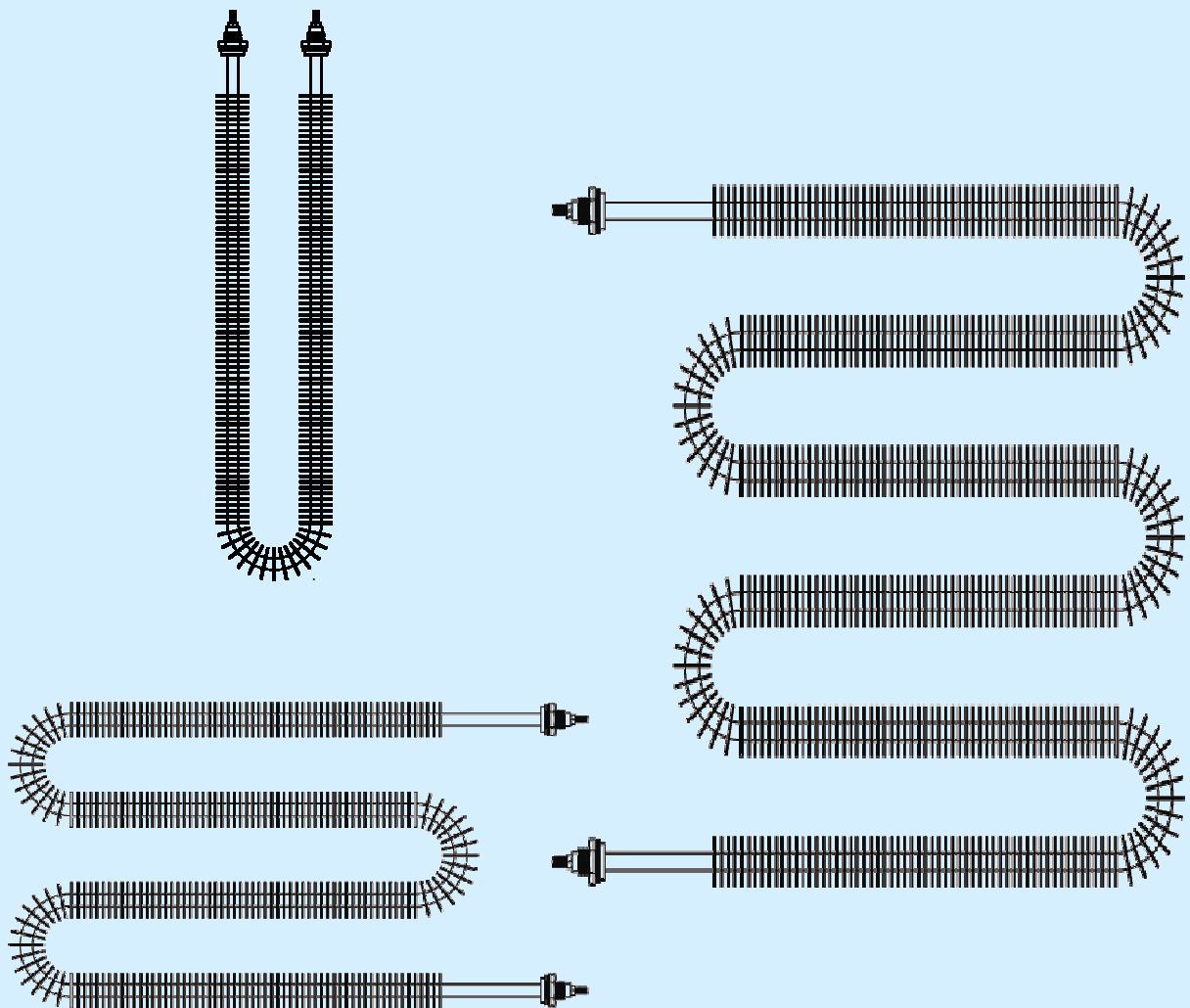


TOBIN

ELECTRICAL COMPONENTS

Stainless Steel Finned Air Heaters

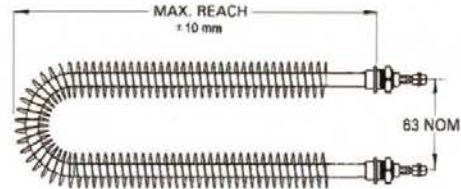


STAINLESS STEEL FINNED AIR HEATERS

WATTS DENSITY 46.5kW/m² SERIES

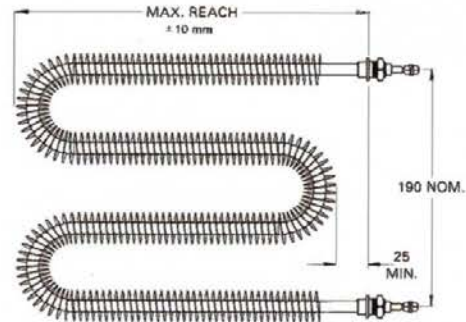
"U" FORM

Part No.	Watts	Max. Reach	Weight Kg
GW-4061-U	600	230mm	0.40
GW-4062-U	750	280mm	0.50
GW-4063-U	1000	378mm	0.60
GW-4064-U	1250	430mm	0.75
GW-4065-U	1500	534mm	1.00
GW-4066-U	1750	580mm	1.10
GW-4067-U	2000	670mm	1.25
GW-4069-U	2500	830mm	1.50
GW-4071-U	3000	980mm	1.80
GW-4072-U	3500	1164mm	2.10
GW-4073-U	4000	1280mm	2.30
GW-4074-U	4500	1468mm	2.60
GW-4075-U	5000	1580mm	2.90



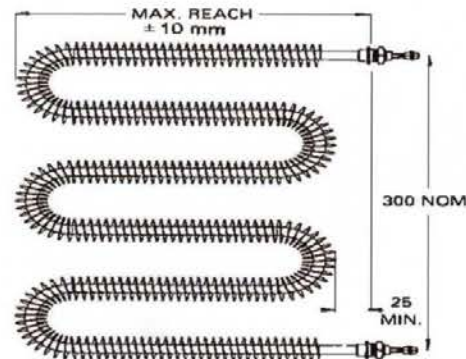
"W" FORM

Part No.	Watts	Max. Reach	Weight Kg
