



# High Performance for Commercial Applications

## YORK® YMAE-130 Air-to-Water Inverter Scroll Modular Heat Pump

An evolutionary development of the 2021 ACR Awards Heat Pump Product of the Year, the YORK® YMAE Air-to-Water Inverter Scroll Modular Heat Pump produces 140 °F (60 °C) hot water at the highest COP in the category. It also delivers the broadest operating envelope in the market, allowing maximum flexibility across the widest range of applications. Combined with the use of ultra-low GWP R-454B refrigerant, the YORK® YMAE is the sustainable, high-performance solution for commercial comfort applications – including offices and schools wanting to minimize their environmental impact while improving efficiency and comfort.

### Performance and Specifications

The next-generation YORK® YMAE features all-new hardware, including innovative electronic vapor injection (EVI) scroll compressors, updated heat exchangers and a new, 4-pipe version.

- 2-pipe (heating or cooling mode) and 4-pipe (simultaneous heating and cooling mode)
- Modular flexibility, with up to 6 units factory packaged and tested on a single frame with single point power
- Simultaneous heating and cooling mode capacity (4-pipe operation with ambient coils providing load balancing as needed) delivers per module:
  - 35 tons (123 kW) cooling @ 44 °F (7 °C) chilled water
  - 546 MBH (160 kW) heating @ 105 °F (40 °C)
  - Combined COP of 7.9
- Cooling operation IPLV (AHRJ): >20
- Heating mode:
  - Achieves 131 °F @ 5 °F (55 °C @ -15 °C)
  - Maximum 140 °F @ 14 °F (60 °C @ -10 °C)
- Part-load operation turndown: 10% of design capacity (inverter scroll EVI system technology)
- Refrigerant: R-454B GWP = 466 (AR4) / 467 (AR5), 78% lower than R-410A
- Certifications at launch: AHRI, UL/ETL
- Ideally suited to reduce the environmental impact of schools, hotels, offices, hospitals and multi-unit residential applications by replacing fossil fuel boilers with high performance heat pump technology



### YMAE-130 Fast Facts

- Highest energy efficiency in its class.
- Electronic vapor injection (EVI) scroll compressors improve capacity and efficiency.
- EVI compressors with wide operation envelope also provide higher water temps at lower ambient conditions.
- Two- and four-pipe options increase application flexibility and efficiency for projects with simultaneous heating and cooling demand.
- An evolution of the award-winning YORK® Amichi™ platform, successfully delivering high performance globally since 2018.

For more information, visit [YORK.COM](https://www.york.com)

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