

## MSS\_M

REIMAGINED  
MODULAR  
MagLev®

**MagLev was born out of Multistack's bent to harness disruptive technology.** We were the first in America to develop a production magnetic chiller solution when we built our first prototype nearly 17 years ago: the MSS80T. Today we build **MagLev** chillers in excess of 2,000 tons and have leveraged our magnetic product and controls know-how to reimagine that original **MagLev** chiller. The **MSS\_M** embodies everything we've learned enabling us to offer compact footprint, high efficiency, and cutting-edge controls.

### ▪ MagLev Modular Chiller Design

- Available in 90, 120, and 140 ton modules
- Mix and match all module sizes to optimize your chiller design
- Compact 32" wide modules for all sizes fits through a standard 3'-0" door
- Shell and tube evaporator and condenser deliver "near large centrifugal" efficiencies
- Total Access™ configuration standard
  - allows for all maintenance (including cleaning/brushing tubes) on one module without affecting the operation of any others
- Easily integrated into constant or variable flow applications

### ▪ FlexSys® Third Generation (G III) Controls deliver

- 1 to 1 control of compressors for real-time performance optimization
- Onboard control of condenser water ensures proper head pressure control
- Remote accessibility
- Optional control of chilled water and condenser water pump available

### ▪ All the benefits that accrue to MagLev compressors

- Low peak current inrush on starting can often aid in downsizing emergency generators
- Oil-free operation ensuring full efficiency over the life of the chiller
- Excellent turndown: single digit percentages in some cases
- Quietness unparalleled in large tonnage chillers



# 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