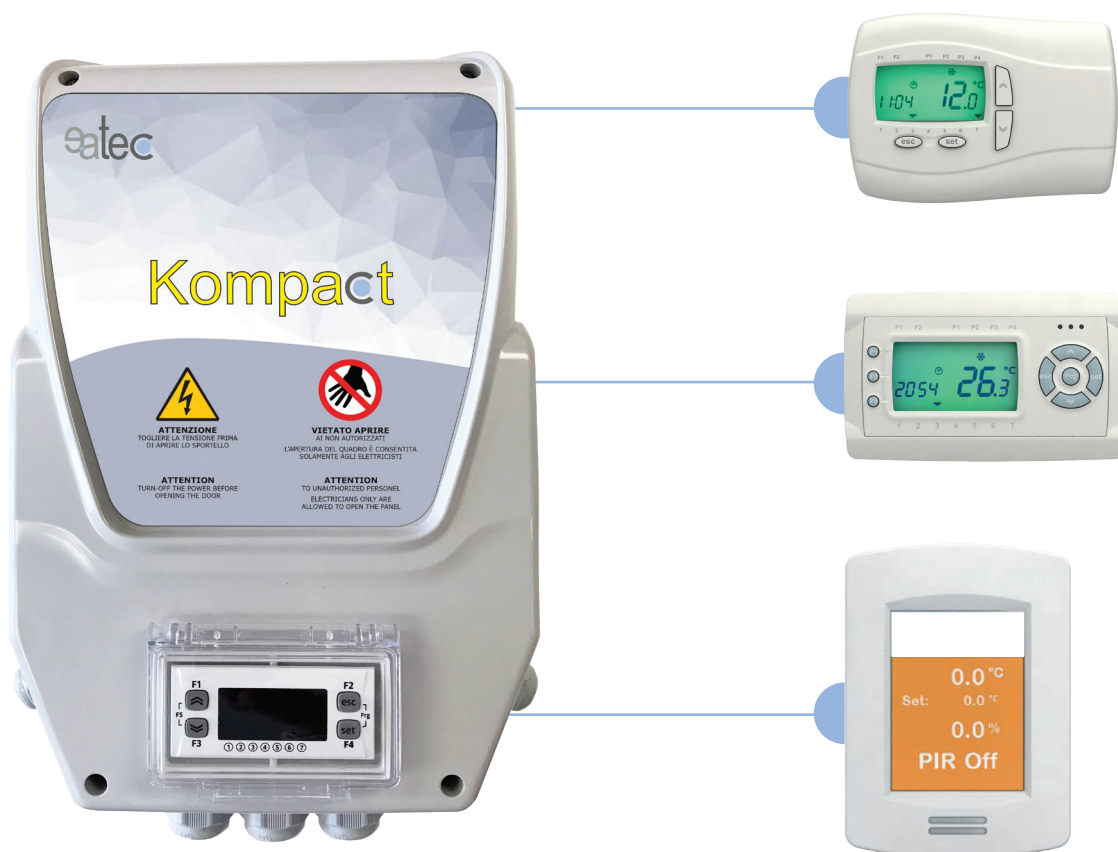


Compact solution for HEAT RECOVERY



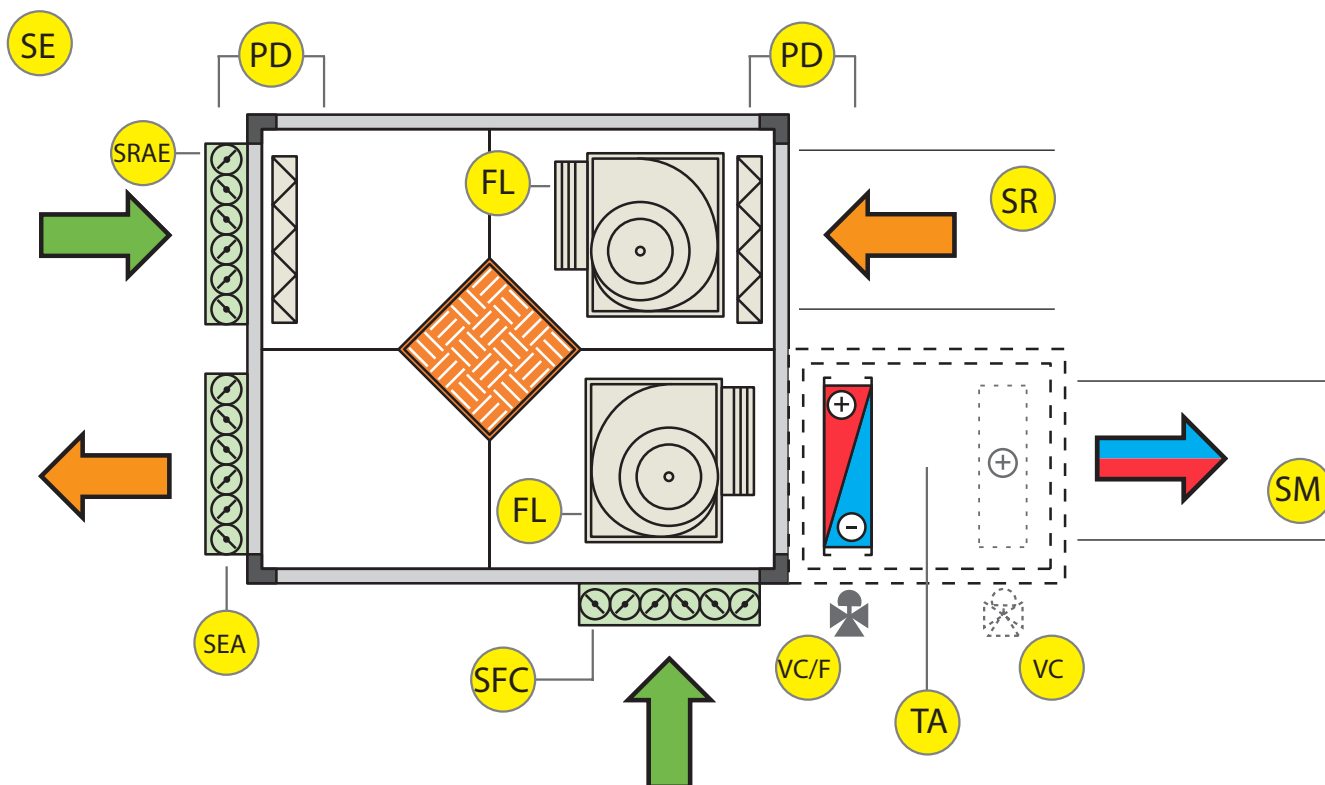
Kompact is Eatec's compact solution for controlling small AHU heat recovery.

A small electrical panel in a IP54 plastic housing including: a PLC NKP 5500, a three-phase power contactor max 5,5 kW and fuse protections.

There are 2 types of remote panels with LCD display available, wall-mounted (NKW 5522), panel (NKP 5522) or touch panel to 3,5" (NKP1100).

The parameter setting is user friendly.

eatec



- SRAE** Outdoor air damper
- SEA** Air exhaust damper
- SFC** Free cooling damper
- FL** Flow switch
- PD** Air differential pressure switch

- SE** Outdoor temperature sensor
- SR** Return temperature sensor
- SM** Temperature sensor supply
- TA** Frost protection thermostat
- VC/F** Mixing valve heat/cool - cool
- VC** Valve heat

TECHNICAL FEATURES

- Single-phase version with 1 internal contactor to 5,5 kW.
- Fuse base for motor protection.
- 4 analog inputs: air sensor supply, frost protection sensor, return or room sensor from optional remote panel.
- 3 analog outputs 0...10 Vdc and 1 for EC motors or inverters, 2 for hot-cold water heat register.
- 4 digital inputs: pressure switch, flow switch, engine block, frost protection thermostat optionally.
- 5 digital outputs: supply/return engine gear, heating or cooling, outdoor air damper.
- Removable user interface (max 40 m LAN) NKW5522 / NKP5522 or by 4,3" touch screen.
- Integration with ModBus.

FUNCTION

- Power handling by 2 single-phase motor through a single 5,5 kW contactor.
- Variable supply speed at 4 steps (0-30-60-100%) in simultaneous supply/return.
- Temperature control: up to 2 modulating valves (0...10 Vdc) and 2 on-off damper.
- Room or supply temperature control.
- Free cooling and free heating with outdoor sensor.
- Frost protection function with NTC sensor or optional thermostat.

Exclusion:

Protection of the 2 motors inside the electrical panel.

Model

KCR1

Power supply

single-phase

Power

up to 5,5 kW