



KLİSEF AIR HANDLING UNITS



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ABOUT KLISEF



Klisef was established in 2015 and is currently located in Saracalar Mah. 57. Cadde No: 19 Akyurt, Turkey with an annual production capacity of hundreds of Air Handling Units (AHU), consisting of 80 employees, engineers and technical staff, sitting on an open area of 12,000 m² and a closed area of 5,000 m².



AIM

To be a pioneering group that makes a positive contribution to the society and the environment by keeping customer satisfaction in the forefront without compromising the quality of its products and services, increasing its targets day by day with the successes it has obtained from its activities and aiming to serve the masses.

VISION

Working on the principle of customer focus Manufacturing AHU with the most affordable costs, delivering orders on time, reaching the highest level of product quality ensuring the satisfaction of our customers and employees. Maximizing the ease of after-sales service to create a happy and peaceful environment for all employees as well as growth and development according to targets and expectations to manage investment plans.



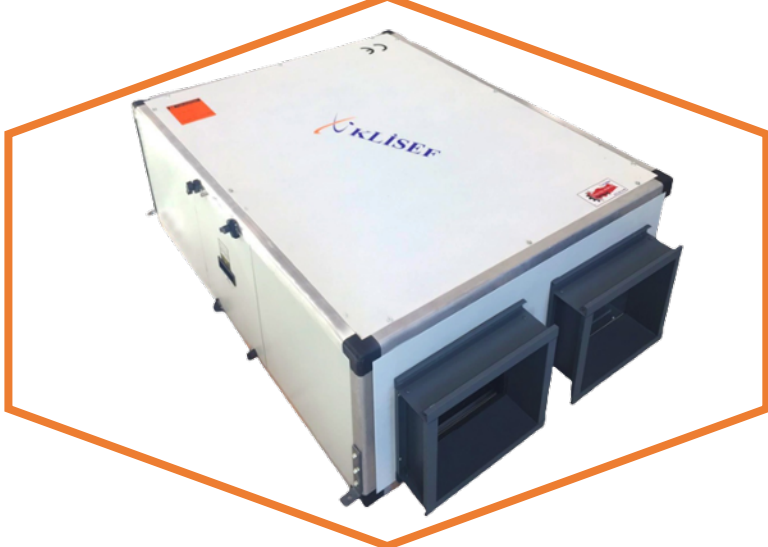
KKS - KLISEF AIR HANDLING UNITS

- ▶ **Production Range:** 1,500 - 80,000 m³/h air flow rates.
- ▶ **Models:** 56 different models with unlimited configurations.
- ▶ **Panel Thickness:** 60 mm
- ▶ **Insulation:** 70 Kg/m³ Rockwool.
- ▶ **Sheets:** Galvanised, Painted or Stainless Steel
- ▶ **Gaskets:** EPDM
- ▶ **Structure:** Aerodynamic for min. pressure loss and max. soundproofing.
- ▶ **Fans:** Forward inclined, Backwards curved, aerodynamic and plug type fans as well as EC plug.
- ▶ **Filter:** G4 filters, multi-stage filtration.
- ▶ **Control:** Fully integrated Electronic Control.
- ▶ **Options:** UV light, observation glass, Manometer, Fan and Pressure sensors, Siphons, VFD, Lighting, Gateway switch, Start-Stop button, project based design flexibility.
- ▶ **Certificates:** CE, EUROVENT, TSE, ISO9001.



