

## DAM DX-PA | Heat Pump Energy Saving Air Curtains For PANASONIC Outdoor Units (1:1)



### Characteristics



- Energy saving heat pump air curtains: Up to 70% reduction in costs and CO<sub>2</sub> emissions (heating mode).
- Self-supporting casing construction made of galvanized steel plate, finished in structural epoxy-polyester painting white colour RAL9016 as standard. Other colours or stainless steel are available on request.
- Front panel with option to customize and the possibility of including personalized logos, signs, graphic designs, images, etc.
- The inlet areas are located behind the front panel. They do not need maintenance.
- Anodized aluminium outlet vanes, airfoil shaped, adjustable from 0 to 15° each side.
- 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 PANASONIC DX Interface KIT adapted for air curtain and programmable control, please consult.
- Ready to connect to PANASONIC Inverter outdoor heat pump unit (R32) with expansion valve, not included, the customer should purchase it.

### Specifications

| Model                | Airflow<br>m <sup>3</sup> /h | Outdoor Unit |             | Power Fan       | Current Fan    | Noise Level    | Weight<br>kg |
|----------------------|------------------------------|--------------|-------------|-----------------|----------------|----------------|--------------|
|                      |                              | 230Vx1       | 400Vx3      | 230V-50Hz<br>kW | 230V-50Hz<br>A | (5 m)<br>dB(A) |              |
| DAM ECM 1500 DX11-PA | 2460                         | U-100PZH2E5  | U-100PZH2E8 | 0,213           | 1,86           | 57             | 64           |
| DAM ECM 1500 DX13-PA | 2460                         | U-125PZ2E5   | U-125PZ2E8  | 0,213           | 1,86           | 57             | 64           |
| DAM ECM 2000 DX16-PA | 3280                         | U-140PZH2E5  | U-140PZH2E8 | 0,284           | 2,48           | 58             | 81           |
| DAM ECM 2500 DX22-PA | 4100                         | -            | U-200PZH2E8 | 0,355           | 3,10           | 59             | 89           |
| DAM ECM 3000 DX28-PA | 4920                         | -            | U-250PZH2E8 | 0,426           | 3,72           | 60             | 103          |
| DAM ECG 1000 DX10-PA | 2190                         | U-100PZ2E5   | U-100PZ2E8  | 0,213           | 1,86           | 61             | 48           |
| DAM ECG 1500 DX14-PA | 2920                         | U-125PZH2E5  | U-125PZH2E8 | 0,284           | 2,48           | 62             | 70           |
| DAM ECG 1500 DX14-PA | 2920                         | U-140PZ2E5   | U-140PZ2E8  | 0,284           | 2,48           | 62             | 70           |
| DAM ECG 2000 DX22-PA | 4380                         | -            | U-200PZH2E8 | 0,426           | 3,72           | 63             | 91           |
| DAM ECG 2500 DX28-PA | 5110                         | -            | U-250PZH2E8 | 0,497           | 4,34           | 64             | 97           |
| DAM ECG 3000 DX28-PA | 5840                         | -            | U-250PZH2E8 | 0,568           | 5,96           | 65             | 111          |

| PANASONIC<br>Inverter<br>Outdoor Units<br>Standard / Elite | Heating<br>Capacity<br>kW | Heating<br>Power<br>kW | SCOP or<br>COP | Cooling<br>Capacity<br>kW | Cooling<br>Power<br>kW | SEER or<br>EER | Power<br>Supply | Pipes |        | Pipes<br>Maximum<br>Length<br>m | Pipes<br>Maximum<br>Height<br>m |
|--|---------------------------|------------------------|----------------|---------------------------|------------------------|----------------|-----------------|-------|--------|---------------------------------|---------------------------------|
|  |                           |                        |                |                           |                        |                |                 | Gas   | Liquid |                                 |                                 |
|  |                           |                        |                |                           |                        |                |                 | inch  |        |                                 |                                 |
| U-100PZ2E5   | 10,00                     | 2,32                   | 3,80           | 10,00                     | 2,73                   | 5,60           | 230Vx1          | 5/8   | 3/8    | 50                              | 30                              |
| U-100PZH2E8  | 10,00                     | 2,32                   | 3,80           | 10,00                     | 2,73                   | 5,60           | 400Vx3          | 5/8   | 3/8    | 50                              | 30                              |
| U-125PZ2E5   | 12,50                     | 3,11                   | 3,61           | 12,50                     | 3,55                   | 5,56           | 230Vx1          | 5/8   | 3/8    | 50                              | 30                              |
| U-125PZH2E8  | 12,50                     | 3,11                   | 3,61           | 12,50                     | 3,55                   | 5,54           | 400Vx3          | 5/8   | 3/8    | 50                              | 30                              |
| U-140PZ2E5   | 14,00                     | 3,69                   | 3,54           | 14,00                     | 4,40                   | 5,38           | 230Vx1          | 5/8   | 3/8    | 50                              | 30                              |
| U-140PZH2E8  | 14,00                     | 3,69                   | 3,54           | 14,00                     | 4,40                   | 5,37           | 400Vx3          | 5/8   | 3/8    | 50                              | 30                              |
| U-100PZH2E5  | 11,20                     | 2,60                   | 4,40           | 10,00                     | 2,42                   | 6,10           | 230Vx1          | 5/8   | 3/8    | 85                              | 30                              |
| U-100PZH2E8  | 11,20                     | 2,60                   | 4,40           | 10,00                     | 2,42                   | 6,10           | 400Vx3          | 5/8   | 3/8    | 85                              | 30                              |
| U-125PZH2E5  | 14,00                     | 3,48                   | 4,26           | 12,50                     | 3,55                   | 5,88           | 230Vx1          | 5/8   | 3/8    | 85                              | 30                              |
| U-125PZH2E8  | 14,00                     | 3,48                   | 4,26           | 12,50                     | 3,55                   | 5,87           | 400Vx3          | 5/8   | 3/8    | 85                              | 30                              |
| U-140PZH2E5  | 16,00                     | 4,38                   | 4,18           | 14,00                     | 4,30                   | 5,73           | 230Vx1          | 5/8   | 3/8    | 85                              | 30                              |
| U-140PZH2E8  | 16,00                     | 4,38                   | 4,18           | 14,00                     | 4,30                   | 5,72           | 400Vx3          | 5/8   | 3/8    | 85                              | 30                              |
| U-200PZH2E8  | 22,40                     | 6,21                   | 3,61           | 19,50                     | 6,06                   | 5,25           | 400Vx3          | 1     | 3/8    | 90                              | 30                              |
| U-250PZH2E8  | 28,00                     | 8,21                   | 3,64           | 23,20                     | 7,46                   | 4,84           | 400Vx3          | 1     | 1/2    | 60                              | 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.