GW-4062-W	750	155mm	0.50
GW-4063-W	1000	205mm	0.60
GW-4064-W	1250	235mm	0.75
GW-4065-W	1500	285mm	1.00
GW-4066-W	1750	310mm	1.10
GW-4067-W	2000	365mm	1.25
GW-4069-W	2500	435mm	1.50
GW-4071-W	3000	510mm	1.80
GW-4072-W	3500	600mm	2.10
GW-4073-W	4000	660mm	2.30
GW-4074-W	4500	755mm	2.60
GW-4075-W	5000	810mm	2.90

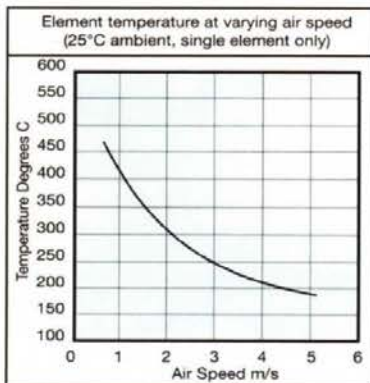


TRIPLE "U" FORM

Part No.	Watts	Max. Reach	Weight Kg
GW-4065-X	1500	200mm	1.00
GW-4066-X	1750	215mm	1.10
GW-4067-X	2000	250mm	1.25
GW-4069-X	2500	300mm	1.50
GW-4071-X	3000	350mm	1.80
GW-4072-X	3500	410mm	2.10
GW-4073-X	4000	450mm	2.30
GW-4074-X	4500	515mm	2.60
GW-4075-X	5000	550mm	2.90



Elements supplied in "U", "W" or Triple "U" Form.
Straight lengths specially manufactured on request.