KHNS - KLISEF POOL DEHUMIDIFIER UNITS

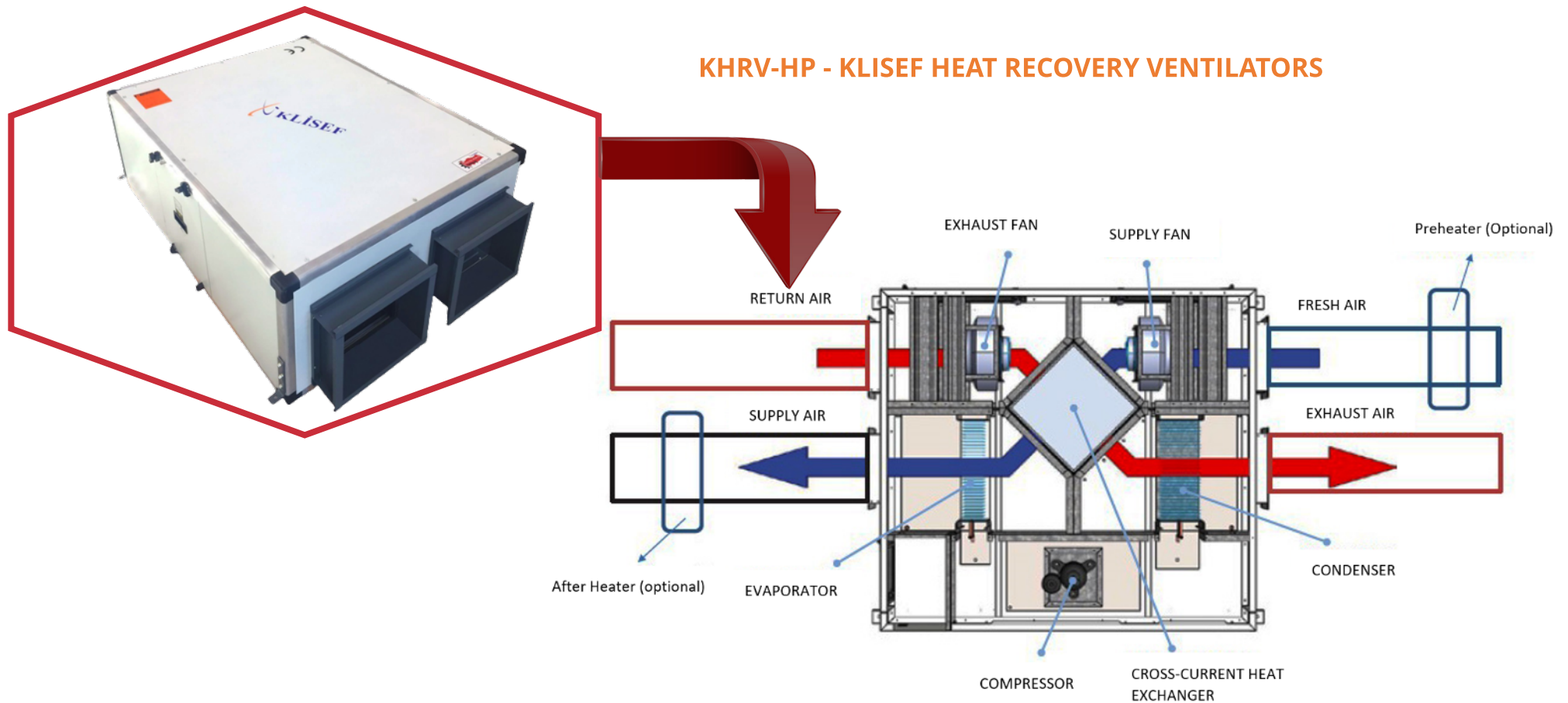
- ▶ **Production Range:** 3000 - 32,000 m³/h
- ▶ **Versions:** Plate Heat Recovery, Heat Pipe Heat Recovery and No Heat Recovery.
- ▶ **Panel Thickness:** 50 mm
- ▶ **Insulation:** 70 Kg/m³ Rockwool.
- ▶ **Sheets:** Galvanised, Painted or Stainless Steel
- ▶ **Gaskets:** EPDM
- ▶ **Structure:** Aluminum frame, Double sheet sandwich panels, plate or heat pipe heat recovery units, Cu/Al epoxy coated 3-way valve and motor, flow rate control, hydrophilic and electrostatic coated evaporator, condenser and heater coil, scroll hermetic compressor and R410A gas.
- ▶ **Fans:** Forward inclined, Backwards curved, aerodynamic and plug type fans.
- ▶ **Dehumidification Capacity Range:** 20 - 205 Kg/h
- ▶ **Control:** Fully integrated Electronic Control (MCC+DDC panels).
- ▶ **Options:** F7 Filter bag, Electronic Expansion Valve, Cloud Tech., EC fan, Electric heater, project based design flexibility.
- ▶ **Certificates:** CE, TSE, ISO9001.



