



Chiller, Heat Pump and 4-Pipe Range



Commercial Heating  
& Cooling Solutions

# The Black Diamond Technologies and Mitsubishi Electric Partnership

Mitsubishi Electric has manufactured high quality chillers for over 40 years. Following the acquisition of Climaveneta in 2015, Black Diamond Technologies can now offer a comprehensive Mitsubishi Electric chiller range that meets the full requirements of the New Zealand HVAC market.

## MEHITS Chiller Range

Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A. (MEHITS) is Mitsubishi Electric's specialist hydronic air conditioning company. Offering air cooled and water cooled heat pump, chiller and heat recovery solutions for comfort, process and IT cooling applications. Suitable for a wide variety of projects such as commercial buildings, data centres, hotels, industrial process, hospitals and residential dwellings.

## Mitsubishi Electric e-Series Modular Chiller Range

The e-Series Chiller and Heat Pump technology provides a unique approach, delivered to site in 150kW or 180kW modules. The range offers more environmentally-friendly solution which is efficient and cost-effective for both retrofit and new-build projects.

Instead of a large, single chiller, a number of smaller modules are connected together to provide the same capacity as a large, unitary machine with the added benefits of redundancy and efficiency.

## Air Sourced Chillers, Heat Pumps and 4-Pipes



**ME(CH/HP)-iB** **R32**  
Air source reversible heat pumps with inverter scroll compressors.

Chiller Heat Pump



**ME(CH/HP)-iS** **R32**  
Air source chillers and reversible heat pumps with inverter scroll compressors.

Chiller Heat Pump



**e-Series** **R32**  
Modular air source chillers and reversible heat pumps with inverter scroll compressors.

Chiller Heat Pump



**NX & NX2** **R410A** **R454B**  
Air source chillers, reversible heat pumps and 4-pipe INTEGRA units with fixed speed multi-scroll compressors.

Chiller Heat Pump 4-Pipe



**TECS2** **R134A** **R1234ze** **R513A**  
High efficiency chillers with magnetic bearing compressors.

Chiller



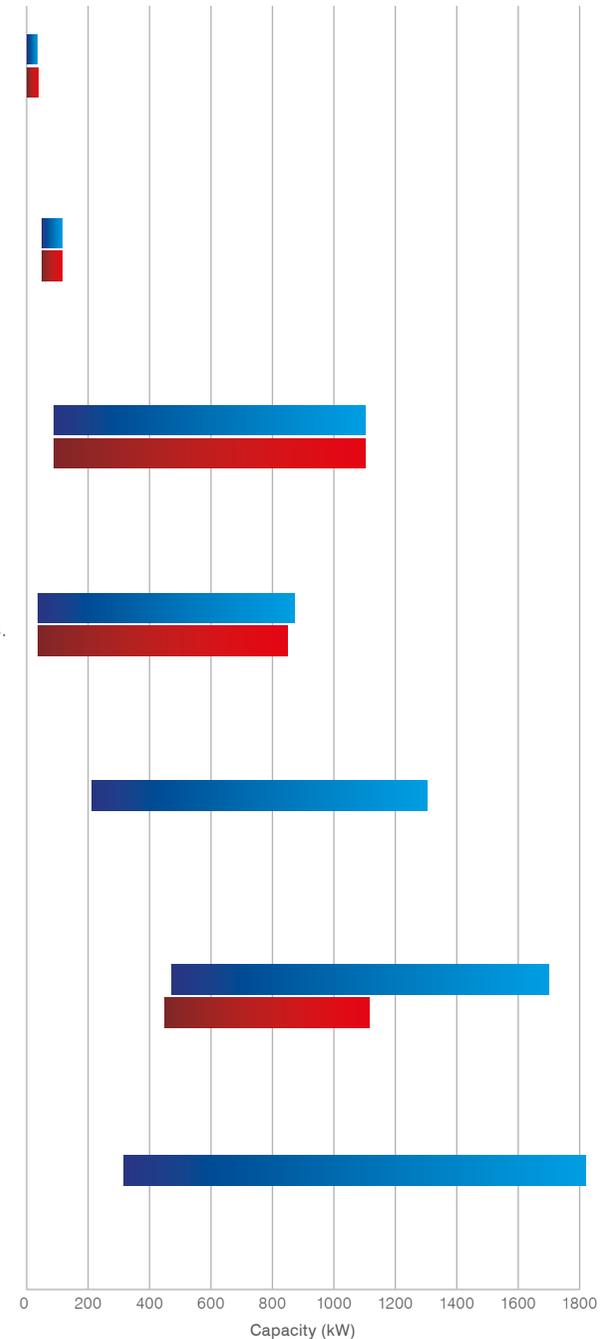
**i-FX** **R134A** **R454B** **R513A**  
High efficiency chillers, reversible heat pumps and 4-pipe INTEGRA units with inverter screw compressors.

