AeroPure™ TA Series

SMARDT



AeroPure™ TA Series is an oil-free air source heat pump designed for efficient low-temperature heating. Powered by magnetic bearing technology and intelligent control, it delivers stable, low-carbon heating with quiet, reliable operation.

- **Oil-Free Magnetic Bearing Technology**
- **System-Level Heating Design**
- **Stable Performance Where It Matters**
- **Quiet, Smooth Operation**
- **Built for Electrification**

Key Specifications

- **Capacity range (cooling reference):** 75 RT to 400 RT
- **Heating capacity:** 260 to 1440 kW
- **Cooling capacity:** 260 to 1400 kW
- **Refrigerants:** R134a, R513A, R1234ze, R515B
- **Heating application range:** 90°F to 113°F LWT (32°C to 45°C)
- **Pressure ratio:** ≤ 6.2

System Design

- **Oil-free magnetic bearing compressors**
- **Intelligent control logic**
- **Integrated defrost management designed for stable heating operation**

Configuration

- **Fans:** 6 / 12 / 18 / 24
- **Compressors:** 1 / 2 / 3 / 4
- **Circuits:** 1 / 2 / 3 / 4

Controls & Integration

- **BAS ready**
- **Modbus and BACnet communication**