



**BROUGHTON**  
**ELECTRO-AIR-PRODUCTS LTD**

UK Manufacturers of Portable Climate Control Products



1. Broughton EAP - Blowing Hot and Cold for over 30 years
2. Portable Cooling Guide
4. Monoblock Portable Air Conditioners
5. Water Cooled Split Air Conditioners
6. Air Handling Units
7. Comcool Evaporative Cooler
8. Industrial Cooling Fans
9. Portable Fume Extraction
10. Portable Heating Guide
11. Commercial Electric Space Heater
12. Industrial Electric Space Heater
13. Super Industrial Space Heater
14. Portable Event Heater
15. Carbon Fibre Quartz Electric Heater
16. 3 Phase Carbon Fiber Quartz Heater
17. Portable Electric Water Boiler
18. Industrial Dehumidifier
19. Notes

**Why Choose Broughton?** Here at Broughton we believe in building long lasting professional relationships and put the emphasis on working WITH you.

- **30 years experience** - We know our industry, our market place and our product better than anyone so let us write the marketing spiel for your catalogue or website, we'll even supply pictures
- **Quality British Built and Engineered Product** - Well built equipment that's built to last and made right here in the UK, that you don't have to order by the container load and wait weeks for
- **Get exactly what you ordered** - Had a container load of equipment that bears no resemblance to what you thought you were ordering? Not from us - what you order is what you get
- **Full sales support including technical advice** - Got a query about our equipment? Maybe a general question about air conditioning and refrigeration or simply just want to know how to spec the right unit? Just give us a call, we're here to help and with all our experience there's not much we don't know and what we can't answer probably isn't worth knowing anyway
- **Direct despatch** - We realise you might not want to put large quantities of expensive equipment into stock - so we don't ask you to. We hold stock at our premises in the Midlands and all you have to do is either email or fax an order and delivery note to us and we'll despatch directly to your customer on your paperwork
- **We'll deal with any warranty or service queries directly with the customer** - If you have someone who has a problem with one of our units then just give them our service number, ask them to give us a call and we'll take it from there
- **Rugged, well built equipment** - Our product range is built to be relied on year after year rather than give up at the first knock
- **Fully serviceable equipment** - Why replace the entire unit when you can simply change a component?
- **Full spare parts availability**
- **2 year warranty** - That's how much faith we have in the quality of our product

Customer Order Line 01527 830610  
Technical Advice 01527 830616  
E: sales@broughtoneap.co.uk  
F: 01527 527558

Accounts  
Rookery Works, Newchapel Rd  
Kidsgrove, Stoke on Trent  
Staffordshire, ST7 4SF 01782 777559

Sales & Manufacturing  
Units 24-25, Crossgate Road  
Park Farm Industrial Estate  
Redditch, B98 7SN 01527 830610

### Broughton EAP Blowing Hot & Cold for 30 years

- Charles Darwin once said 'It's not the strongest of the species that survives, nor the most intelligent. It is the one that is most adaptable to change.' This statement also holds true in industry and here at Broughton EAP we have always listened and learnt what our customers want. We've constantly reviewed our products and after sales to ensure that it's perfectly suited to the ever changing demands of the modern market place. And we've been around long enough to prove it
- We have over 30 years history in the design, development and manufacture of portable heating, cooling, drying and ventilation equipment. Our origins can be traced back through specialist weapons testing all the way to the original introduction of dehumidifiers and portable cooling equipment to the UK during the 1970's
- It's a history that includes innovation and occasionally solving the impossible as along the way our reputation for quality, innovation and knowledge has allowed us to be involved in some challenging and exciting projects. From total environmental control units for use in Afghanistan and Iraq (where daytime temperatures can reach 50°C while at night they can plummet to - 10°C) to keep troops cool during the day and warm at night, to a system for keeping blood samples cool during research into Diabetes. The most recent project was a portable heater capable of generating 100+kw of heat and a 100°C rise in a single pass to help start the giant turbines in Eon power stations.
- We've been there, done it and have the client list to prove it - from the hire fleets of HSS, Aggreko and Watkins to the catalogues of Slingsby, Arco and Cromwell Tools they all offer complete ranges from Broughton EAP. We've even supplied equipment for the UEFA Champions League final, McLaren Group and Aston Martin and it's this kind of pedigree and wealth of experience that lets us believe we can be considered among the best in the business.
- From Isambard Kingdom Brunel to Ross Brawn, the British have given the world some of the greatest and most innovative engineers and engineering. Now in the face of ever stiffening competition from foreign imports our philosophy is to offer traditional British quality at a price that can't be beaten, and the service to back it up.



Broughton MCM27, MCM20 & Cool Home Spec Sheets

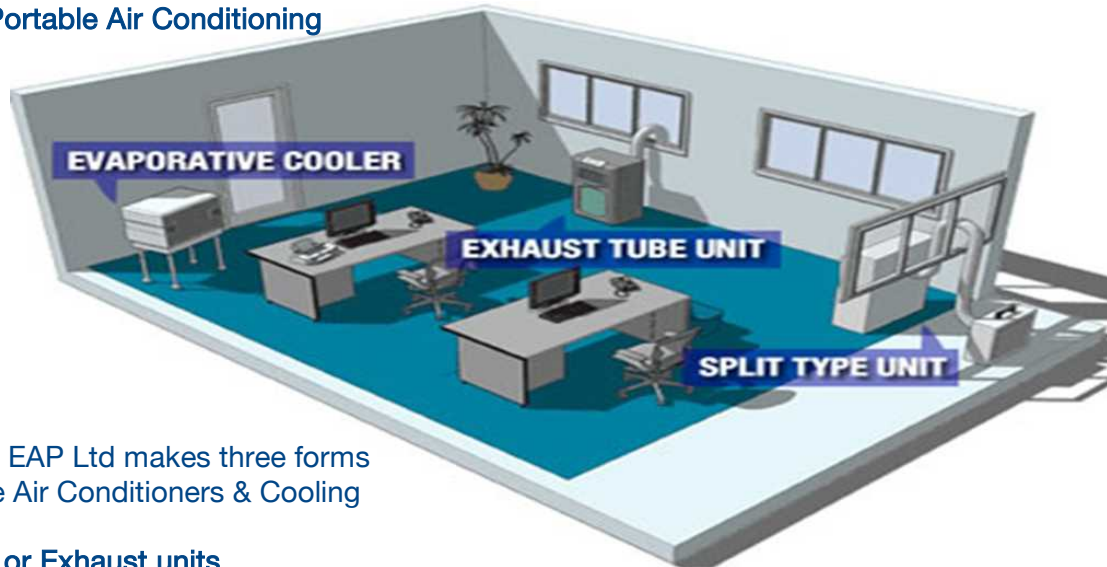
Hire Event Exhibition - 2008

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### Types of Portable Air Conditioning



Broughton EAP Ltd makes three forms of Portable Air Conditioners & Cooling

#### Monobloc or Exhaust units

This is a single unit form of PAC where both the evaporator and condenser are housed within the same machine. Most of the air processed by the unit is drawn across the evaporator coil, cooled and returned. A smaller quantity of air is used to cool the condenser coil but because it has been heated cannot be re-circulated within the room so is pumped away via ducting, usually out of a window or into a ceiling void.

#### Water cooled split units

Like fixed installation air conditioning these units come in two parts - a room unit and a heat exchanger. The two parts are connected by flexible pipes which can be extended up to 35m. With this type of system the room unit houses the evaporator coil, compressor and a special type of condenser.

The main (room) unit is placed in the area that needs cooling where the air is drawn across the evaporator, cooled and returned. The difference now is that water is used to cool the condenser rather than air. Water is circulated across the condenser but because it is a completely sealed system, the now warm water has to be pumped to the external heat exchanger unit which removes the heat using a similar process to the condenser coil in a conventional AC system.