Chiller Heat Pump 4-Pipe



**FX2** **R134A** **R1234ze** **R513A**  
High efficiency chillers with inverter screw compressors.

Chiller



## Water Sourced Chillers, Heat Pumps and 4-Pipes



**NX-W & NX2-W** R410A R454B

Water sourced chillers with fixed speed compressors.

Chiller

Heat Pump



**EW-HT** R134A

Water sourced high temperature heat pumps with fixed speed compressors. Up to 78°C.

High Temperature Heat Pump



**FX-W** R410A R1234ze R513A

Water sourced chillers with fixed speed screw compressors.

Chiller

Heat Pump



**i-FX2-W** R1234ze

Water sourced chillers with inverter screw compressors.

Chiller

Heat Pump

4-Pipe



**FOCS2 & FOCS3-W** R134A R513A

Water sourced chillers with fixed speed screw compressors.

Chiller

Heat Pump

4-Pipe



**TECS2-W** R1234ze

Water sourced chillers with magnetic bearing compressors.

Chiller

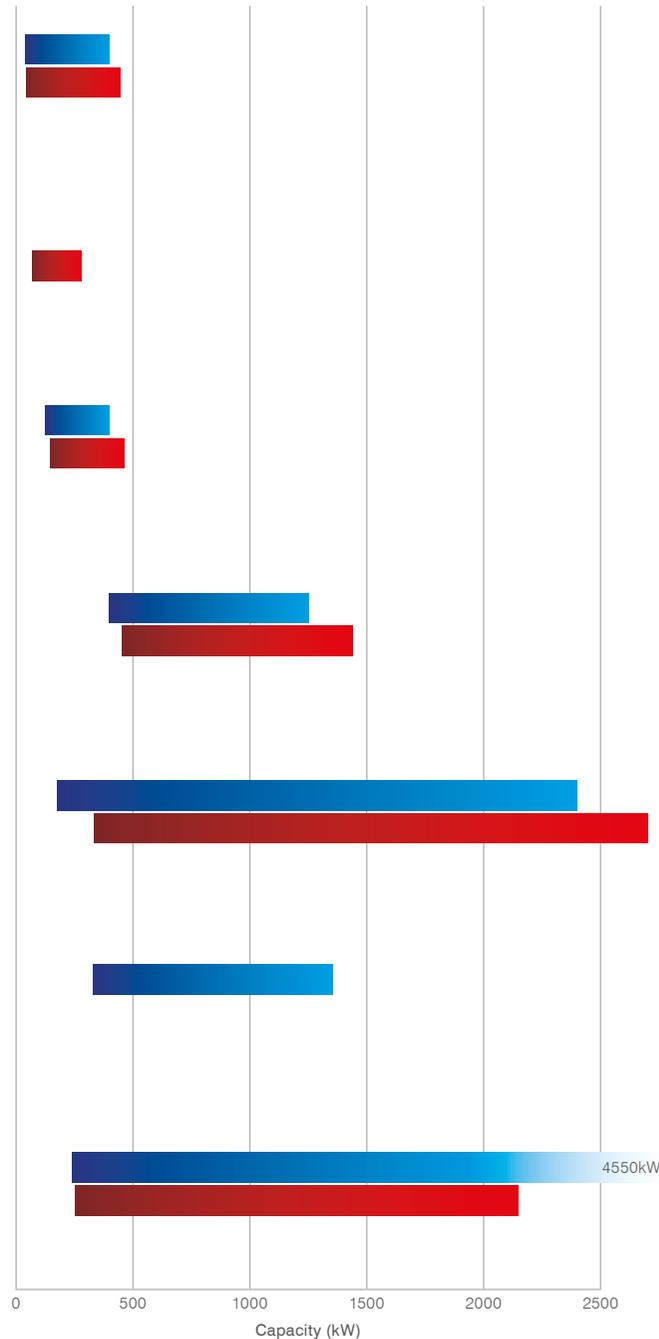


**TX & TX2-W** R134A R1234ze R513A

Water sourced chillers with magnetic bearing compressors.

Chiller

Heat Pump



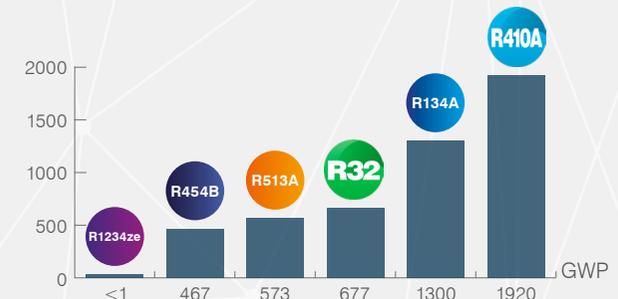
## Why Choose Mitsubishi Electric Chillers?

- ✓ Extensive equipment programme
- ✓ Industry-leading technologies
- ✓ Exceptional efficiencies
- ✓ Commitment to product research and development
- ✓ Unique plant control solutions
- ✓ Refrigerants with low environmental impact
- ✓ Experienced pre and post-sales technical support

### Developing Technologies with Lower Global Warming Potential

While in the past focus was on reducing ODP values to 0, new regulations encourage a greater emphasis on reducing the level of GWP. Mitsubishi Electric is leading the way with the continued development of Chiller, Heat Pump and 4-Pipe Systems that utilise new-generation refrigerants – providing a range of solutions to help meet clients' sustainability goals.

