



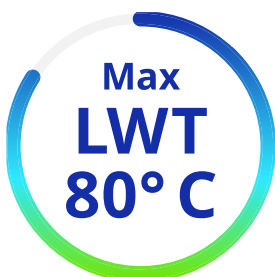
YMAE-P R290 High temperature, Reversible Heat Pump, up to 80°C

YORK® Amichi Series

Air-to-Water Full-Inverter EVI Scroll Modular Heat Pump

The YMAE-P R290 series adopts natural refrigerant (R290) as a future-proof solution ahead of tightening environmental regulations, including F-Gas phase-down and PFAS restrictions.

With hot water temperatures up to 80°C and an industry-leading operating range, the YMAE-P is designed to meet the requirements of a wide range of cooling and heating applications, making it particularly attractive for both new installations and boiler replacement projects where high supply temperatures are essential. Combined with outstanding seasonal efficiency, it delivers a compelling balance of sustainability, versatility and performance.



LWT = Leaving Water Temperature OAT = Outdoor Ambient Temperature

- Highest energy efficiency in its class
- EVI scroll compressors ensure continuous operation and high efficiency across the operating envelope.
- Hot water up to 80°C and operation down to -25°C ambient temperature.
- Ideal for high temperature heating, retrofit and boiler replacement projects.
- Compact footprint and simple installation ideal for retrofit.
- An evolution of the award-winning YORK® Amichi™ platform, successfully delivering high performance globally since 2018.



Performance & Specifications

The next-generation YORK® YMAE-P R290 features all-new technologies, including innovative enhanced vapor injection (EVI) scroll compressors, and enhanced heat exchangers.

Cooling mode:	• OAT: -20~48°C • LWT: -12~20°C
Heating mode:	• Min OAT: -25°C • Max LWT: 80°C

2-pipe reversible heat pump (heating or cooling mode)

Modular flexibility, with up to 4 units factory packaged and tested on a single frame with single point power and up to 32 base modules within one control group.

Equipped with a full-inverter system, delivering seasonal coefficient of performance (SCOP) as high as 4.62

Minimum capacity part load as good as 15% of design capacity (full-inverter EVI scroll system technology)

Ideally suited to support decarbonization of education facilities, offices, medical buildings, and hotels, along with other related commercial sectors.

Full range from 90 kW to 360 kW available in 2027



Download the extended
YMAE-P Sales Brochure

* Eurovent and SG Ready certification in progress.



Shaping the Future of High Temperature Heat Pump Technology

Natural Refrigerant | High Temperature Heating | Smarter Efficiency