## DAM VRF-PA | Heat Pump Energy Saving Air Curtains For PANASONIC Outdoor Units (VRF)



### Characteristics



- Energy saving heat pump air curtains: Up to 70% reduction in costs and CO<sub>2</sub> emissions (heating mode).
- Self-supporting casing construction made of galvanized steel plate, finished in structural epoxy-polyester painting white colour RAL9016 as standard. Other colours or stainless steel are available on request.
- Front panel with option to customize and the possibility of including personalized logos, signs, graphic designs, images, etc.
- The inlet areas are located behind the front panel. They do not need maintenance.
- Anodized aluminium outlet vanes, airfoil shaped, adjustable from 0 to 15° each side.
- 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 PANASONIC VRF Interface KIT adapted for air curtain with expansion valve and programmable control, please consult.
- Ready to connect to PANASONIC VRF outdoor heat pump unit (R410A), not included, the customer should purchase it.

### Specifications

| Model                 | Airflow<br>m <sup>3</sup> /h | Panasonic<br>Kit Interface<br>VRF | Power<br>Fan<br>230V-50Hz<br>kW | Current<br>Fan<br>230V-50Hz<br>A | Noise<br>Level<br>(5 m)<br>dB(A) | Weight<br>kg |
|-----------------------|------------------------------|-----------------------------------|---------------------------------|----------------------------------|----------------------------------|--------------|
| DAM ECM 1500 VRF12-PA | 2460                         | PAW-160MAH2                       | 0,213                           | 1,86                             | 57                               | 64           |
| DAM ECM 2000 VRF16-PA | 3280                         | PAW-160MAH2                       | 0,284                           | 2,48                             | 58                               | 81           |
| DAM ECM 2000 VRF19-PA | 3280                         | PAW-280MAH2                       | 0,284                           | 2,48                             | 58                               | 81           |
| DAM ECM 2500 VRF21-PA | 4100                         | PAW-280MAH2                       | 0,355                           | 3,10                             | 59                               | 89           |
| DAM ECM 2500 VRF24-PA | 4100                         | PAW-280MAH2                       | 0,355                           | 3,10                             | 59                               | 89           |
| DAM ECM 3000 VRF26-PA | 4920                         | PAW-280MAH2                       | 0,426                           | 3,72                             | 60                               | 103          |
| DAM ECG 1000 VRF10-PA | 2190                         | PAW-160MAH2                       | 0,213                           | 1,86                             | 61                               | 48           |
| DAM ECG 1500 VRF13-PA | 2920                         | PAW-160MAH2                       | 0,284                           | 2,48                             | 62                               | 70           |
| DAM ECG 1500 VRF15-PA | 2920                         | PAW-160MAH2                       | 0,284                           | 2,48                             | 62                               | 70           |
| DAM ECG 2000 VRF20-PA | 4380                         | PAW-280MAH2                       | 0,426                           | 3,72                             | 63                               | 91           |
| DAM ECG 2000 VRF24-PA | 4380                         | PAW-280MAH2                       | 0,426                           | 3,72                             | 63                               | 91           |
| DAM ECG 2500 VRF25-PA | 5110                         | PAW-280MAH2                       | 0,497                           | 4,34                             | 64                               | 97           |
| DAM ECG 2500 VRF29-PA | 5110                         | PAW-280MAH2                       | 0,497                           | 4,34                             | 64                               | 97           |
| DAM ECG 3000 VRF29-PA | 5840                         | PAW-280MAH2                       | 0,568                           | 5,96                             | 65                               | 111          |

