



## Characteristics



- Energy saving heat pump air curtains: Up to 70% reduction in costs and CO<sub>2</sub> emissions (heating mode).
- Decorative air curtain in contemporary architectural style. Its minimalist and smart design integrates in any environment and offers infinite options to customize.
- Can include personalized logotypes, signs or graphic designs. It can even incorporate clocks or lighting.
- Front anodized aluminium panels. Optionally manufactured in brushed or mirror polished stainless steel. Other materials are possible, such as wood, metal, etc.
- Central structure made of galvanized steel finished in black forge as standard. Other colours are available on request.
- Anodized aluminium outlet vanes, airfoil shaped, adjustable in both directions.
- EC Double-inlet centrifugal fans driven by an external rotor motor and low noise level, with very low consumption efficiency fans.
- Includes direct expansion coil with sensors. Optional condensate water pump.
- CS-5DX-NE Plug&Play control with 5 speeds and telephone cable 7m included.
- Requires DX Interface KIT adapted for air curtain and programmable control, please consult.
- Ready to connect to MIDEA Inverter outdoor heat pump unit (R410A) with expansion valve, not included, the customer should purchase it.

## Specifications

| Model                  | Airflow<br>m <sup>3</sup> /h | Outdoor Unit (*)      |                       | Power<br>Fans   | Current<br>Fans | Noise<br>Level | Weight |
|------------------------|------------------------------|-----------------------|-----------------------|-----------------|-----------------|----------------|--------|
|                        |                              | 230Vx1                | 400Vx3                | 230V-50Hz<br>kW | 230V-50Hz<br>A  | (5 m)<br>dB(A) |        |
| ZEN ECG 1000 DX10-MD   | 2190                         | MOD30U-36HFN1-QRD0    | MOD30U-36HFN1-RRD0    | 0,213           | 1,86            | 61             | 40     |
| ZEN ECG 1500 DX15-MD   | 2920                         | MOE30U-48HFN1-QRD0    | MOE30U-48HFN1-RRD0    | 0,284           | 2,48            | 62             | 57     |
| ZEN ECG 2000 DX18-MD   | 4380                         | -                     | MOE30U-55HFN1-RRD0    | 0,426           | 3,72            | 63             | 78     |
| ZEN ECG 2000 DX22/2-MD | 4380                         | 2x MOD30U-36HFN1-QRD0 | 2x MOD30U-36HFN1-RRD0 | 0,426           | 3,72            | 63             | 78     |
| ZEN ECG 2500 DX29/2-MD | 5110                         | 2x MOE30U-48HFN1-QRD0 | 2x MOE30U-48HFN1-RRD0 | 0,497           | 4,34            | 64             | 95     |

22/2 Double circuit and two outdoor units of 11kW. 29/2 Double circuit and two outdoor units of 16kW.

(\*) Includes direct expansion valve.

| MIDEA<br>Inverter<br>Outdoor Units | Heating<br>Capacity | Heating<br>Power | SCOP or<br>COP (*) | Cooling<br>Capacity | Cooling<br>Power | SEER or<br>EER (*) | Power<br>Supply | Pipes<br>Gas Liquid | Pipes<br>Maximum<br>Length | Pipes<br>Maximum<br>Height |
|------------------------------------|---------------------|------------------|--------------------|---------------------|------------------|--------------------|-----------------|---------------------|----------------------------|----------------------------|
|                                    | kW                  | kW               | W/W                | kW                  | kW               | W/W                |                 | inch                | m                          | m                          |
| MOD30U-36HFN1-QRD0                 | 11,1                | 2,9              | 3,82               | 10,5                | 3,95             | 2,65               | 230Vx1          | 5/8 3/8             | 65                         | 30                         |
| MOD30U-36HFN1-RRD0                 | 11,1                | 2,9              | 3,82               | 10,5                | 3,95             | 2,65               | 400Vx3          | 5/8 3/8             | 65                         | 30                         |
| MOE30U-48HFN1-QRD0                 | 16,1                | 4,4              | 3,65               | 14,1                | 5,10             | 2,76               | 230Vx1          | 5/8 3/8             | 65                         | 30                         |
| MOE30U-48HFN1-RRD0                 | 16,1                | 4,4              | 3,65               | 14,1                | 5,10             | 2,76               | 400Vx3          | 5/8 3/8             | 65                         | 30                         |
| MOE30U-55HFN1-RRD0                 | 17,6                | 5,5              | 3,20               | 16,1                | 6,30             | 2,55               | 400Vx3          | 5/8 3/8             | 65                         | 30                         |