#### Calculating the amount of cooling required

Portable Air Conditioners are specified by the amount of cooling duty they deliver in either kilowatts (kW) or British thermal units (Btu's). 1kw = 3412Btu.

Due to the huge number of variables (such as building direction, roof type, insulation type number of people and computers, windows facing the sun etc) in accurately calculating the required cooling capacity it is very difficult to give an exact answer without a site visit. You can however get close enough for most applications by using the following rules of thumb:

- Normal, Modern Offices  $\pm 46$  W per  $m^3$
- Portable Buildings  $\pm 57$  W per  $m^3$
- Tents/Marquees  $\pm 95$  W per  $m^3$

Any equipment within the area that generates heat must also be taken into consideration. Following are approximate heat generation values to be allowed for:

- PC  $\pm 150$ w
- Laser Printer  $\pm 500$ w
- Photocopier (standby)  $\pm 200$ w
- Photocopier (in use)  $\pm 1000$ w
- Fax Machine  $\pm 500$ w
- Coffee Machine  $\pm 800$ w
- TV/ Video Screen  $\pm 50$ w

### Applications for portable air conditioning equipment

It would be impossible to list all the possible uses for our PAC equipment but most tend to go into the Hire Industry, Facilities Management and Event Hire. Below is a list of some of the most popular applications:

- Offices
- Marquees
- Hotels
- Kitchens
- Data Centres
- Server Rooms
- Portable Buildings
- Laboratories
- Hospitals
- Gymnasiums
- Schools/Colleges
- Shops & Restaurants
- Exhibitions
- Oil Rigs



### Considerations for selection and installation

Once the cooling load has been determined there are several other things to be considered whilst specifying a unit. These include:

1. Where will the hot air be exhausted to? Is there a window or ceiling void that can be used?
2. Is there a 13a 230v socket within 2m (of indoor unit on split types)? The unit must also be situated without obstruction to any airflow, both in and out. PAC equipment uses large amounts of electricity and is therefore unsuitable for use with extension leads and on ring mains with other similarly power draining equipment.
3. When using a split type the room must be within 35m of an appropriate position for the heat exchanger section (It is however recommended that the line length be kept to the minimum possible). Ideally it should be positioned outside as it will expel large quantities of warm air and the condensate. If it is positioned inside then there must be a means of draining this.
4. The heat exchanger should always be placed out of direct sunlight and where it will cause the minimum amount of disruption.

### Evaporative Cooling

There are times when using portable air conditioning is either impractical, impossible or even both. By using the process of natural evaporation to provide a cool fresh stream of air evaporative coolers can often provide a useful alternative to standard PAC equipment in such applications.

The concept works in much the same way as a sea breeze. As the air passes through the damp filter it causes some of the water to evaporate which removes heat and reduces the temperature although the ambient room temperature will remain the same. This type of localised comfort cooling is called spot cooling.

Because of the constant evaporation in the process these types of unit need a constant supply of water. This also means that evaporative coolers should be used in well ventilated areas and as such are ideally suited to large, open applications such as warehouses and outdoor events.

With current environmental concerns evaporative coolers are seen as more 'green' alternative to air conditioning as they use a fraction of the power of PAC and water as opposed to refrigerants.

Some typical applications for Comcool:

- Sports halls
- Gyms
- Large factories
- Marquees
- Night clubs
- Shopping centres
- Outdoor events





Product Applications	Target Customers	Range USP
<ul style="list-style-type: none"> <li>• Offices</li> <li>• Marquees</li> <li>• Hotels</li> <li>• Kitchens</li> <li>• Data Centres</li> <li>• Server Rooms</li> <li>• Portable Buildings</li> <li>• Laboratories</li> <li>• Hospitals</li> <li>• Gymnasiums</li> <li>• Schools/Colleges</li> <li>• Shops &amp; Restaurants</li> <li>• Exhibitions</li> <li>• Oil Rigs</li> </ul>	<ul style="list-style-type: none"> <li>• Hire Companies</li> <li>• Air Conditioner Servicing &amp; Repairs</li> <li>• Food Production</li> <li>• Process Cooling</li> <li>• Computer Repairs</li> <li>• IT Consultants</li> <li>• Procurement Managers</li> <li>• Facility Management</li> <li>• Wholesalers &amp; Resellers</li> </ul>	<p>As the original UK portable cooling range Mighty Cool has a proud 30 year history of constant evolution to meet the ever changing requirements of climate control. Designed and built with the growing emphasis on energy efficiency in mind, our latest range is designed to meet 21st century requirements with the largest available cooling outputs from a 13A supply, A* efficiency ratings, ErP compliance and the pioneering use of EC fans in portable air conditioning. Made in England to the highest possible standards Mighty Cool's extensive range includes traditional monoblocs, water cooled splits and now an industrial evaporative cooler capable of producing the equivalent of 20kW of cooling from just 2A.</p>

Product Image	Product Specs	Product USP
 <p><b>MCM230</b></p>	<p>Supply 13A 230v            Typical Cooled Area 150m<sup>3</sup>            Thermostat Optional            Sound 64dbA            Cooling Ducting 2x150mm            Exhaust Ducting 300mm            Weight 86kg            Operating Range 21°C - 38°C            Dimensions 1080x530x690mm</p>	<p>The incredibly reliable and deceptively powerful MCM230 uses the very latest in EC fan technology to minimise noise and maximise efficiency. Can supply 6.7kW of chilled air to two area's at once or via 10M of ducting. Ideal for offices, data centres, events, retail and process cooling. Comes complete with 3m of exhaust duct, 1m of cooling ducting and a 2 year warranty.</p>
 <p><b>MCM280</b></p>	<p>Supply 13A 230v            Typical Cooled Area 190m<sup>3</sup>            Thermostat Yes            Sound 65dbA            Cooling Ducting 3x150mm            Exhaust Ducting 300mm            Weight 97kg            Operating Range 21°C - 38°C            Dimensions 1110x530x690mm</p>	<p>A powerful 8kW unit that uses the latest in EC fan technology to minimise sound and maximise efficiency. The MCM280 can supply chilled air to 3 area's at once or via 10m of ducting while features such as a thermostat and variable fan speed allow precise control. Ideal for offices, data centres, events, retail and process cooling. Comes with 3m of exhaust duct, 1.5m of cooling ducting, and 2 year warranty.</p>
 <p><b>MCM350</b></p>	<p>Supply 13A 230v            Typical Cooled Area 250m<sup>3</sup>            Thermostat Yes            Sound 63dbA            Cooling Ducting 200mm            Weight 130kg            Operating Range 21°C - 38°C            Dimensions 1200x970x665mm</p>	<p>The most powerful monobloc unit available delivers over 10kW of chilled air. The exhaust ducting can be extended to 10M while the optional High Pressure Airbox allows cooling for multiple area's up to 30m apart. Comes with 2.5M of exhaust duct and 2 year warranty as standard.</p>