Minimum recommended air velocity – 1 meter per second.
Maximum sheath temperature 400 °C at 20 °C ambient temperature.
Maximum operating temperature 100 °C in air

CONSTRUCTION

Continuous spiral stainless steel 304 fin on 11.1mm diameter stainless steel element.
Diameter over fin 31.7mm. Fin pitch 5.0mm.

FINISH

Annealed 304 stainless Steel.

MOUNTING

Stainless Steel 304 mounting bushes 3/8" BSP tig welded to element sheath.

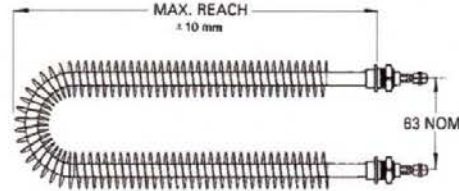
All elements are designed and manufactured to comply with the requirements of AS1668.1 and AS3102

STAINLESS STEEL FINNED AIR HEATERS

WATTS DENSITY 60kW/m² SERIES

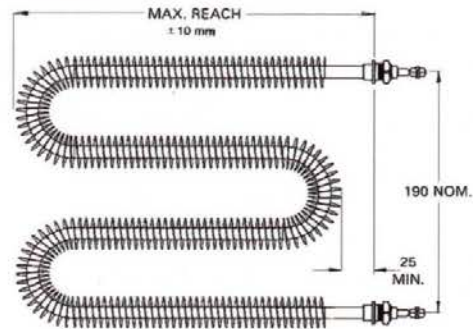
"U" FORM

Part No.	Watts	Max. Reach	Weight Kg
GW-4471-U	750	228mm	0.40
GW-4472-U	1000	283mm	0.50
GW-4473-U	1250	348mm	0.60
GW-4474-U	1500	408mm	0.70
GW-4475-U	1750	460mm	0.80
GW-4476-U	2000	528mm	1.00
GW-4477-U	2500	639mm	1.20
GW-4478-U	3000	748mm	1.40
GW-4479-U	3500	860mm	1.50
GW-4480-U	4000	975mm	1.80
GW-4481-U	4500	1110mm	2.10
GW-4482-U	5000	1237mm	2.30
GW-4483-U	6000	1455mm	2.60



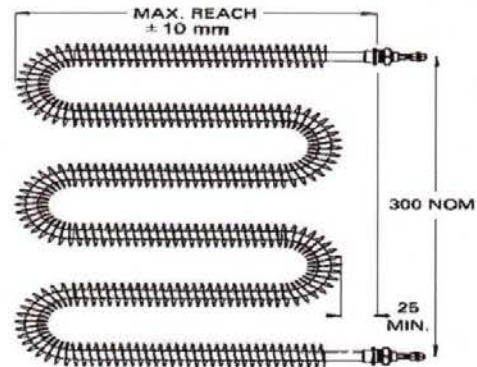
"W" FORM

Part No.	Watts	Max. Reach	Weight Kg
GW-4472-W	1000	154mm	0.50
GW-4473-W	1250	184mm	0.60
GW-4474-W	1500	218mm	0.70
GW-4475-W	1750	240mm	0.80
GW-4476-W	2000	278mm	1.00
GW-4477-W	2500	334mm	1.20
GW-4478-W	3000	384mm	1.40
GW-4479-W	3500	439mm	1.50
GW-4480-W	4000	500mm	1.80
GW-4481-W	4500	569mm	2.10
GW-4482-W	5000	632mm	2.30
GW-4483-W	6000	738mm	2.60

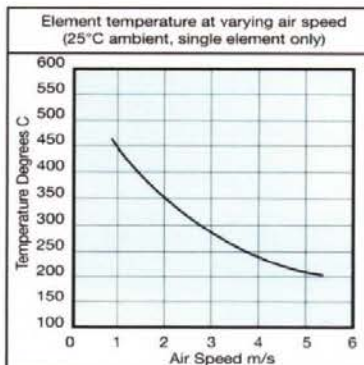


TRIPLE "U" FORM

Part No.	Watts	Max. Reach	Weight Kg
GW-4476-X	2000	198mm	1.00
GW-4477-X	2500	237mm	1.20
GW-4478-X	3000	273mm	1.40
GW-4479-X	3500	311mm	1.50
GW-4480-X	4000	349mm	1.80
GW-4481-X	4500	394mm	2.10
GW-4482-X	5000	436mm	2.30
GW-4483-X	6000	509mm	2.60



Elements supplied in "U", "W" or Triple "U" Form.
Straight lengths specially manufactured on request.