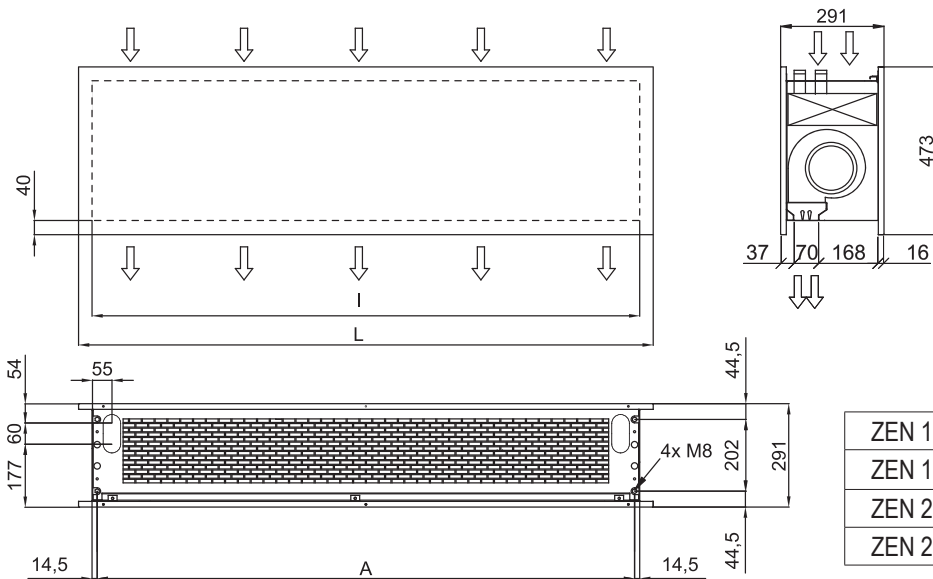
Energy efficiency: SCOP/SEER seasonal ≤12kW, COP/EER >12kW.

Outdoor unit capacities depending on standard conditions: heating 20°CDB indoor / 7°CDB and 6°CWB outdoor, cooling 27°CDB and 19°CWB indoor / 35°CDB outdoor.

When adverse weather conditions, the outdoor unit capacity can decrease. It is recommendable to oversize the units.

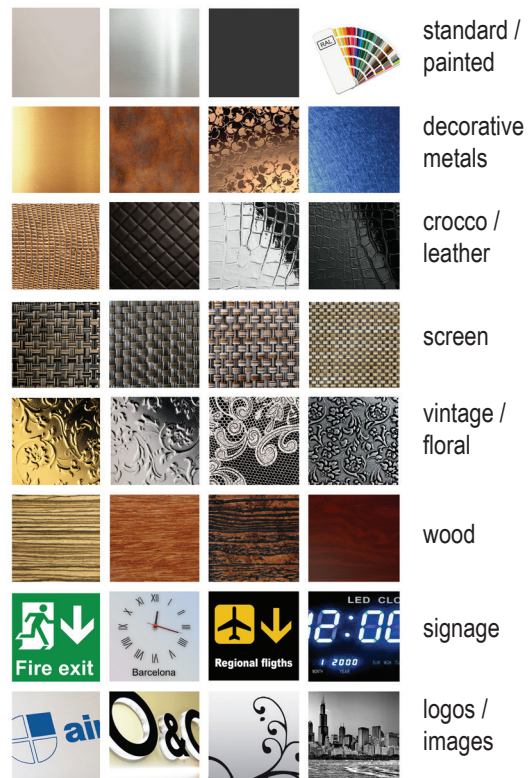


**Dimensions**



|          | L    | I    | A    |
|----------|------|------|------|
| ZEN 1000 | 1220 | 1140 | 1115 |
| ZEN 1500 | 1620 | 1544 | 1515 |
| ZEN 2000 | 2120 | 2044 | 2015 |
| ZEN 2500 | 2620 | 2544 | 2515 |

**Finishes**



- Painted any RAL colour or metal
- Different materials: aluminium, stainless steel AISI 304 (brushed or polished), wood, glass, PVC/PES, etc.
- Logos, lights, clocks, signs, vinyls, patterns, etc.