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Product Applications	Target Customers	Range USP
<ul style="list-style-type: none"> <li>• Offices</li> <li>• Hotels</li> <li>• Kitchens</li> <li>• Data Centres</li> <li>• Server Rooms</li> <li>• Portable Buildings</li> <li>• Laboratories</li> <li>• Hospitals</li> <li>• Gymnasiums</li> <li>• Schools/Colleges</li> <li>• Shops &amp; Restaurants</li> <li>• Exhibitions</li> <li>• Oil Rigs</li> </ul>	<ul style="list-style-type: none"> <li>• Hire Companies</li> <li>• Air Conditioner Servicing &amp; Repairs</li> <li>• Food Production</li> <li>• Process Cooling</li> <li>• Computer Repairs</li> <li>• IT Consultants</li> <li>• Procurement Managers</li> <li>• Facility Management</li> <li>• Wholesalers &amp; Resellers</li> </ul>	<p>As the original UK portable cooling range Mighty Cool has a proud 30 year history of constant evolution to meet the ever changing requirements of climate control. Designed and built with the growing emphasis on energy efficiency in mind, our latest range is designed to meet 21st century requirements with the largest available cooling outputs from a 13A supply, A* efficiency ratings, ErP compliance and the pioneering use of EC fans in portable air conditioning. Made in England to the highest possible standards Mighty Cool's extensive range includes traditional monoblocs, water cooled splits and now an industrial evaporative cooler capable of producing the equivalent of 20kW of cooling from just 2A.</p>

Product Image	Product Specs	Product USP
<p><b>MCWS250</b></p> 	<p>Running Current 11A            Airflow 1450m<sup>3</sup>/hr            Thermostat Yes            Sound 60dbA            Weight 125kg            Operating Range 9°C - 38°C            Dimensions 1350x820x380mm</p>	<p>Suitable for almost any cooling application the MCWS250 offers the most efficient and effective portable air conditioning available. By using water instead of air to remove heat, the MCWS250 avoids the derating effect of the condenser in traditional air conditioning systems to deliver 7.3kW of chilled air. The main unit can be sited up to 35M from the outdoor section which allows them to be used in area's deep inside buildings or without anywhere to vent the hot air associated with monobloc systems. Comes with a 5M umbilical line and 2 year warranty as standard.</p>
<p><b>MCWS500</b></p> 	<p>Running Current 20A            Airflow 1450m<sup>3</sup>/hr            Thermostat Yes            Sound 63dbA            Weight 175kg            Operating Range 9°C - 38°C            Dimensions 1835x670x450mm</p>	<p>The MCWS500 uses a similar water system as the MCWS250 to create a massive 14.6kW of cooling. Designed with data centres and events in mind special attention has been paid to the unit dimensions and the reduced footprint allows for much greater access and manoeuvrability in tight spaces. Main unit can be sited up to 35M away from outdoor section. Comes with 5M line and 2 year warranty as standard.</p>


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Product Applications	Target Customers	Range USP
<ul style="list-style-type: none"> <li>• Offices</li> <li>• Marquees</li> <li>• Hotels</li> <li>• Kitchens</li> <li>• Data Centres</li> <li>• Server Rooms</li> <li>• Portable Buildings</li> <li>• Laboratories</li> <li>• Hospitals</li> <li>• Gymnasiums</li> <li>• Schools/Colleges</li> <li>• Shops &amp; Restaurants</li> <li>• Exhibitions</li> <li>• Oil Rigs</li> </ul>	<ul style="list-style-type: none"> <li>• Hire Companies</li> <li>• Air Conditioner Servicing &amp; Repairs</li> <li>• Food Production</li> <li>• Process Cooling</li> <li>• Computer Repairs</li> <li>• IT Consultants</li> <li>• Procurement Managers</li> <li>• Facility Management</li> <li>• Wholesalers &amp; Resellers</li> </ul>	<p>With ever greater constraints on space in places such as data centres and server rooms the AHU range has been designed using our vast experience in portable cooling equipment to minimise the amount of floor space they need. Both units feature massively reduced footprints and are small enough to fit through a standard doorway whilst the ErP compliant fans ensure maximum energy efficiency to meet and exceed modern demands. Condensate pumps, three way valves and thermostatic control are all fitted as standard and the multi speed fans include a whisper quite setting for use at events or quiet environments.</p>

Product Image	Product Specs	Product USP
	<p><b>AHU30</b>            Cooling Duty 30kW            Heating Duty 60kW            Supply 13A/230v/50Hz            Airflow 2900/2752/938m<sup>3</sup>/hr            Dimensions (H/W/D) 1840x585x425mm</p>	<p>Specially designed for use in places where space is a premium the AHU30 can deliver 30kW of cooling from a footprint of just 58.5cm*42.5cm and can be used with any existing chiller or heat pump. Thanks to it's size and weight compared to traditional 30kW units the AHU30 can be installed with just a single operative and a sack truck instead of forklifts or heavy installation gear. Multiple fan speeds and thermostatic control allow performance to be tailored to suit any application.</p>
	<p><b>AHU50</b>            Cooling Duty 50kW            Heating Duty 100kW            Supply 13A/230v/50Hz            Airflow 4800/4403/1876 m<sup>3</sup>/hr            Dimensions (H/W/D) 1840x800x425mm</p>	<p>Specially designed for use in places where space is a premium the AHU50 can deliver 50kW of cooling from a footprint of just 80cm*42.5cm and can be used with any existing chiller or heat pump. Thanks to it's size and weight compared to traditional 50kW units the AHU50 can be installed without the need for forklifts or heavy installation gear. Multiple fan speeds and thermostatic control allow performance to be tailored to suit any application.</p>




Full range of Broughton Cooling Equipment



Broughton at the ACR Show 2014

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Product Applications	Target Customers	Features and Benefits
<ul style="list-style-type: none"> <li>• Portable Buildings</li> <li>• Night Clubs</li> <li>• Large Factories</li> <li>• Gymnasiums</li> <li>• Sports Halls</li> <li>• Schools/Colleges</li> <li>• Shops &amp; Restaurants</li> <li>• Events &amp; Exhibitions</li> <li>• Marquees</li> <li>• Outdoor Events</li> </ul>	<ul style="list-style-type: none"> <li>• Hire Companies</li> <li>• Air Conditioner Servicing &amp; Repairs</li> <li>• Procurement Managers</li> <li>• Facility Management</li> <li>• Wholesalers &amp; Resellers</li> </ul>	<p>As the original UK portable cooling range Mighty Cool has a proud 30 year history of constant evolution to meet the ever changing requirements of climate control. Designed and built with the growing emphasis on energy efficiency in mind, our latest range is designed to meet 21st century requirements with the largest available cooling outputs from a 13A supply, A* efficiency ratings, ErP compliance and the pioneering use of EC fans in portable air conditioning. Made in England to the highest possible standards Mighty Cool's extensive range includes traditional monoblocs, water cooled splits and now an industrial evaporative cooler capable of producing the equivalent of 20kW of cooling from just 2A.</p>

Product Image	Product Specs	Product USP
 <p><b>Comcool</b></p>	<p><b>Equivalent Cooling Duty</b> 20kW / 71000 BTU <b>Running Current</b> 2A <b>Airflow</b> 5165m<sup>3</sup> <b>Dimensions</b> 1660x640x500mm <b>Supply</b> 230v 13A <b>Weight (empty)</b> 100kg <b>Tank Capacity</b> 90 litre <b>Multiple fan speeds</b> <b>Recessed controls</b> <b>Mains Cable pocket</b> <b>Locking castors</b></p>	<p>A large volume, heavy duty evaporative cooler capable of producing an equivalent 20kW of cooling from as little as 2A. Comcool can be fed directly from a tap or via the internal 90l tank and is ideal for large open spaces such as warehouses or outdoors where traditional air conditioning is not an option. Other features include a diaphragm pump, water filter, locking castors and tank purge system.</p>






**NEW**

- Mains water connector
- Manual fill cap
- Tank empty point
- Recessed control panel with tank purge button
- Filter
- Diaphragm pump
- Cable pocket