Minimum recommended air velocity – 1 meter per second.
Maximum sheath temperature 400 °C at 20 °C ambient temperature.
Maximum operating temperature 100 °C in air

CONSTRUCTION

Continuous spiral stainless steel 304 fin on 11.1mm diameter stainless steel element.
Diameter over fin 31.7mm. Fin pitch 5.0mm.

FINISH

Annealed 304 stainless Steel.

MOUNTING

Stainless Steel 304 mounting bushes 3/8" BSP tig welded to element sheath.

All elements are designed and manufactured to comply with the requirements of AS1668.1 and AS3102.

DUCT HEATERS

Tobin Electrical Components manufacture custom built duct heater banks to meet the requirements of individual air conditioning installations.

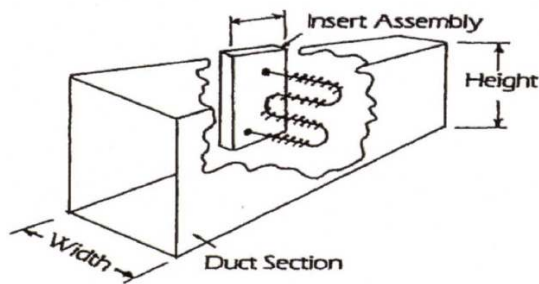
Once we are provided with full details of the job, an economic arrangement of finned elements, controls etc will be selected to comply with those requirements. Our quotation will then be forwarded to the customer for verification and approval.

Our duct assemblies are designed to be inserted in a rectangular hole cut in the side or bottom of an air duct. Element supports are used when required to ensure the units withstand sagging and vibration.

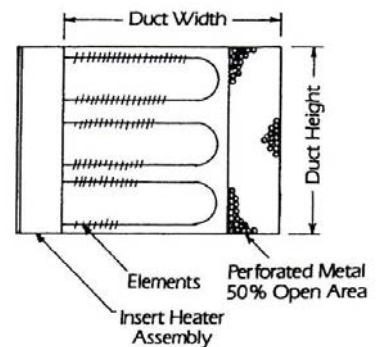
We recommend for all duct heating a minimum air velocity of 1m per second.

Job Data Required for quoting Heater Banks.

1. Nominate the element series to be fitted.
2. Size of duct and entry side the heater bank is to be fitted.
3. Total kilowatts required.
4. Number of control steps needed and whether single or three phase wiring.
5. Do you require the elements pre wired to a terminal block.
6. Is thermal insulation (6mm kao board) to be fitted to the duct face of the terminal boxes.
7. Details of controls required to be fitted to the heater banks or supplied separately.



In installations where the duct size exceeds the heater element by an excessive amount, the area past the heater should be filled with perforated metal of 50% open area. This action will maintain a uniform velocity of air across the face of the duct.



Controls

TL4 Manual Reset - Fixed set point 125°C.
Capillary length: 620mm x 6mm diameter.
Rating: 20A 240V.



Part No. TL4

7286 Manual Reset - Adjustable 60°C - 150°C.
Capillary length: 525mm, sensing bulb 66 x 6mm.
Rating: 20A 240V.



Part No. 7286



Part No. LF32-02
Air Pressure Switch
including capillary
tube and sensor nozzle.

LF32-02 Air Pressure Switch can be fitted on request.

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NSW 2190 Australia
Phone: 02 8713 5200
Fax: 02 9790 5211
Email: sales@tobins.com.au
Web: www.tobins.com.au

TOBIN
ELECTRICAL COMPONENTS