

Commercial Air Handling Unit for HVAC Systems

An air handling unit regulates and circulates air within a heating, ventilating, and air-conditioning (HVAC) system. The unit is a large metal box containing a blower, heating or cooling elements, filter racks, sound attenuates, and dampers.



ADDITIONAL IMAGES



Product Overview

Professional Commercial Air Handling Unit

This high-performance commercial air handling unit is engineered for demanding HVAC environments, including industrial, medical, and clean room applications. It features robust construction with advanced heat exchange technology, offering precise temperature control and efficient air circulation. Designed for reliability, the system incorporates comprehensive safety protections, including high/low-pressure switches, anti-frost, and power phase sequence monitoring.

Performance Metrics

Cooling Capacity Range

3.9 kW

Minimum Cooling

9.03 kW

Maximum Cooling

Heating Capacity Range

4.25 kW

Minimum Heating

9.23 kW

Maximum Heating

Technical Specifications

Refrigerant	R410A
Heat Exchanger Types	Copper-Fin-Coil (Air Side), Plate Type (Water Side)
Water Connection	DN40 (Soft Connection)
Max Pressure	1 MPa

Electrical Requirements

Safety Protections

- High/low-pressure switch
- Anti-frost protection
- Water-flow switch
- Over-load protection
- Power phases sequence protection

Power Supply

380V / 3Ph / 50Hz

Dimensions and Weight

Unit Dimensions & Weight

Model Variant	Dimensions (LxWxH)	Net Weight
TFNP(14)ADA	1082x435x1456 mm	111
TFNP(16)ADA	1082x435x1456 mm	120
TFNP(21.5)ADA	1620x1034x2041 mm	270
TFNP(24.8)ADA	1620x1034x2041 mm	290