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Product Applications	Target Customers	Range USP
<ul style="list-style-type: none"> <li>• Spot cooling</li> <li>• Warehouses</li> <li>• Process Cooling</li> <li>• Event hire</li> <li>• Factories</li> <li>• Gymnasiums</li> <li>• Retail</li> <li>• Shops</li> <li>• Suitable for most Commercial and Industrial Applications</li> <li>• Set of pop videos</li> </ul>	<ul style="list-style-type: none"> <li>• Construction Firms</li> <li>• Procurement Managers</li> <li>• Facility Management</li> <li>• Wholesalers &amp; Resellers</li> <li>• Fire &amp; Flood Restoration</li> <li>• Storage Companies</li> </ul>	<p>Europe's #1 range of man coolers are powerful, high performance fans designed to provide unrivalled amounts of air movement for cooling and ventilation. Mighty Breeze fans combine a tough ABS plastic body to give them the impact resistance demanded for industrial applications and a stylish appearance suited to more subtle applications such as events and retail. These adaptable fans come in two separate sizes, both available in 110V or 240V and with three separate fan speeds allowing them to be tailored to almost any ventilation requirement.</p>

Product Image	Product Specs	Product USP	Product Description
<p><b>MB30</b></p> 	<p>Height 625mm Width 550mm Depth 225mm Weight 10kg</p>	<ul style="list-style-type: none"> <li>• 110v or 230v</li> <li>• Powerful sickle bladed motor</li> <li>• Variable Speed</li> <li>• Quiet operation</li> <li>• Tough ABS body</li> <li>• Can be ducted</li> </ul>	<p>While tough enough for industry this powerful fan also utilises a 4 pole motor and stylish looks to give the discretion required for more subtle applications in retail and events. Available in both 110V and 230V and is ideal for either ventilation or cooling.</p>
<p><b>MB50</b></p> 	<p>Height 830mm Width 800mm Depth 280mm Weight 18kg</p>	<ul style="list-style-type: none"> <li>• Europe's no.1 man cooler</li> <li>• 110v or 230v</li> <li>• Powerful sickle bladed motor</li> <li>• Variable Speed</li> <li>• Quiet operation</li> <li>• Tough ABS body</li> <li>• Can be ducted</li> </ul>	<p>Europe's #1 man cooler fan has a tough, stylish, ABS body and very powerful 4 pole motor to reduce noise. The MB50 regularly finds homes in distribution warehouses, hire fleets and even aeroplane wing manufacturing plants. Available in both 110V or 230V and is ideal for either ventilation or cooling.</p>
<p><b>MB2000</b></p> 	<p>Airflow 14,400m<sup>3</sup>/hr Height 870mm Width 550mm Depth 770mm Weight 61kg</p>	<ul style="list-style-type: none"> <li>• Awesome 14,400m<sup>3</sup>/hr airflow</li> <li>• 110V or 230v</li> <li>• Can vent or cool</li> <li>• Powerful motor</li> <li>• Lockable castors</li> <li>• Can be ducted</li> </ul>	<p>Our most powerful fan in a tough steel body with locking castors. Capable of generating 14,400m<sup>3</sup>/hr at 480pa with directional head that can be locked into position. Available in both 110V or 230V and is ideal for either ventilation or cooling.</p>

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Product Applications	Target Customers	Range USP
<p>Ideal for removing fumes from:</p> <ul style="list-style-type: none"> <li>• Welding bays</li> <li>• Warehouses</li> <li>• Tunnels</li> <li>• Basements</li> <li>• Chemical laboratories</li> <li>• Suitable for most Commercial and Industrial applications</li> <li>• Anywhere where fumes are a problem</li> </ul>	<ul style="list-style-type: none"> <li>• Powder Coaters</li> <li>• Construction Firms</li> <li>• Procurement Managers</li> <li>• Facility Management</li> <li>• Chemical Companies</li> <li>• Wholesalers &amp; Resellers</li> </ul>	<p>The VF range of industrial extractor fans boasts 1.5mm steel bodies, aluminium housed motors for excellent heat dissipation and sickle bladed fans to maximise airflow and pressure and allow them to duct 20M. With various outputs up to 14,400m<sup>3</sup>/hr and available in 110V and 230V there's an option to suit just about any requirement. Hard wearing plastic coated ducting is also available in 10M lengths and comes with a built in rope tie for securing to the unit.</p>

Product Image	Product Specs	Optional Extras
<p><b>VF250</b></p> 	<ul style="list-style-type: none"> <li>• Diameter 250mm</li> <li>• Supply 110v/16A or 240v/13A</li> <li>• Running Current 110v 3.4 amps / 230v 0.8 amps</li> <li>• Airflow 2580m<sup>3</sup>/hr</li> <li>• Static Pressure 294pa</li> <li>• Weight 12kG</li> <li>• Dimensions 35cm x 27cm x 29cm</li> </ul>	<p>Ducting</p>  <p>250mm 10 metre</p>
<p><b>VF300</b></p> 	<ul style="list-style-type: none"> <li>• Diameter 300mm</li> <li>• Supply 110v/16A or 240v/13A</li> <li>• Running Current 110v 4 amps / 230v 1.2 amps</li> <li>• Airflow 3600m<sup>3</sup>/hr</li> <li>• Static Pressure 343pa</li> <li>• Weight 14kG</li> <li>• Dimensions 44cm x 37cm x 40cm</li> </ul>	<p>Ducting</p>  <p>300mm 10 metre</p>
<p><b>VF400</b></p> 	<ul style="list-style-type: none"> <li>• Diameter 400mm</li> <li>• Supply 110v/32A or 240v/13A</li> <li>• Running Current 110v 9.2 amps / 230v 4.3 amps</li> <li>• Airflow 6,300m<sup>3</sup>/hr</li> <li>• Static Pressure 700pa</li> <li>• Weight 26.5kG</li> <li>• Dimensions 54cm x 49cm x 47cm</li> </ul>	<p>Ducting</p>  <p>400mm 10 metre</p>
<p><b>VF600 / MB2000</b></p> 	<ul style="list-style-type: none"> <li>• Diameter 600mm</li> <li>• Supply 110v/32A or 240v/13A</li> <li>• Running Current 110v 13.4 amps / 230v 5.8 amps</li> <li>• Airflow 14400m<sup>3</sup>/hr</li> <li>• Static Pressure 480pa</li> <li>• Weight 61kG</li> <li>• Dimensions 87cm x 77cm x 55cm</li> </ul>	<p>Ducting</p>  <p>600mm 10 metre</p>



Ideal for extraction & fresh air supply



Air Intake/Exhaust



Duct up to 20 metres with each extractor

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A clean and safe alternative to Gas & Diesel heaters - no exhaust, vapours, odours or naked flames



**Light Industrial/Commercial Series** - Designed to offer the most cost effective 3ph heating solutions available. Ideal for small industrial units and a whole host of applications. Built to last.



**Industrial Series** - The flagship series is defined by its large heat output, smooth operation and unrivalled durability. Designed and built to withstand industrial applications as well as being able to duct to 15m from a single machine.



**Super Industrial Series** - Able to withstand and perform under the harshest conditions, the Super Industrial range has been designed for applications that require quick and effective large scale heat delivery.

