

## The best of both worlds

### Questions & Answers

Following our recent webinar, here is a summary of the questions asked on the day...

# THE COMPLETE CHILLER SOLUTION

#### Question 1

If I have an application that is more than 1,080kW, what can be done?



*e-series*

Even though we can only connect six e-series modular units in a single hydraulic header to provide 1,080kW, one master unit can control up to 24 modules. Therefore the opportunities for e-series are actually much higher, allowing single control of up to 4,320kW.

#### Question 2

Can you mix and match the e-series module sizes on a single installation?

With the e-series modular approach, only the same size module can be connected together in the same hydraulic bank. So, you can only connect up to six 90kW, six 150kW or up to six 180kW modules. However, it's possible with the e-series to have different sized modules in separate banks controlled separately.

#### Question 3

How are the individual e-series units connected hydraulically?



90kW modules can be connected through the header pipe with a 100 mm victaulic coupling. The 150kW and 180kW modules can be connected through a header pipe with a 150 mm victaulic coupling.



#### Question 4

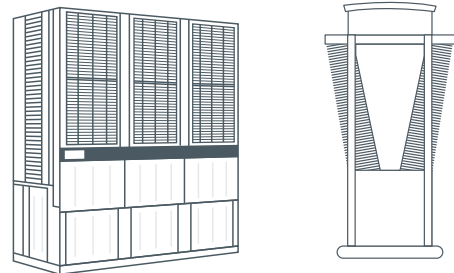
Is a free cooling option available for the e-series?

The e-series is available as a mechanical cooling only product. We don't currently have a free cooling option for the e-series.

#### Question 5

Would it be best to use a single 150kW or two 90kW e-series modules for my project?

This depends on the space available, but both modular chillers will offer similar levels of efficiency and noise. The 90kW is a little quieter but will take up a slightly larger footprint, so if noise were a driver on the project we would recommend using two 90kW modules. However, if footprint is tight the 150kW module will reduce the overall footprint requirement.



#### Question 6

Do you have BIM families available for the modules?

The BIM families are available for the e-series 90kW, 150kW and 180kW modules.

### Question 7

What has been the largest e-series installation in the UK?



Towards the end of 2018, we installed 46 e-series 90kW modules on Echo Arena in Liverpool. This was following the fire that destroyed the car park next to Echo Arena where the original chillers had been installed. One of the reasons for the success of the project is that we had all 46 e-series modules in stock and ready to go, so we were able to deploy the chillers very quickly. Large capacity traditional chillers usually require significant lead times, however we keep stock of the e-series here in the UK.

### Question 8

What is Blue Fin Coating?

Blue Fin is the proprietary core coating for Mitsubishi Electric; it's available on many of our products including e-series, VRF, Mr Slim and Ecodan residential heating. Blue Fin Coating offers additional protection compared to non-coated coils, making the heat exchanger up to four times more resistant to rust.

*Figures based upon rust resistance test of 50g/L Sodium Chloride Solution at 1.5Litres/hr  
Test results Standard Coil = 240Hr / Blue Fin Coil 960Hr*

### Question 9

What are the lead times for the i-NX and i-BX traditional chillers?

The i-NX and i-BX are made to order, the i-NX is currently on a seven-week lead-time and the i-BX is on a five-week lead-time.



### Question 10

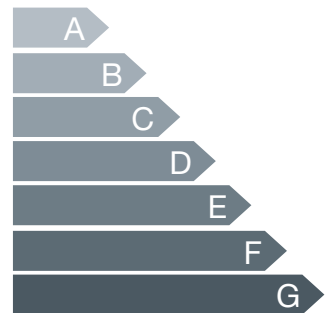
Are Mitsubishi Electric e-series chillers available in heat pump and cooling only types?

The e-series is available in both heat pump and cooling only chiller variants.

### Question 11

When will the MEES EPC rating of C come into place?

The government's Minimum Energy Efficiency Standards (MEES), currently requires that all commercial properties with a new or renewed lease, must have an Energy Performance Certificate (EPC) rating of E, which has been in place since 2018. This is likely to change to C by 2030.



### Question 12

Where can I get information on the wider chiller range?

If you're a Specifier, Consultant or Installer you can speak to your Account Manager who can arrange for the information to be sent to you. Alternatively, fill out our enquiry form at [mechillers.co.uk](http://mechillers.co.uk).

