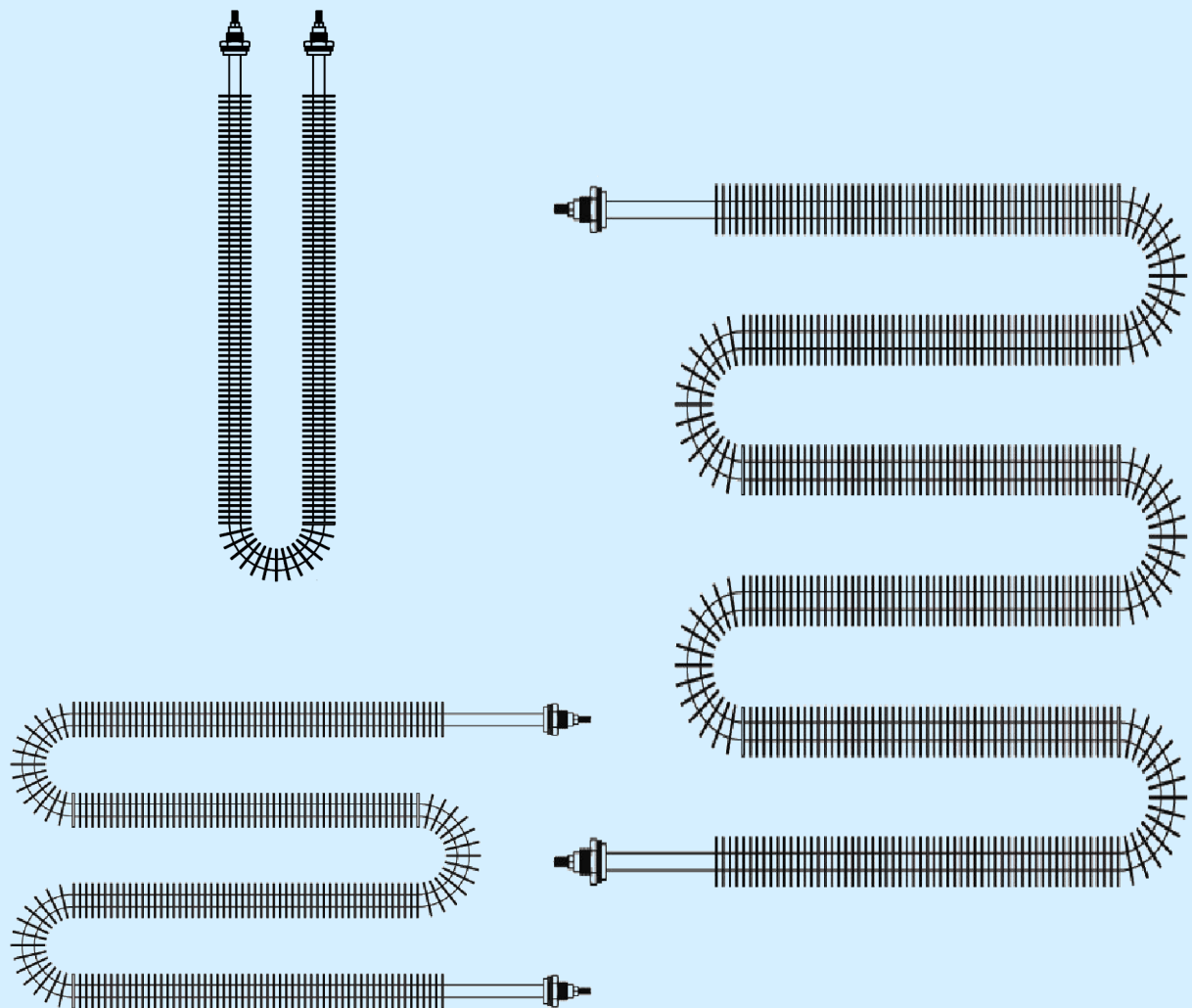


TOBIN

ELECTRICAL COMPONENTS

Stainless Steel Finned Air Heaters

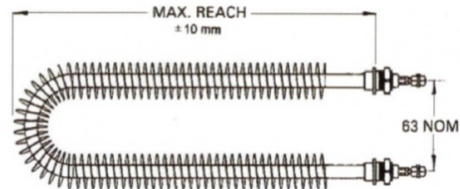


STAINLESS STEEL FINNED AIR HEATERS

WATTS DENSITY 46.5kW/m² SERIES

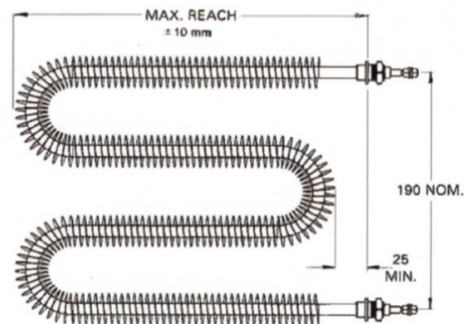
"U" FORM

| 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 |



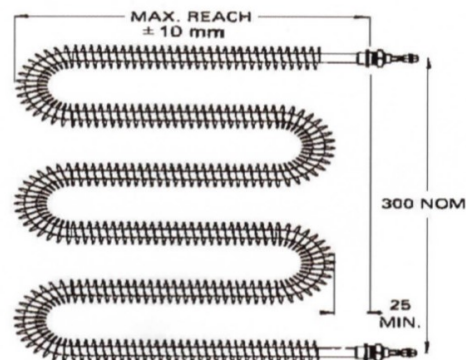
"W" FORM

| 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 |

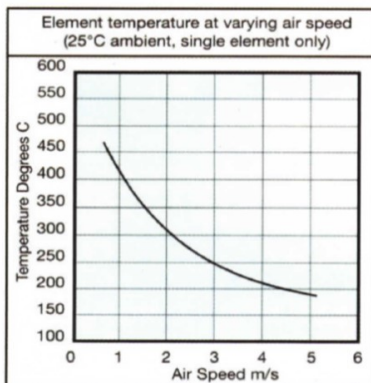


TRIPLE "U" FORM

| 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 – 1meter 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

Brass mounting bushes 3/8" BSP tig welded to element sheath.

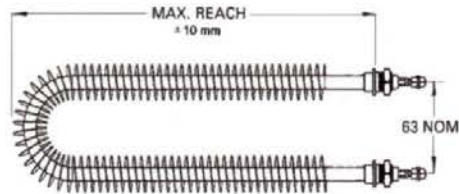
All elements are designed and manufactured to comply with the requirements of AS1668.1 and AS3102

STAINLESS STEEL FINNED AIR HEATERS

WATTS DENSITY 60kW/m² SERIES

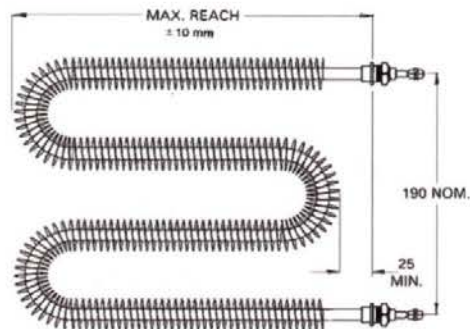
"U" FORM

| 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 |



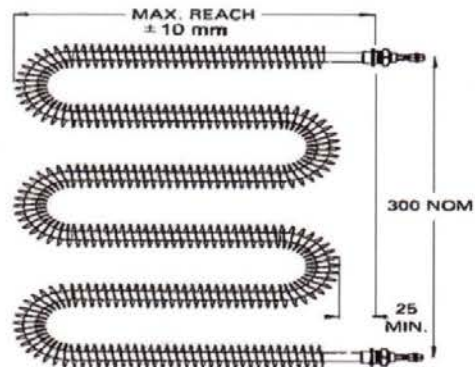
"W" FORM