### Mighty Heat - Heating Guide - Square Metre Footprint Coverage

Heater Model	Well Insulated Area (eg House)	Average Insulated (eg Portakabin)	Badly Insulated (eg Warehouse)	Poorly Insulated (eg Marquee)
FF3	46 sq metres	42 sq metres	19 sq metres	14 sq metres
FF12	192 sq metres	108 sq metres	80 sq metres	60 sq metres
FF13	208 sq metres	114 sq metres	82 sq metres	62 sq metres
FF23	315 sq metres	168 sq metres	126 sq metres	95 sq metres
FF29	450 sq metres	250 sq metres	182 sq metres	136 sq metres
FF42	652 sq metres	340 sq metres	261 sq metres	198 sq metres
FF80	1,280 sq metres	696 sq metres	516 sq metres	391 sq metres
FF125	1,928 sq metres	1,050 sq metres	765 sq metres	562 sq metres

### Calculate Heat Requirements

- 1) Establish the required temperature rise in °C (2) Calculate the volume of the space in cubic meters (LxWxH)
- 3) Calculate the areas insulation properties (k value)

Well insulated k=1.2 Average k=2.2 Badly insulated k=3.0 Poorly k=4.0

**The amount of heat required = rise in °C x Volume in m<sup>3</sup> x k x 4 = Btu/h then - Divide the answer by 3412 for kW's**

EG: 15 x 180 x 4 x 4 = / 3412 = 12.66 kW so FF12 or FF13 would be suitable

### Broughton Distributor Promise



- UK Manufactured
- 2 Year Limited Warranty on all product
- Dedicated technical advice & Full spare parts availability
- Experienced service engineers at the end of the phone
- High resolution product images and specification to help promote our products on your e-commerce site
- List prices helping to make the sale easier
- No need to hold stock - we despatch direct to your customers with your paperwork!

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Product Applications	Target Customers	Range USP
<ul style="list-style-type: none"> <li>• Suitable for most Industrial and Commercial Applications</li> <li>• Dockyards and ship building</li> <li>• Factories</li> <li>• Mining</li> <li>• Construction</li> <li>• Forges</li> <li>• Processing plants</li> <li>• Events &amp; Marquees</li> <li>• Schools &amp; Exhibition Halls</li> <li>• Warehouses</li> <li>• Hospitals</li> <li>• Temporary Buildings</li> </ul>	<ul style="list-style-type: none"> <li>• Hire Companies</li> <li>• Builders</li> <li>• Construction Firms</li> <li>• Wholesalers &amp; Resellers</li> <li>• Procurement Managers</li> <li>• Facility Management</li> <li>• Customers who require heat on a budget</li> </ul>	<ul style="list-style-type: none"> <li>• The industry standard Fireflo range of portable infra red space heaters and fan heaters is a fixture in many of the worlds leading hire fleets and industrial supply catalogues. Designed using the very latest in heating and airflow technology the range includes infra red heaters, standard fan heaters and high volume machines suitable for ducting through multiple outlets or long distances. All built to withstand industrial use using the same high spec of materials and production methods this extensive range has something to suit every application and is an ideal safe, clean, fume free alternative to gas and diesel.</li> <li>• Fully serviceable with total spare parts availability our Commercial range was conceived to offer the price benefits of a Chinese import coupled with German build quality. All heaters in the range have our normal high specification, heavy duty build quality and feature adjustable thermostats, mains plugs &amp; leads, over temperature protection and full warranty as standard.</li> </ul>

Product Image	Product Specs
<p><b>FF12</b></p> 	<p>Airflow Rate 1200m<sup>3</sup>/hr Pressure 85pa Fan Type Radial Sensible Heat Capacity 43,332 BTU (12.7kw equivalent) Max Heat Capacity (kcal) 11111 Supply 400v 50hz Plug Size 16A Sound (3m) 55dB(A) Mobility Portable Remote Thermostat Optional Dimensions HxWxD (mm) 425x345x295 Weight 15kG Overtemp protection Yes Thermostat Fitted As Standard</p>
<p><b>FF23</b></p> 	<p>Airflow Rate 1850m<sup>3</sup>/hr Pressure 90pa Fan Type Radial Sensible Heat Capacity 78,476 BTU (23kW equivalent) Max Heat Capacity (kcal) 17497 Supply 400v 50hz Plug Size 32A Sound (3m) 60dB(A) Mobility Portable Remote Thermostat Optional Dimensions HxWxD (mm) 415x345x504 Weight 20kG Overtemp protection Yes Thermostat Fitted As Standard</p>



FF12 & FF23 offer a cost effective heating solution

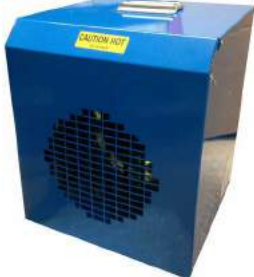


Simple to use controls

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**E:** sales@broughtoneap.co.uk  
**F:** 01527 527558

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 Rookery Works, Newchapel Rd  
 Kidsgrove, Stoke on Trent  
 Staffordshire, ST7 4SF 01782 777559

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 Redditch, B98 7SN 01527 830610

Product Applications	Target Customers	Range USP
<ul style="list-style-type: none"> <li>• Suitable for most Industrial and Commercial Applications</li> <li>• Dockyards and ship building</li> <li>• Power stations</li> <li>• Factories &amp; Warehouses</li> <li>• Mining</li> <li>• Construction</li> <li>• Forges</li> <li>• Processing plants</li> <li>• Events &amp; Marquees</li> <li>• Schools</li> <li>• Military Installations</li> <li>• Exhibition halls</li> <li>• Hospitals</li> <li>• Temporary Buildings</li> </ul>	<ul style="list-style-type: none"> <li>• Hire Companies</li> <li>• Builders</li> <li>• Construction Firms</li> <li>• Procurement Managers</li> <li>• Facility Management</li> <li>• Wholesalers &amp; Resellers</li> </ul>	<ul style="list-style-type: none"> <li>• The industry standard Fireflo range of portable infra red space heaters and fan heaters is a fixture in many of the worlds leading hire fleets and industrial supply catalogues. Designed using the very latest in heating and airflow technology the range includes infra red heaters, standard fan heaters and high volume machines suitable for ducting through multiple outlets or long distances. All built to withstand industrial use using the same high spec of materials and production methods this extensive range has something to suit every application and is an ideal safe, clean, fume free alternative to gas and diesel.</li> <li>• With the ability to duct to 15m from a single unit, the ever popular Mighty Heat Industrial Series now offers integrated spigots made from the same high quality, high gauge steel as the rest of the unit and fabricated as an intrinsic part of the chassis rather than a separate item. The new 'one size' fits all spigot standardises the FF13 and FF29 meaning customers can now use the same ducting on multiple applications.</li> </ul>


Product Image	Product Specs	Product USP
<p><b>FF3</b></p>  <p>Standard Flat Grill Version</p>	<p>Airflow Rate 423m<sup>3</sup>/hr Pressure 80pa Fan Type Radial Sensible Heat Capacity 10,236 BTU (3kW equivalent) Max Heat Capacity (kcal) 2625 Supply 110v or 230v 50hz Plug Size 32A (110v) 13A(230v) Sound (3m) 45dB(A) Spigot 200mm Mobility Portable Remote Thermostat Optional Dimensions HxWxD (mm) 360x300x330 Weight 10kG Overtemp protection Yes Max Ducting 5m</p>	<p>An extra tough unit designed and built to withstand the rigours of regular site use. Features include an adjustable thermostat and over temperature protection as standard while the optional spigot allows the user to fit up to 3m of ducting. Available in 110v 32A and 230v 13A models.</p>
<p><b>FF13</b></p>  <p>Twin Spigot Version</p>	<p>Airflow Rate 1017m<sup>3</sup>/hr Pressure 400pa Fan Type BC Impellor Sensible Heat Capacity 47,427 BTU (13.9kW equivalent) Max Heat Capacity (kcal) 12161 Supply 3 phase 400v 50hz Plug Size 16A Sound (3m) 55dB(A) Spigot 250mm Mobility Portable Remote Thermostat Optional Dimensions HxWxD (mm) 380x300x450 Weight 18kG Overtemp protection Yes Max Ducting 10m</p>	<p>A powerful 16A heater designed to deliver 13.9kW of sensible heat. Built to withstand the rigours of regular site use with features including an adjustable thermostat and over temperature protection as standard while the optional single or double spigot outlets can provide warm air either along 10M of ducting or to two separate area's. A clean, odourless and fume free alternative to gas and diesel heaters.</p>
<p><b>FF29</b></p>  <p>Standard Flat Grill Version</p>	<p>Airflow Rate 2034m<sup>3</sup>/hr Pressure 400pa Fan Type BC Impellor Sensible Heat Capacity 98,948 BTU (29kw equivalent) Max Heat Capacity (kcal) 25284 Supply 3 phase 400v 50hz Plug Size 32A Sound (3m) 57dB(A) Spigot 250mm Mobility Portable Remote Thermostat Optional Dimensions HxWxD (mm) 570x400x520 Weight 36kG Overtemp protection Yes Max Ducting 15m</p>	<p>A very powerful 32A heater that offers 29kW of sensible heat. Designed and built to withstand the rigours of regular site use comes complete with features including an adjustable thermostat, over temperature protection and lockable castors while the optional single and multiple outlets allow the FF29 to deliver warm air either along up to 15M of ducting or to up to 4 separate area's. A clean, odourless and fume free alternative to gas and diesel heaters.</p>

