

## 'High performance, energy efficient portable cooling solutions for today's environmentally conscious market'

As a water cooled split the **Mighty Cool MCSe7.3** is the most efficient and effective form of portable air conditioning available, as it removes the de rating effect of the condenser by using a plate heat exchanger instead. This also helps keep the sound down too as it moves one of the fans outside the area needing cooling.

This low GWP version of our industry standard MCWS250 sees it upgraded to meet modern environmental standards while still promising up to 7.4kW of cooling without the need for ducting. This makes the MCSe7.3 ideal for use in data centres, especially as the main unit and outdoor section can be up to 35M apart. With digital thermostatic control, twin louvre directional and variable speed control the MCSe7.3 can have it's air delivery tailored to suit a range of needs, while a status panel lets you know what the units is doing at a glance and low temperature operation is also included as standard

With all this in mind, the MCSe7.3 has reset the standard for portable split air cooling equipment.



The all new MCSe7.3

### Mighty Cool MCE and MCSe Range overview

- Massive duties: 6.5kW to 14.6kW of cooling
- EC fans: Greater efficiency, better performance and fully controllable
- Backward curved impellers: Generate much higher pressure than axial fans so can be used to push air further and through smaller diameter ducting, which is much more manageable
- Digital thermostatic control: Allowing for an easy and more accurate performance
- High performance, energy efficient cooling solutions for today's environmentally conscious market

### MCSe7.3 specifications

- **Nominal duty** 7.4kW
- **Nominal running current** 12.5A
- **Digital Thermostatic** control
- **Max Umbilical length** 35m
- **Lockable** castors
- **High efficiency** EC fan technology
- **Main Unit Airflow (max)** 1,100m<sup>3</sup>
- **Heat Exchanger Airflow (max)** 3,100m<sup>3</sup>
- **Ideal for server rooms and data centres**
- **Supply** 13A 230v
- **Weight Indoor Unit** 90kg (wet)
- **Weight Heat Exchanger** 22kg (wet)
- **Dimensions** 1308x805x382mm
- **Operating range** 15°C-35°C
- **IP Rating (Indoor/Outdoor)** IP2X/IP24
- **Noise (Indoor/Outdoor)** 65/64dB
- **Max Water Temp** 50c



### Did you know?

The MCE range uses R454C, a low GWP (Global Warming Potential) refrigerant that's 95% less harmful to the environment than some traditional refrigerants. Not only that, but as it's A2L rated neither does it have the flammability issues associated with other low GWP refrigerants such as R290 (Propane) either.



Digital thermostat allows for simple yet effective operation



Easy to install 3/4" umbilical lines with standard push fit BSPP fittings



The heat exchanger can be positioned up to 35m from the cooling unit

The Mighty Cool MCSe range offers unrivalled cooling duties



The MCSe7.3 Industrial Portable Air Conditioner



Easy to use controls



Powerful heat exchanger



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As Broughton strive to manufacture to the highest standards we reserve the right to alter specification without prior notice