| 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 |

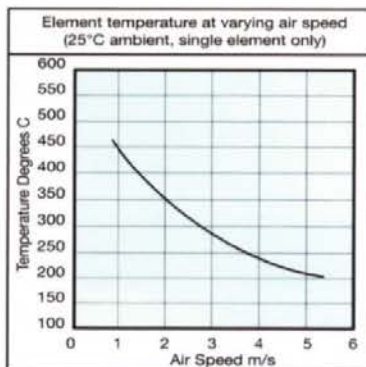


TRIPLE "U" FORM

| 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.



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

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

Brass mounting bushes 3/8" BSP tig welded to element sheath.

DUCT HEATERS

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

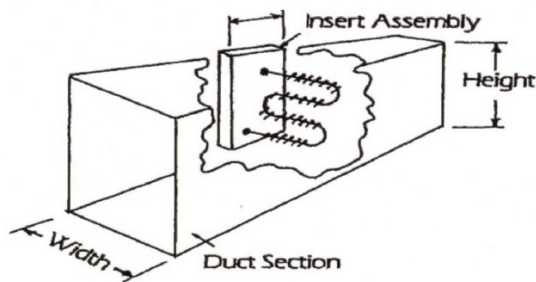
Once we are provided with full details of the job, an economic arrangement of finned elements, controls etc will be selected to comply with those requirements. Our quotation will then be forwarded to the customer for verification and approval.

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.

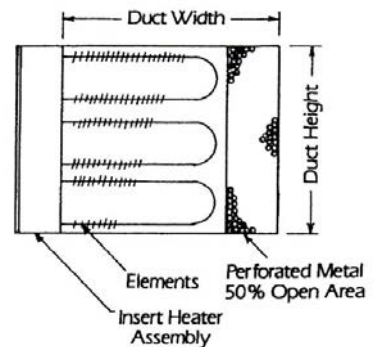
We recommend for all duct heating a minimum air velocity of 1m per second.

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**

Tobin Electrical Components Pty. Ltd
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TOBIN
ELECTRICAL COMPONENTS