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**Technical Advice** 01527 830616  
**E:** sales@broughtoneap.co.uk  
**F:** 01527 527558

**Accounts**  
 Rookery Works, Newchapel Rd  
 Kidsgrove, Stoke on Trent  
 Staffordshire, ST7 4SF 01782 777559

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 Units 24-25, Crossgate Road  
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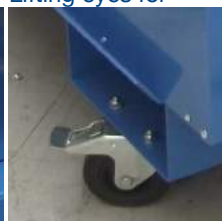
Product Applications	Target Customers	Range USP
<ul style="list-style-type: none"> <li>• Suitable for most Industrial and Commercial Applications</li> <li>• Dockyards and ship building</li> <li>• Power stations</li> <li>• Factories</li> <li>• Construction</li> <li>• Forges &amp; Mining</li> <li>• Processing plants</li> <li>• Military Installations</li> <li>• Warehouses</li> <li>• Marquees &amp; Events</li> <li>• Exhibition halls</li> <li>• Hospitals</li> <li>• Temporary Buildings</li> </ul>	<ul style="list-style-type: none"> <li>• Hire Companies</li> <li>• Construction Firms</li> <li>• Procurement Managers</li> <li>• Facility Management</li> <li>• Wholesalers &amp; Resellers</li> <li>• Large Industrial Units</li> </ul>	<ul style="list-style-type: none"> <li>• The industry standard Fireflo range of portable infra red space heaters and fan heaters is a fixture in many of the worlds leading hire fleets and industrial supply catalogues. Designed using the very latest in heating and airflow technology the range includes infra red heaters, standard fan heaters and high volume machines suitable for ducting through multiple outlets or long distances. All built to withstand industrial use using the same high spec of materials and production methods this extensive range has something to suit every application and is an ideal safe, clean, fume free alternative to gas and diesel.</li> <li>• The Super Industrial Range offers some phenomenal statistics - upto 125kW of heat, 100°C (heat rise) in a single pass, 5000pa of pressure, 10,000m<sup>3</sup>/hr and can be ducted over 100m - and is perfectly comfortable providing heat in place of, or in addition to an existing heating system. The standard multi-stage controls can be adapted to suit most requirements so that constant airflow and temperatures are maintained.</li> </ul>

Product Image	Product Specs	Product USP
 <p><b>FF42</b></p>	<p>Airflow Rate 4000m<sup>3</sup>/hr Pressure 600pa            Sensible Heat Capacity 143,304 BTU (42kW equivalent)            Max Heat Capacity (kcal) 36745            Supply 400v 50hz Plug Size 63A            Sound (3m) 73dB(A) Spigot 500mm            Mobility Portable Thermostat Standard            Remote Thermostat Standard Max Ducting 20m            Dimensions HxWxD (mm) 1000x700x1100            Weight 130kG Overtemp protection Yes            Phase protection Yes 24v Control Circuit</p>	<p>The most powerful 63A heater available. Designed and built for industrial use the FF42 features variable heat output, 24V control circuit for safety, remote thermostat socket, spigot, over temperature protection and an auto run on as standard. The FF42 is fitted with a powerful forward curved impeller that can deliver heat along 30m of ducting</p>

Off-Fan-21kW-42kW settings

Lifting eyes for

Both Industrial & Super Industrial Heaters are ductable...




FF42

Thermostat

Thermostat coupler

maximum portability

...with a series of spigot options available

 <p><b>FF80</b></p>	<p>Airflow Rate 9500m<sup>3</sup>/hr Pressure 600pa Fan Type Contra bladed            Sensible Heat Capacity 272,960 BTU (80kW equivalent)            Max Heat Capacity (kcal) 69990            Supply 400v 50hz Plug Size 125A            Sound (3m) 75dB(A) Spigot 500mm            Mobility Portable Thermostat Standard            Dimensions HxWxD (mm) 1000x700x1690            Weight 200kG Overtemp protection Yes            Phase protection Yes Max Ducting 50m</p>	<p>An 80kW heater for heavy duty applications. Ideal for use in shipping, surface coating or large scale heating applications; the FF80 features a powerful contra rotating fan motor for pumping heat down long lengths of ducting, a heavy duty build, thermostatic control, over temperature protection and lockable castors</p>
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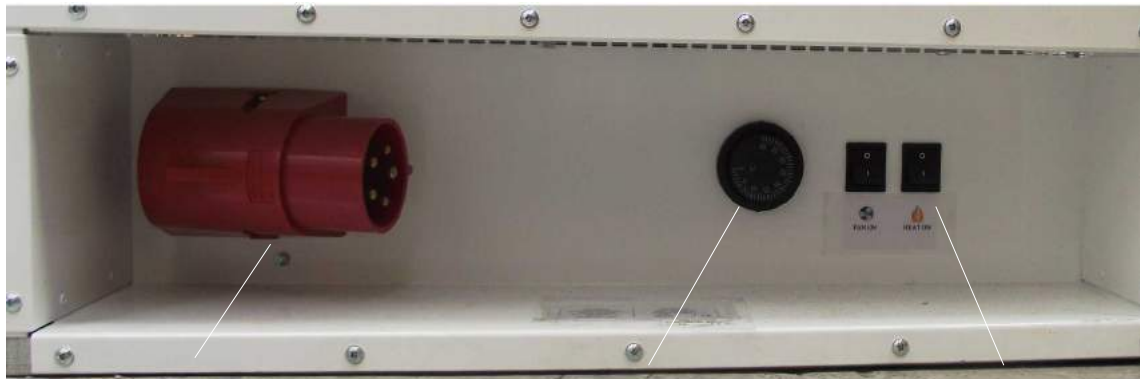
Product Applications	Target Customers	FFVH29 - Range USP
<ul style="list-style-type: none"> <li>• Offices</li> <li>• Marquees</li> <li>• Schools and Halls</li> <li>• Events</li> <li>• Schools</li> <li>• Temporary Building</li> </ul>	<ul style="list-style-type: none"> <li>• Hire Companies</li> <li>• Construction Firms</li> <li>• Procurement Managers</li> <li>• Facility Management</li> <li>• Wholesalers &amp; Resellers</li> <li>• Large Industrial Units</li> </ul>	<ul style="list-style-type: none"> <li>• A stylish vertical heater designed to stand unobtrusively on the margins of an assembly room or marquee</li> <li>• Attractive, slim and finished in a tough epoxy powdered white with a matching white adjustable louvre</li> <li>• The specially configured air moving system releases over 1,600 m<sup>3</sup>/hr (1,000 cfm) of heated air</li> </ul>

