

ONE COMPANY, ONE COMPLETELY EFFICIENT SOLUTION

With Mitsubishi Electric Cooling & Heating, you get a total solution from equipment to design, to training and support. We deliver the best tools for a successful project, every time.

MAXIMIZE VALUE WITH VARIABLE REFRIGERANT FLOW.

Variable refrigerant flow (VRF) zoning provides efficient, personalized comfort to any building design. Through the use of energy efficient INVERTER-driven compressor technology, along with innovative features such as simultaneous cooling and heating and whole building control, VRF systems deliver energy and operational savings to the user. Instead of relying on bulky ductwork to deliver conditioned air to a space, VRF uses refrigerant piping to deliver precise personalized comfort capabilities to a building's occupants. This not only saves ceiling space within the building, which helps solve design and architectural challenges, but also provides a more efficient way to condition a building. The use of VRF technology empowers a building's occupants with personalized comfort control, provides energy and operational savings to a building owner, and delivers a flexible solution to an architect, engineer, and contractor during the design and installation process.

BRILLIANTLY EFFICIENT ENERGY.

Energy efficiency is about being smart. And our INVERTER-driven compressor technology is as smart as it gets. It uses the absolute minimum energy necessary to maintain personalized comfort levels while adjusting to part-load conditions, which

occur most of the time. By incorporating modern sensing technologies for temperature, humidity, occupancy, among others, energy efficiency is increased even more. VRF systems consistently perform at 25 percent higher efficiency than conventional HVAC systems. In fact, hot and cold spots are eliminated. Our sensors monitor occupancy for Demand Control Ventilation and other energy-saving equipment operations.





or low-profile ducted indoor units are only about 10 inches high and can be tucked into tighter spaces. Compared to large trunks of ductwork, our refrigerant lines save a lot of valuable ceiling space. Plus, our wall-mounted and floor-mounted units require no ceiling space at all.

SUPERIOR TECHNICAL SUPPORT AND SERVICES.

We're continuing to build an unmatched infrastructure across the United States. To support our rapidly emerging CITY MULTI technology, we've established more than 1,000 distributor locations, with the largest network of trained contractors among all VRF manufacturers in the nation – all to help you take advantage of this exciting technology. You'll find service parts, along with all the technical support you may need, are readily available.

We're committed to training. In fact, we've trained more contractors and engineers on VRF technology than any other company in the United States - more than 12,000 in all. We offer training courses nearly every week at each of our seven Training Centers across the country. We've also created Training and Development websites where Engineers can sign-up for CEU-earning product, service, and installation training classes.

MAKE COMFORT PERSONAL.

With CITY MULTI® systems, you get highly accurate zone control that enables building occupants to personalize their comfort. Our indoor air handling units combined with our SmartME zone controller can sense temperature, humidity, lighting and occupancy, and even provide simultaneous cooling and heating capability. It's the kind of control that brings maximum personal comfort to every tenant or occupant.

SMART TOOLS FOR DESIGN.

You'll find all the sophisticated design tools you need to design a VRF system, such as Mitsubishi Electric's Diamond System Builder and Revit models. There are more than 100 Mitsubishi Electric Revit objects in Autodesk® Seek, for easy integration into buildings. Autodesk® Seek enables quick discovery, preview and download of BIM files, models, drawings and product specifications for active design projects. With multiple file formats available, each Model's features will help you get the most out of BIM, with MEP connectors, shared parameters, complete manufacturer BIM model data, geometry that is constrained to references, and a lot more.

LESS SPACE FOR US, MORE SPACE FOR YOU.

Space is a big consideration. With Mitsubishi Electric, it's a much smaller one. That's because our modular system design eliminates the need for mechanical rooms and bulky equipment on your rooftop. We offer a variety of compact indoor and outdoor units that can fit into whatever your space requires. Unlike conventional ducted systems, our ceiling mounted ductless



Make Comfort *Personal*

Want to know more about how our comprehensive product lineup can help you maximize building efficiency for your client? Just visit www.MitsubishiPro.com or call **1-800-433-4822**.



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