### Refrigerant GWP Value (AR5)





## Black Diamond Technologies and Mitsubishi Electric – an Exclusive Partnership Since 1981

The Mitsubishi Electric Product Range has been exclusively distributed by 100% locally Owned and Operated Black Diamond Technologies Limited for over 40 years in New Zealand.

The combination of an internationally trusted brand with the comfort of a locally owned and operated company means that you will always get the best products, the best local service and the best local support.

Based in Wellington with a further 4 support offices throughout New Zealand, Black Diamond Technologies Limited is here to help.



### Our Vision – Creating New Zealand’s Sustainable Future

Black Diamond Technologies Limited in partnership with Mitsubishi Electric, strives to develop and introduce new technologies for New Zealanders that will make lives more comfortable while also creating a greener tomorrow.

### Peace of Mind Commissioning and Preventative Maintenance Service

Commercial chiller and heat pump HVAC products sold by Black Diamond Technologies Limited are provided with a 1-year parts and labour warranty from the time of commissioning. To validate the warranty on specific chillers and heat pumps, a post-commissioning Black Diamond Technologies Preventative Maintenance Service is required. This includes 4 site visits in the initial 12-month period by our own highly qualified and experienced Technical Service Team, for the ultimate peace of mind for your project.



For more information please visit our website  
or call our Customer Service Team.  
[mitsubishi-electric.co.nz](http://mitsubishi-electric.co.nz) | 0800 784 382

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Black Diamond  
Technologies Limited



Exclusive New Zealand  
Partner Since 1981