Product Image	Product Specs	Product USP
 <p><b>FFVH29</b></p>	<p>Fan Type Radial            Heat Capacity 98,948 BTU (29kW equivalent)            Supply 400v 50hz            Heat Output 98,948 Btu            Plug Size 32A            Mobility Portable            Thermostat Standard            Dimensions HxWxD (mm) 1270x635x355            Weight 40kG            Overtemp protection Yes</p>	<ul style="list-style-type: none"> <li>• Unobtrusive</li> <li>• Portable</li> <li>• Stylish</li> <li>• Small Footprint</li> <li>• Controls at the rear of the machine to avoid 'finger tampering'</li> <li>• 98,948 BTU per hour heat output</li> <li>• Ideal for events</li> </ul>

### FFVH29 Tamper Proof Controls



Tamper proof controls at rear of machine



Three Phase 5 Pin Plug

Thermostat Control

Fan Only/Heat Controls

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Product Applications	Target Customers	RG308 - Range USP
<ul style="list-style-type: none"> <li>• Offices</li> <li>• Warehouses</li> <li>• Schools and Halls</li> <li>• Factories</li> <li>• Temporary Building</li> <li>• Building Sites</li> </ul>	<ul style="list-style-type: none"> <li>• Hire Companies</li> <li>• Construction Firms</li> <li>• Procurement Managers</li> <li>• Facility Management</li> <li>• Wholesalers &amp; Resellers</li> </ul>	<p>The industry standard Fireflo range of portable infra red space heaters and fan heaters is a fixture in many of the worlds leading hire fleets and industrial supply catalogues. Designed using the very latest in heating and airflow technology the range includes infra red heaters, standard fan heaters and high volume machines suitable for ducting through multiple outlets or long distances. All built to withstand industrial use using the same high spec of materials and production methods this extensive range has something to suit every application and is an ideal safe, clean, fume free alternative to gas and diesel.</p>

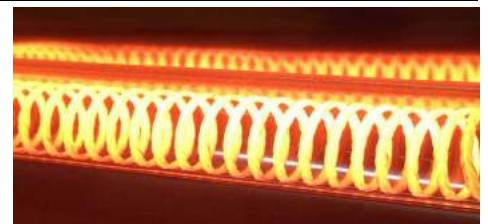
Product Image	Product Specs	Product USP
	<p><b>RG308 240v 2.8kW 13 amp</b>            Sensible Heat Capacity (kW) 2.8kW            Heat settings 1.4kW/2.8kW            Filaments 2 x 1.4kw Carbon Fibre            Supply 240v 50hz            Plug Size 13A            Mobility Portable            Dimensions (Body) HxWxD (mm)            917x421x171 (420mm depth with wheels)            Weight 14kG</p>	<p>The fully portable RG308/13 provides localised heat for operatives or processes when traditional heat isn't an option. Runs from a standard 230V 13A socket and features all new carbon fibre filaments for improved resilience, two heat settings, a reduced glow and a high quality build specification.</p>
	<p><b>RG308 110v 1.6kW 16 amp</b>            Sensible Heat Capacity (kW) 1.6kW            Heat settings 800w/1.6kW            Filaments 2 x 800w Carbon Fibre            Supply 110v 50hz            Plug Size 16A            Mobility Portable            Dimensions (Body) HxWxD (mm)            917x421x171 (420mm depth with wheels)            Weight 14kG</p>	<p>The fully portable RG308/16 provides localised heat for operatives or processes when traditional heat isn't an option. Runs from a standard 110V 16A supply and features all new carbon fibre filaments for improved resilience, two heat settings, a reduced glow and a high quality build specification.</p>
	<p><b>RG308 110v 3kW 32 amp</b>            Sensible Heat Capacity (kW) 3kW            Heat settings 1.5/3kW            Filaments 2 x 1.5kW Carbon Fibre            Supply 110v 50hz            Plug Size 32A            Mobility Portable            Dimensions (Body) HxWxD (mm)            917x421x171 (420mm depth with wheels)            Weight 14kG</p>	<p>The fully portable RG308/32 provides localised heat for operatives or processes when traditional heat isn't an option. Runs from a standard 110V 32A supply and features all new carbon fibre filaments for improved resilience, two heat settings, a reduced glow and a high quality build specification.</p>



Ideal for a host of industrial applications



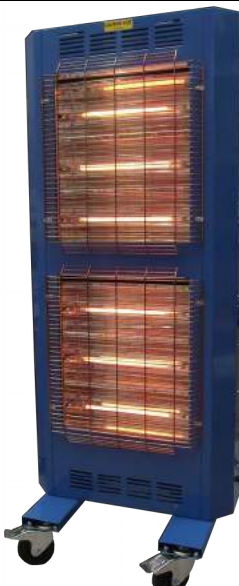
New carbon fibre filaments offers unrivalled strength...

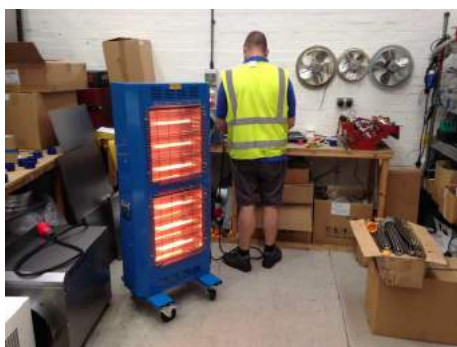


.. and heat efficiency compared to standard bulbs

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Product Applications	Target Customers	RG9 - Range USP
<ul style="list-style-type: none"> <li>• Offices</li> <li>• Warehouses</li> <li>• Schools and Halls</li> <li>• Factories</li> <li>• Temporary Building</li> <li>• Building Sites</li> </ul>	<ul style="list-style-type: none"> <li>• Hire Companies</li> <li>• Construction Firms</li> <li>• Procurement Managers</li> <li>• Facility Management</li> <li>• Wholesalers &amp; Resellers</li> </ul>	<p>The industry standard Fireflo range of portable infra red space heaters and fan heaters is a fixture in many of the worlds leading hire fleets and industrial supply catalogues. Designed using the very latest in heating and airflow technology the range includes infra red heaters, standard fan heaters and high volume machines suitable for ducting through multiple outlets or long distances. All built to withstand industrial use using the same high spec of materials and production methods this extensive range has something to suit every application and is an ideal safe, clean, fume free alternative to gas and diesel.</p>

Product Image	Product Specs	Product USP
	<p><b>RG9 400v 9kW 16 amp</b>  <b>Sensible Heat Capacity (kW) 9kW</b>  <b>Heat settings</b>            4.5kW/9kW  <b>Filaments</b>            6 x 1.5kw Carbon Fibre  <b>Supply 400v 50hz</b>  <b>Plug Size 16A</b>  <b>Mobility Portable</b>  <b>Dimensions (Body)</b>            HxWxD (mm)            1462x581x490mm  <b>Weight 35KG</b></p>	<p>The all new RG908/16 provides 9kW of localised heat for operatives or processes when traditional heat isn't an option. Runs from a standard 400V 16A supply and features our carbon fibre filaments for improved resilience, two heat settings, a reduced glow and a high quality build specification, as well as built in safety features including four lockable castor wheels and anti tilt safety cut out.</p>



Ideal for warehouse & industrial applications



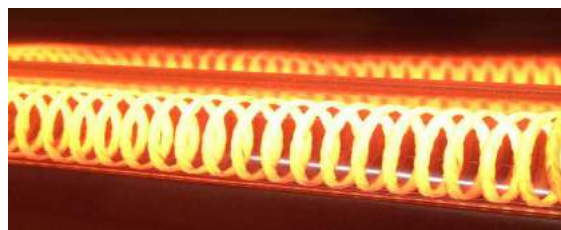
New RG9 compared to the RG308



Half and full heat settings



New carbon fibre filaments offers unrivalled strength and heat efficiency compared to standard bulbs



