MULTISTACK®

ACF_M

NEXT GENERATION AIR-COOLED MAGLEV®

MULTISTACK.COM

Customer driven innovation is powerful. We built the most successful modular chiller company in the world based on the single premise that customers' needs come before our own. It's simple; there are many new technologies and products that appear in the marketplace over the course of a companies existence. Our powerful secret is to engage our customers, understand their needs, and select only the most disruptive technologies to develop into the next **Multistack** solution.

Multistack is far more than just chiller manufacturers... our portfolio covers a broad range of HVAC products both modular and conventional... all focused on *customer driven innovation!*

Next Gen air-cooled flooded MagLev® 60-500 ton capacity

Optimal selection of compressor coil combinations

- Vary coil V-bank and compressor combination to achieve:
  - Maximum efficiency
  - Minimal length

Heat recovery

- Integrated heat recovery capability reduces equipment room footprint
- Reduces labor input through factory installation
- Provides hot water up to 175F for heating needs concurrent with cooling load

Integrated water-side free cooling

- Meet code requirements for water-side economizer
- Water coil overlay integrates coil into existing footprint
- Reduced footprint compared to fluid cooler or modular free cooling

Motor cooling pump

- Pump creates refrigerant mass flow enabling:
  - Improved motor cooling at very low compressor power settings
  - Expanded part-load operation below normal minimum ambients

Adiabatic pre-cooling for condenser

- Adiabatic pre-cooling delivers improved efficiency by reducing condenser air inlet temperatures
- Cutting edge design drives maximum efficiency with minimal water consumption
- Sophisticated controls with FlexSys® drive the saturated condensing temperature to optimize efficient and reliable operation

Integrated intermediate heat exchanger

- Isolates glycol from building load
- Saves footprint in equipment room
- Factory installation reduces project labor costs

Broad range of accessories available within chiller footprint

- Pumps
- Chemical feeders
- Air separators
- Glycol feeders
- Expansion tanks

MULTISTACK

The Multistack Group

Customer Driven Innovation℠

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 worlds 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®** 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

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MULTISTACK | 1065 Maple Ave. Sparta, WI 54656 | T: (608) 366-2400 | F: (608) 366-2450