

EVO S



MODULAR AIR HANDLING UNIT STANDARD EXECUTION


AIR CAPACITY [m³/h]

500 ÷ 120 000

30 BASIC
SIZES

Component Construction

Framework	Advanced composite profiles or high corrosion resistant galvanized steel profiles (insulation version 50), plastic corners. For the gas modules, corners made of plastic resistant to a temperature of 190°C.
Panels	Unique Thermal Brake panels made of galvanized metal sheet with high corrosion resistance coating 0,7mm thick. Panel thickness of 50mm (floor 70mm) filled with non-combustible mineral wool – A1 class fire protection. Fixed panels riveted to the framework and insulated with sealant. Access panels fixed by screw. Access doors fixed by handle-hinge or by handles (optional). Sealing access panels-construction by profile gasket.
Base Frame	Foundation foots made from galvanized metal sheet: 5100 ÷ 0300 sizes. Base frame made from galvanized metal sheet: 5100 ÷ 0021 sizes. Base frame height – 120mm or 200mm; foundation foots height – 120mm (the trap is included in the height).
Drain Pan	Made of stainless steel, triple sloped, insulated with rubber mat. Recessed in floor. Drainage pipe made of plastic pipe, led out to the side through the AHU's profile beyond the outline. Universal trap for under and overpressure in the place of operation. It is not required to elevate the frame for the pressure of 600Pa.
Guide vanes	Made of high corrosion resistant galvanized steel or stainless steel.
Air Dampers	Standard aluminium construction. The mechanism hidden in the double profile, separated from external factors.
Connections	Standard flexible connectors with connectable duct profile. For the gas modules, flexible connector made of non-combustible material, resistant up to 110°C.
Add. equipment	"Dumbo" terminals for pressure switch hoses connection, installed on the AHU's fixed casing. Lighting – low voltage led technology – option Porthole – option.

EVO - S CHARACTERISTICS



RIGID FRAME CONSTRUCTION

UNIVERSAL IN WHOLE RANGE
2 OPTIONS OF PROFILES: COMPOSITE OR HIGH ANTICORROSIVE GALVANIZED STEEL

THERMAL BRAKE PANELS

REDUCTION OF THERMAL CONDUCTIVITY
ECONOMIC BENEFITS

INSULATION

50mm FIREPROOF MINERAL WOOL



FAN SET

DDP | SINGLE OR MULTIFAN | AC OR EC SOLUTIONS
FLEXIBLE ARRANGEMENT OF OUTLETS (TOP / BOTTOM / SIDE / FORWARD)



PRACTICAL SOLUTIONS

HINGES / HANDLES
FRAME / FEET

DRAIN PAN

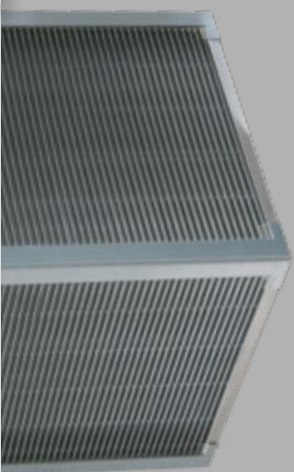
TRIPLE SLOPED
EASY MAINTENANCE
EASY "SLIDE-OUT" COIL ACCESS



ENERGY RECOVERY

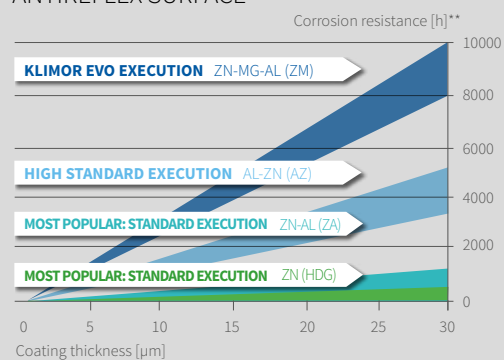
HIGH EFFICIENT HEAT RECOVERY

Rotary heat exchanger efficiency up to 85%
Cross-flow plate heat exchanger efficiency up to 75%
Counter-flow plate heat exchanger efficiency up to 92%
Run-around glycol system up to 76%



ANTI CORROSIVE COATING C5

OPTIONAL AVAILABLE AS: PAINTED OR STAINLESS
ANTIREFLEX SURFACE



The source data: manufacturer, surface treatment: Zn (HDG), Zn-Al (ZA), Al-Zn (AZ), Zn-Mg-Al (ZM)
** The moment of red rust appearance on the given surface (salt spraytest)