

ZEN DX-LG | Heat Pump Energy Saving Air Curtains For LG Outdoor Units (1:1)



Characteristics



- Energy saving heat pump air curtains: Up to 70% reduction in costs and CO₂ 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 LG DX Interface KIT adapted for air curtain and programmable control, please consult.
- Ready to connect to LG Inverter outdoor heat pump unit (R410A / R32) with expansion valve, not included, the customer should purchase it.

Specifications

| Model | Airflow m ³ /h | Outdoor Unit (*) | | Power Fan | Current Fan | Noise Level | Weight kg |
|----------------------|------------------------------|------------------|-----------|-----------------|----------------|----------------|--------------|
| | | 230Vx1 | 400Vx3 | 230V-50Hz kW | 230V-50Hz A | (5 m) dB(A) | |
| ZEN ECG 1000 DX9-LG | 2190 | UU30W U44 | - | 0,213 | 1,86 | 61 | 40 |
| ZEN ECG 1500 DX15-LG | 2920 | UU48W U32 | UU49W U32 | 0,284 | 2,48 | 62 | 57 |
| ZEN ECG 2000 DX22-LG | 4380 | - | UU70W U34 | 0,426 | 3,72 | 63 | 78 |
| ZEN ECG 2500 DX22-LG | 5110 | - | UU70W U34 | 0,497 | 4,34 | 64 | 95 |
| ZEN ECG 2500 DX27-LG | 5110 | - | UU85W U74 | 0,497 | 4,34 | 64 | 95 |

(*) Includes direct expansion valve.

| LG Inverter Outdoor Units | Heating Capacity | Heating Power | SCOP or COP | Cooling Capacity | Cooling Power | SEER or EER | Power Supply | Pipes | | Pipes Minimum Length | Pipes Maximum Length | Pipes Maximum Height |
|---------------------------------|---------------------|------------------|----------------|---------------------|------------------|----------------|-----------------|-------|--------|----------------------------|----------------------------|----------------------------|
| | | | | | | | | Gas | Liquid | | | |
| R410A (*) | kW | kW | | kW | kW | | | inch | | m | m | m |
| UU30W U44 | 9,0 | 2,62 | 4,00 | 7,8 | 2,41 | 6,10 | 230Vx1 | 5/8 | 3/8 | 5 | 50 | 30 |
| UU48W U32 | 15,4 | 4,39 | 3,50 | 14,0 | 4,10 | 3,41 | 230Vx1 | 5/8 | 3/8 | 5 | 75 | 30 |
| UU49W U32 | 15,4 | 4,39 | 3,50 | 14,0 | 4,10 | 3,41 | 400Vx3 | 5/8 | 3/8 | 5 | 75 | 30 |
| UU70W U34 | 22,4 | 6,40 | 3,50 | 19,0 | 6,69 | 2,84 | 400Vx3 | 1 | 3/8 | 5 | 75 | 30 |
| UU85W U74 | 27,0 | 8,31 | 3,25 | 23,0 | 8,19 | 2,81 | 400Vx3 | 7/8 | 1/2 | 5 | 75 | 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.

(*) Also compatible with outdoor units with R32 gas: UU30WR U40, UU36/37/48/49/60/61 WR U30

ZEN VRF-LG | Heat Pump Energy Saving Air Curtains For LG Outdoor Units (VRF)



Characteristics



- Energy saving heat pump air curtains: Up to 70% reduction in costs and CO₂ 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 LG VRF Interface KIT adapted for air curtain and programmable control, please consult.
- Ready to connect to LG VRF outdoor heat pump unit (R410A) and expansion valve not included, the customer should purchase it.