KHRV - KLISEF HEAT RECOVERY VENTILATORS

- ▶ **Production Range:** -
- ▶ **Versions:** KHRV series
- ▶ **Insulation:** Special heat and sound insulation.
- ▶ **Sheets:** Galvanised and Painted
- ▶ **Structure:** Compact structure - whole system in the same casing, cross-current aluminum heat recovery heat exchanger with high conductivity performance
- ▶ **Fans:** High efficiency plug type fans and radial fans with aerodynamic backward curved blades.
- ▶ **Filter:** G4 class synthetic fiber filters
- ▶ **Control:** Fully integrated Electronic Control and Building Automation System connect possibility.
- ▶ **Options:** Fresh - Exhaust air damper, Duct type electric heater, flow control, speed switch, by-pass damper, aqueous or DX heating/cooling coil, Duct type attenuator, humidity sensor dirty filter warning fresh air quality sensor, plate heat exchanger frost protection, aqueous coil frost protection, fresh air supply temp. limitation, 3 way valve and motor plus design flexibility.
- ▶ **Certificates:** CE, TSE, ISO9001.

KHRV-HP - KLISEF HEAT RECOVERY VENTILATORS



KHRV-HP

- ▶ **Production Range:** 650 - 5,500 m³/h
- ▶ **Versions:** KHRV-HP series
- ▶ **Insulation:** Special heat and sound insulation.
- ▶ **Sheets:** Galvanised and Painted
- ▶ **Structure & General Specs:** Compact structure, the whole system is in the same body, Cross-current aluminum plate heat recovery heat exchanger with high conductivity and performance, Copper tube – high efficiency evaporator and condenser of aluminum fin type, High efficiency compressor, High quality G4 class synthetic fiber filters, Special insulated heat and sound insulation, Electrostatic powder coated drainage pan made of corrosion resistant galvanized sheet, Design for easy installation and maintenance, Possibility to connect to the building automation system (BMS)
- ▶ **Fans:** High efficiency plug type fans (AC/EC).
- ▶ **Filter:** G4 class synthetic fiber filters
- ▶ **Control:** Fully integrated Electronic Control and Building Automation System connect possibility.
- ▶ **Options:** Fresh Air Damper, Exhaust Air Damper, Duct Type Electric Heater, Flow Control, Speed Switch, Duct Type Attenuator, Dirty Filter Warning, Fresh Air Quality Sensor, Plate Heat Exchanger Frost Protection, BACnet MS/TP Control, Fresh Air Blowing Temperature Limitation, Flexibility in Design and Production Suitable for Special Projects.
- ▶ **Certificates:** CE, TSE, ISO9001.

TROPICAL ROOFTOP



ROOFTOP



MINI ROOFTOP



ROOFTOP AIR HANDLING UNITS

- ▶ **Production Range:** 2,850 - 35,000 m³/h
- ▶ **Versions:** KTRS - KTRH -KRTP series
- ▶ **Cooling/Heating Capacity:** 19 - 200 kW.
- ▶ **Insulation:** Rockwool 70 Kg/m³
- ▶ **Sheets:** Galvanised and Painted.
- ▶ **Thickness:** 50 mm double-wall
- ▶ **Structure & General Specs:** Compact design suitable for T₃ Climatic zones, Eco-friendly R410A gas, compatible with different building types, Plug & Play, Cooling Only or Heat-Pump Options and Easy Installation and Maintenance, High Seasonal Efficiency, Thermodynamic Heat Recovery, Independent Dual Circuit Cooling, Low CO₂ footprint, low energy consumption and costs.
- ▶ **Fans:** Centrifugal, EC/AC Plug fans with high efficiency and quiet operation.
- ▶ **Filter:** G4 class synthetic fiber filters
- ▶ **Control:** Improved microprocessor control
- ▶ **Options:** Economizer, Filter dirty Sensor, Bag Filter Cell, CO₂ Sensor, Electric Heater, Enthalpy Control, Cooling & Heater coil, Condenser Fan Speed Control, Smoke Detector, Electronic Expansion Valve
- ▶ **Certificates:** CE, TSE, ISO9001.

