

# MSS\_V

TRUE VARIABLE SPEED™  
SCROLL MODULES  
COMBINE WITH  
FIXED SPEED SCROLL  
MODULES



MULTISTACK.COM

**Multistack's True Variable Speed** water-cooled modules offer ultimate system efficiency. **True Variable Speed** compressors are designed specifically to operate with a VFD, giving them a larger operating envelope, better efficiency, and more reliability than a fixed speed scroll (with or without a VFD). Combine variable speed and fixed speed compressors within modules and module arrays for precise designs for process chillers, temperature sensitive designs, and energy focused systems.

- Configure your chiller by mix-matching modules
  - Mix modules of any capacity to deliver 10-600 ton systems
- Fixed speed modules
- One (1) variable speed compressor per module
- Two (2) variable speed compressors per module
- Onboard controls optimize operation at all load conditions with the ability to remotely:
  - Upload software updates
  - Review and download trend data (in 10 second increments)
- Optional PVT controller
  - Control multiple chillers, or
  - Control pumps, towers and other external devices
- Constructed in Total Access™ design for full serviceability
- Leaving water temperature control
- Variable speed modules available in 10, 20, 30, 40 and 50 ton modules
  - 20% improvement in IPLV versus fixed speed modules



# The Multistack Group

## Customer Driven Innovation<sup>SM</sup>

The right choice for the future... today.

### OUR MISSION

To design and build reliable, energy-efficient equipment that fully supports the transition from fossil fuels to renewables through electrification.

### OUR VISION

To create a world where environmentally sensitive design practice, reliability, and redundancy coexist and are embodied in the world's most advanced HVAC equipment.

### SUSTAINABLE CHOICES

At **Multistack**, we recognize and respect the importance of providing HVAC solutions that promote energy and water efficiency, utilize the best refrigerant choices available, and embrace the transition from fossil fuels to electrification.

Water and air-cooled **MagLev**<sup>®</sup> chiller platforms achieve superb efficiency across their full range of operation. Our unique **MagLev** chiller design and unrivalled Transitional Efficiency chiller control algorithms deliver outstanding part-load performance at all condenser-water or ambient temperature conditions. **MagLev** also offers refrigerant choices recognized worldwide as safer for the environment: R-1234ze, R-513A, and R-515B.

Our modular product's design allows you the freedom to use just enough energy to meet your current needs, while offering you the flexibility of incorporating additional modules as your operations grow. Minimizing embodied energy is an important design focus and we pride ourselves that our modular chillers deliver the industry's highest cooling and heating output per pound. If you're looking to cool and heat your building with as little environmental impact as possible, look no further than **Multistack!**

Reach out to your local Multistack design professional to discuss how we can help you realize your design goals for:

- Electrification
- Energy efficiency
- Water usage efficiency
- Energy & heat recovery
- Choosing sustainable refrigerants
- Minimizing refrigerant charge
- Minimizing embodied energy
- Minimizing environmental and physical footprint