#### PANASONIC VRF compatible Outdoor Units

Mini ECOi (Heat Pump)



ECOi & ECOg (Heat Pump / Heat Recovery)

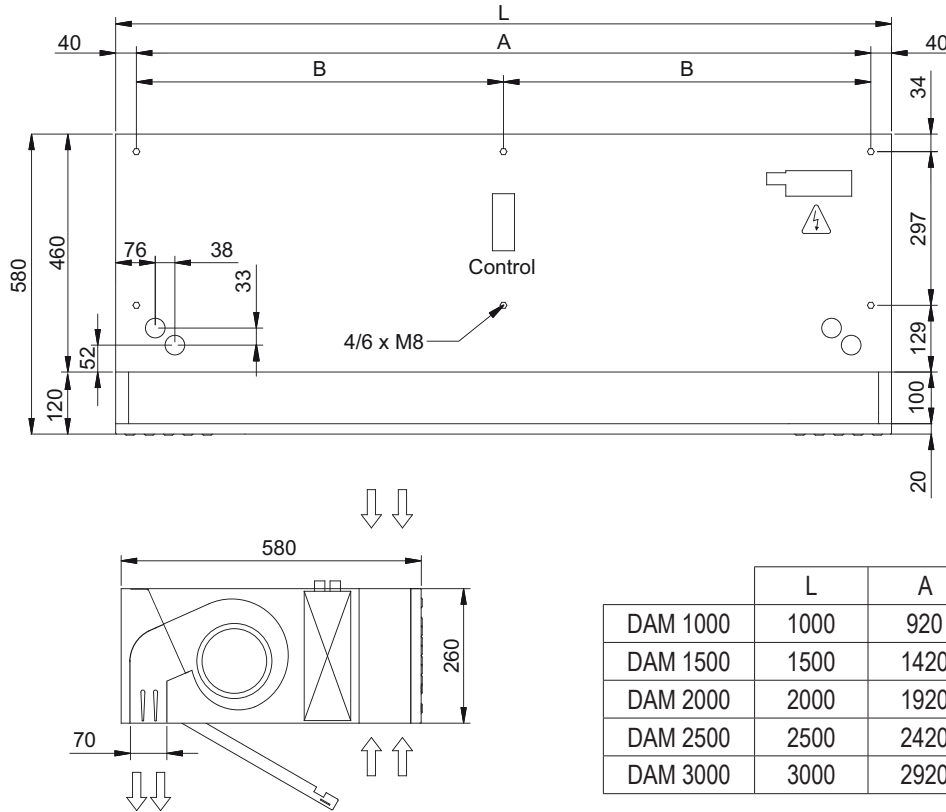


When adverse weather conditions, the outdoor unit capacity can decrease. It is recommendable to oversize the units.

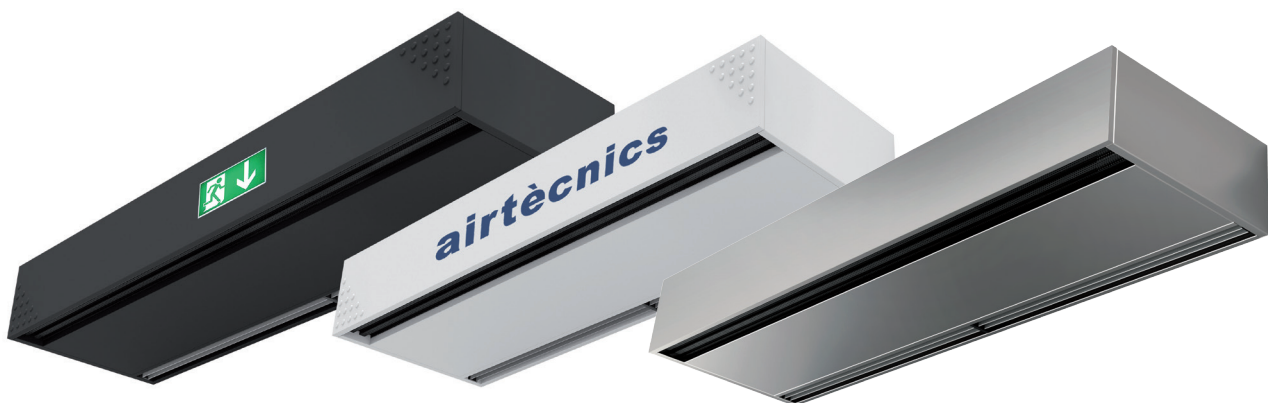
**DAM DX/VRF-PA | Heat Pump Energy Saving Air Curtains For PANASONIC Outdoor Units (1:1/VRF)**



**Dimensions**



**Finishes and details**



- Painted any RAL colour
- Available in stainless steel AISI 304 (brushed)
- Customizable with logos, signs, vinyls, etc.