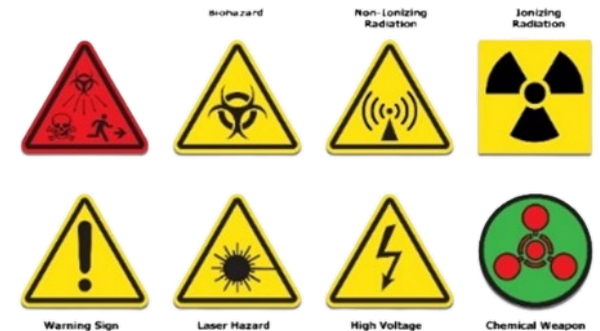
- ▶ **Production Range:** 2,000 - 5,850 m³/h
- ▶ **Versions:** KTTRS - KTTRH series
- ▶ **Cooling/Heating Capacity:** 10 - 30.6 kW.
- ▶ **Insulation:** Special heat and sound insulation.
- ▶ **Sheets:** Galvanised and Painted.
- ▶ **Thickness:** 50 mm double-wall
- ▶ **Structure & General Specs:** Compact and Separate unit options, Optimized design that makes it easy to access parts, Energy efficient, Eco-friendly R410A gas, Heating even in low air temperatures,
- ▶ **Fans:** EC/AC plug fan.
- ▶ **Filter:** G4 class synthetic fiber filters
- ▶ **Control:** Improved microprocessor control.
- ▶ **Options:** Filter Pollution Sensor, Electric Heater, CO₂ sensor, Air Flow control, Condenser Fan Speed Control, Electronic Expansion Valve, Epoxy or hydrophilic coating for Dx and condenser coil.
- ▶ **Certificates:** CE, TSE, ISO9001.

SPEED SWITCH



DUCT TYPE SHELTER VENTILATION

- ▶ **Production Range:** 700 - 3,000 m³/h
- ▶ **Versions:** KSHS series
- ▶ **Insulation:** Rockwool 70 Kg/m³
- ▶ **Sheets:** Galvanised and Painted.
- ▶ **Thickness:** 50 mm double-wall
- ▶ **Structure & General Specs:** By-pass aluminum air damper, Easy-to-change sliding filters, High efficiency and low noise level, Easy assembly, Compliant with Shelter ventilation regulations.
- ▶ **Fans:** Self-propelled and direct-coupled plug fans with backward curved sparse blades
- ▶ **Filter:** G4/EU4 Class Coarse, Activated Carbon, Nuclear HEPA
- ▶ **Control:** EC
- ▶ **Options:** Lead separator, Lead sheet covered inner walls
- ▶ **Certificates:** CE, TSE, ISO9001.
- ▶ **NOTE:** Can be produced compact AHU.





STEAM HUMIDIFIER

- ▶ **Production Range:** 5 - 110 Kg/h
- ▶ **Versions:** HUMAC series
- ▶ **Sheets:** Stainless Steel
- ▶ **Structure & General Specs:** Stainless steel electrodes, Steam dispensing nozzle made of stainless steel, Electrostatic powder coated outer surfaces, High temperature resistant and flexible steam distribution pipe, Easily replaceable steam production cylinders, Proportional capacity control, Cylinder cleaning feature during initial operation, Ability of the device to discharge itself when not working for a long time, Specially designed front panel allows for comfortable maintenance and repair
- ▶ **Certificates:** CE, TSE, ISO9001.



KPHKS - SURGICAL PACKAGE HYGIENIC AIR HANDLING UNIT

- ▶ **Production Range:** 2000 - 12000 m³/h
- ▶ **Versions:** KPHKS series
- ▶ **Cooling/Heating Capacity:** 20 - 180 kW.
- ▶ **Insulation:** Double-walled, fire-resistant rockwool insulated, 50mm thick panels
- ▶ **Sheets:** Galvanised and Painted or stainless(AISI304).
- ▶ **Structure:** Mono block carcass design, 100% fresh air, blended air, heat recovery (water to air), Water Heating or Electric Heating, Steam Humidifier.
- ▶ **Fans:** High efficiency plug type fans and radial fans with aerodynamic backward curved blades.
- ▶ **Filter:** M5/F7/F9 ISO 16890 class filters
- ▶ **Control:** Sensitive and Proportional capacity control with scroll compressor, Sensitive control with energy-efficient EC/AC Plug fans, Automation infrastructure that can work in harmony with every brand VRF Outdoor Unit, Design according to DIN1946/4 hygiene standards.
- ▶ **Options:** -
- ▶ **Certificates:** CE, TSE, ISO9001.