Lockable castor wheels



& anti tilt safety cut out

**Customer Order Line** 01527 830610  
**Technical Advice** 01527 830616  
 E: sales@broughtoneap.co.uk  
 F: 01527 527558

**Accounts**  
 Rookery Works, Newchapel Rd  
 Kidsgrove, Stoke on Trent  
 Staffordshire, ST7 4SF 01782 777559

**Sales & Manufacturing**  
 Units 24-25, Crossgate Road  
 Park Farm Industrial Estate  
 Redditch, B98 7SN 01527 830610

Product Applications	Target Customers	WB22 - Range USP
<ul style="list-style-type: none"> <li>• Central Heating Disruptions</li> <li>• Heating Maintenance</li> <li>• Under Floor Heating Installations</li> <li>• Events</li> <li>• Schools</li> <li>• Factories</li> <li>• Care Homes</li> <li>• Temporary Building</li> </ul>	<ul style="list-style-type: none"> <li>• Hire Companies</li> <li>• Construction Firms</li> <li>• Procurement Managers</li> <li>• Facility Management</li> <li>• Large Industrial Units</li> </ul>	<p>A fully portable 22kW boiler that can be used for drying concrete flooring, testing underfloor heating and providing hot water and central heating. The fully programmable digital control allows output to be tailored to suit the application while the option of a variety of electrical inputs allow it to be used on different electrical supplies. Comes complete with pump, trolley and safety features including expansion tank, high pressure cut out and over temperature cutout.</p>

Product Image	Product Specs	Product USP
<p><b>WB22</b></p> 	<p><b>Flow Rate</b> 2.7 - 3.5m<sup>3</sup>/hr  <b>Operating Range</b> 20°C to 80°C  <b>Supply</b> 400v 50hz  <b>Plug Size</b> 32A  <b>Mobility</b> Portable  <b>Power</b> 11/22kW  <b>Dimensions HxWxD (mm)</b> 1100x440x420</p>	<p>A fully portable 22kW boiler that can be used for drying concrete flooring, testing underfloor heating and providing hot water and central heating. The fully programmable digital control allows output to be tailored to suit the application and a number of electrical sockets allow it to be used on a variety of electrical supplies. Comes complete with pump, trolley and safety features including expansion tank, high pressure cut out and over temperature cutout.</p>




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Product Applications	Target Customers	Dehumidification Helpful Tips
<ul style="list-style-type: none"> <li>Suitable for most Industrial and Commercial applications</li> <li>During <b>construction</b> and finishing on <b>building sites</b></li> <li>After <b>fire or flood</b> damage</li> <li>During the <b>storage</b> of sensitive materials and products such as documents and ingredients</li> <li>In <b>data centres</b> or <b>Equipment rooms</b> where electrical switching equipment might be affected by moisture</li> </ul>	<ul style="list-style-type: none"> <li>Hire Companies</li> <li>Builders</li> <li>Construction Firms</li> <li>Procurement Managers</li> <li>Facility Management</li> <li>Wholesalers &amp; Resellers</li> <li>Fire &amp; Flood Restoration</li> <li>Storage Companies</li> <li>DIY Handyman</li> </ul>	<ul style="list-style-type: none"> <li>Mighty Dry dehumidifiers combine very large extraction rates with high quality materials to give industry leading performance. These rugged and reliable units use tough steel bodies and powder coated finishes to take the knocks associated with regular site use while the reduced size and weight help you maximise transport and storage space.</li> <li>With their unrivalled versatility Mighty Dry dehumidifiers are a popular choice throughout the hire and flood restoration industries where they help reduce the speed of drying times and reduce water damage. Available in either dual voltage or 230V only we also offer a full range of accessories including hour counters, condensate pumps and humidistat's.</li> </ul>

<ul style="list-style-type: none"> <li>Do not obstruct air inlet or outlets</li> <li>Ensure doors and windows are closed</li> <li>If possible place the dehumidifier in the centre of the room</li> <li>If more than one unit is being used space them out evenly throughout the room</li> <li>Dehumidifiers give maximum results at around 20°C so adding extra heat can aid the dehumidification process and reduce drying times</li> </ul>	<ul style="list-style-type: none"> <li>ALWAYS USE EXTRA HEAT IF THE TEMPERATURE FALLS BELOW 6°C</li> <li>Using a Mighty Breeze fan to create a laminar airflow across the surface to be dried will also aid dehumidifying and reduce drying times. This is especially effective when drying out carpets etc after floods or cleaning and can help reduce the risk of moisture damage including shrinkage</li> <li>Build up's of dust and fluff sucked into the machine can hinder performance and create blockages in the drip tray which can lead to leaks. Regular cleaning of the coil and drip tray will reduce the risk of these problems</li> </ul>
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Product Image	Product Specs	Optional Extras
 <p><b>CR40</b></p>	<p><b>Extraction</b> 11.25L/24hrs @ 70%RH/20°C 38.01L/24hrs @ 100%RH/35°C</p> <p><b>Supply</b> 110v or 230v/50Hz/1ph (Dual voltage available)</p> <p><b>Nominal Running Current</b> 1.3A (230v)</p> <p><b>Dimensions</b> 545x370x320mm</p> <p><b>Weight</b> 23kg</p>	<p>A compact industrial dehumidifier ideal for site or flood restoration use. The rugged and reliable CR40 has been designed to maximise storage and transport space and is available in dual voltage and with a host of accessories including humidistat, condensate pump and hour counter</p>
 <p><b>CR70</b></p>	<p><b>Max Extraction</b> 25.5L/24hrs @ 70%RH/20°C 70.65L/24hrs @ 100%RH/35°C</p> <p><b>Supply</b> 110v or 230v/50Hz/1ph (Dual voltage available)</p> <p><b>Nominal Running Current</b> 3.6A (230v)</p> <p><b>Dimensions</b> 770x445x470mm</p> <p><b>Weight</b> 36kg</p>	<p>A high volume industrial dehumidifier ideal for site or flood restoration use. The rugged and reliable CR70's steel case is built to withstand the rigours of daily site use and it is also available in dual voltage along with accessories including condensate pump, humidistat and hour counter</p>
 <p><b>CR170</b></p>	<p><b>Max Extraction</b> 51L/24hrs @ 70%RH/20°C 169L/24hrs @ 100%RH/35°C</p> <p><b>Supply</b> 110v or 230v/50Hz/1ph</p> <p><b>Nominal Running Current</b> 10A (230v)</p> <p><b>Dimensions</b> 1180x680x665mm</p> <p><b>Weight</b> 68kg</p>	<p>Our biggest dehumidifier is built tough for use on building sites and in industrial applications whilst still being fully portable. The dual voltage CR170 comes with humidistat, condensate pump and hour counter as standard.</p>



CR40 - Removable drip tray



CR170 - Easy to use controls



Ideal for decorators



Easy to adjust Dual Voltage mode

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 Kidsgrove, Stoke on Trent  
 Staffordshire, ST7 4SF 01782 777559

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 Park Farm Industrial Estate  
 Redditch, B98 7SN 01527 830610



A large, empty rectangular box with a thin black border, intended for handwritten notes or additional information.

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**BROUGHTON**  
ELECTRO-AIR-PRODUCTS LTD

UK Manufacturers of Portable Climate Control Products

Units 24 - 25 Crossgate Road, Park Farm Industrial Estate, Redditch, B98 7SN