Specifications

| Model | Airflow m ³ /h | LG Direct Expansion Valve | Power Fan 230V-50Hz kW | Current Fan 230V-50Hz A | Noise Level (5 m) dB(A) | Weight kg |
|-----------------------|------------------------------|---------------------------------|---------------------------------|----------------------------------|----------------------------------|--------------|
| ZEN ECG 1000 VRF10-LG | 2190 | PRLK048A0 | 0,213 | 1,86 | 61 | 40 |
| ZEN ECG 1500 VRF15-LG | 2920 | PRLK048A0 | 0,284 | 2,48 | 62 | 57 |
| ZEN ECG 2000 VRF24-LG | 4380 | PRLK048A0 | 0,426 | 3,72 | 63 | 78 |
| ZEN ECG 2500 VRF25-LG | 5110 | PRLK048A0 | 0,497 | 4,34 | 64 | 95 |
| ZEN ECG 2500 VRF29-LG | 5110 | PRLK048A0 | 0,497 | 4,34 | 64 | 95 |

LG VRF Outdoor Units (Heat Pump or Heat Recovery depending on Tonnage)

Multi V S



Multi V 5



Multi V IV

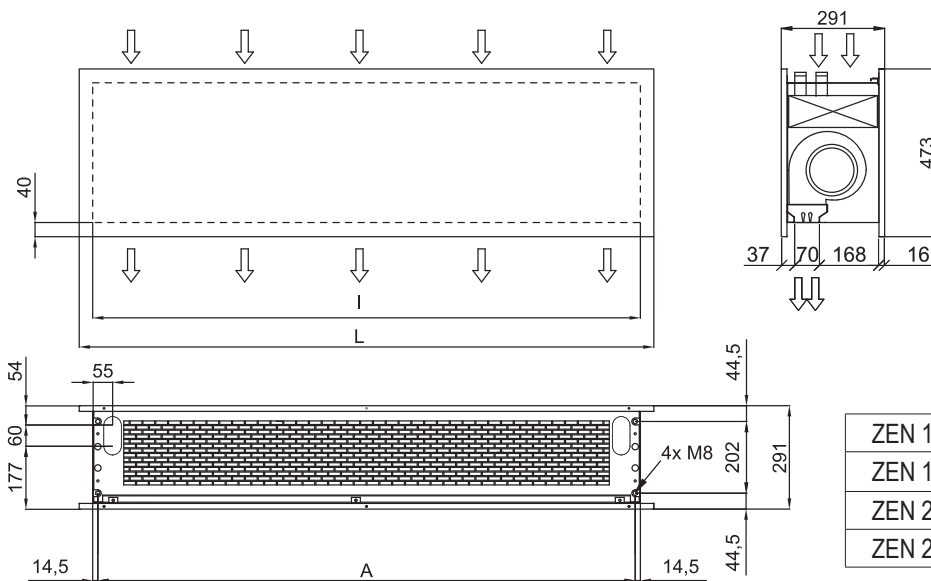


When adverse weather conditions, the outdoor unit capacity can decrease. It is recommendable to oversize the units.

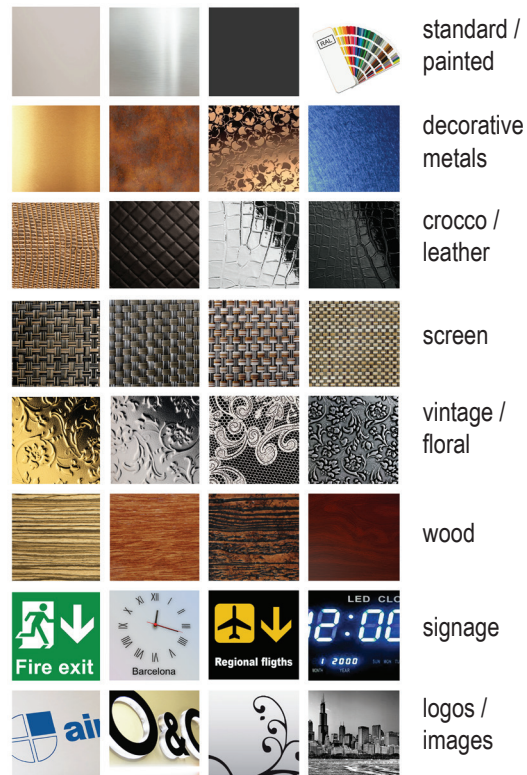
ZEN DX/VRF-LG | Heat Pump Energy Saving Air Curtains For LG Outdoor Units (1:1/VRF)



Dimensions



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.