



## Characteristics



- 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 personalize 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.
- Double-inlet centrifugal fans driven by an external rotor motor and low noise level. 5-speed selector. "EC" models assembled with very low consumption efficiency fans.
- "P" type with water heated coil. "E" type with electrical shielded elements, three stages with integrated regulation. "A" type without heating, air only. Optional expansion DX coil.
- Includes Plug&Play control with 7m RJ45 cable and infrared remote control. Optional: Clever control (programmable, automatic, intelligent, energy saving, Modbus RTU for BMS...).

## Specifications

### AIR ONLY

| Model          | Airflow<br>m³/h | Power Fans<br>230V-50Hz<br>kW | Current Fans<br>230V-50Hz<br>A | Noise Level<br>(5 m)<br>dB(A) | Weight<br>kg |
|----------------|-----------------|-------------------------------|--------------------------------|-------------------------------|--------------|
| DAM M 1000 A   | 1800            | 0,212                         | 0,94                           | 55                            | 38           |
| DAM M 1500 A   | 2700            | 0,318                         | 1,41                           | 56                            | 56           |
| DAM M 2000 A   | 3600            | 0,424                         | 1,88                           | 57                            | 70           |
| DAM M 2500 A   | 4500            | 0,530                         | 2,35                           | 58                            | 76           |
| DAM M 3000 A   | 5400            | 0,636                         | 2,82                           | 59                            | 88           |
| DAM ECM 1000 A | 1840            | 0,132                         | 1,14                           | 56                            | 38           |
| DAM ECM 1500 A | 2760            | 0,198                         | 1,71                           | 57                            | 56           |
| DAM ECM 2000 A | 3680            | 0,264                         | 2,28                           | 58                            | 70           |
| DAM ECM 2500 A | 4600            | 0,330                         | 2,85                           | 59                            | 76           |
| DAM ECM 3000 A | 5520            | 0,396                         | 3,42                           | 60                            | 88           |
| DAM G 1000 A   | 2400            | 0,642                         | 2,85                           | 57                            | 42           |
| DAM G 1500 A   | 3200            | 0,856                         | 3,80                           | 58                            | 61           |
| DAM G 2000 A   | 4800            | 1,284                         | 5,70                           | 59                            | 80           |
| DAM G 2500 A   | 5600            | 1,498                         | 6,65                           | 60                            | 86           |
| DAM G 3000 A   | 6400            | 1,712                         | 7,60                           | 61                            | 98           |
| DAM ECG 1000 A | 2700            | 0,225                         | 1,95                           | 61                            | 42           |
| DAM ECG 1500 A | 3600            | 0,300                         | 2,60                           | 62                            | 61           |
| DAM ECG 2000 A | 5400            | 0,450                         | 3,90                           | 63                            | 80           |
| DAM ECG 2500 A | 6300            | 0,525                         | 4,55                           | 64                            | 86           |
| DAM ECG 3000 A | 7200            | 0,600                         | 5,20                           | 65                            | 98           |

### ELECTRICAL HEATED

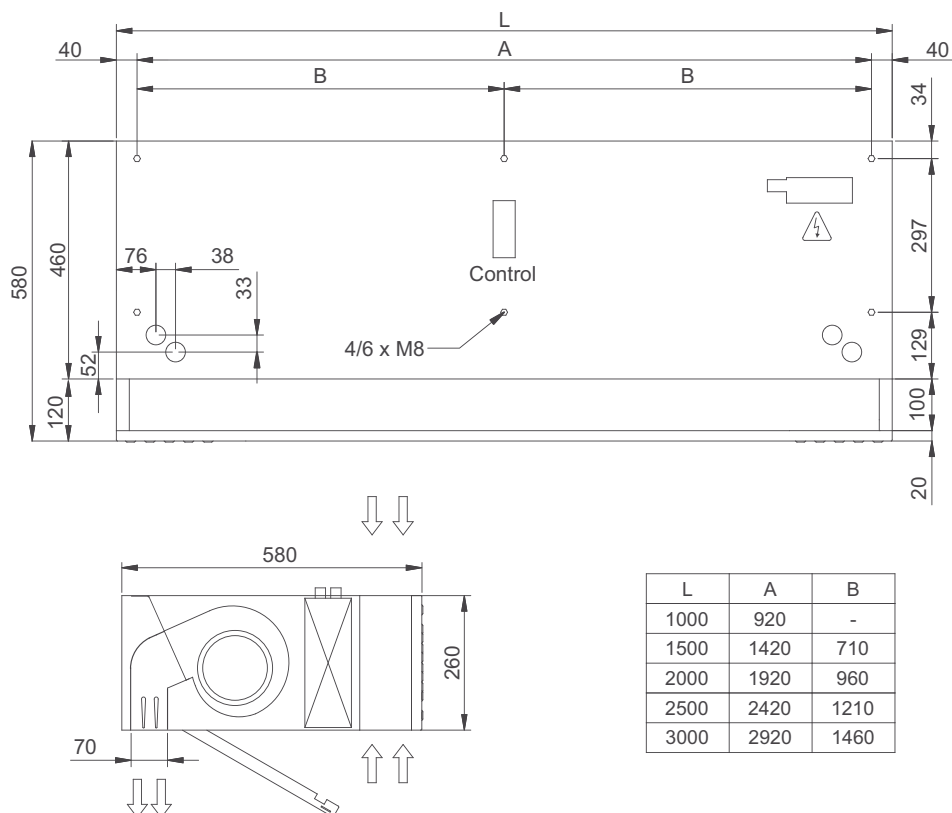
| Model          | Airflow<br>m³/h | Electrical Heating Capacity<br>400Vx3-50Hz<br>kW | Power Fans<br>230V-50Hz<br>kW | Current Fans<br>230V-50Hz<br>A | Noise Level<br>(5 m)<br>dB(A) | Weight<br>kg |
|----------------|-----------------|--------------------------------------------------|-------------------------------|--------------------------------|-------------------------------|--------------|
| DAM M 1000 E   | 1800            | 3/6/9                                            | 0,212                         | 0,94                           | 55                            | 45           |
| DAM M 1500 E   | 2700            | 4/8/12                                           | 0,318                         | 1,41                           | 56                            | 68           |
| DAM M 2000 E   | 3600            | 6/12/18                                          | 0,424                         | 1,88                           | 57                            | 88           |
| DAM M 2500 E   | 4500            | 6/12/18                                          | 0,530                         | 2,35                           | 58                            | 96           |
| DAM M 3000 E   | 5400            | 8/16/24                                          | 0,636                         | 2,82                           | 59                            | 111          |
| DAM ECM 1000 E | 1840            | 3/6/9                                            | 0,132                         | 1,14                           | 56                            | 45           |
| DAM ECM 1500 E | 2760            | 4/8/12                                           | 0,198                         | 1,71                           | 57                            | 68           |
| DAM ECM 2000 E | 3680            | 6/12/18                                          | 0,264                         | 2,28                           | 58                            | 88           |
| DAM ECM 2500 E | 4600            | 6/12/18                                          | 0,330                         | 2,85                           | 59                            | 96           |
| DAM ECM 3000 E | 5520            | 8/16/24                                          | 0,396                         | 3,42                           | 60                            | 111          |
| DAM G 1000 E   | 2400            | 5/10/15                                          | 0,642                         | 2,85                           | 57                            | 50           |
| DAM G 1500 E   | 3200            | 7,5/15/22,5                                      | 0,856                         | 3,80                           | 58                            | 74           |
| DAM G 2000 E   | 4800            | 10/20/30                                         | 1,284                         | 5,70                           | 59                            | 98           |
| DAM G 2500 E   | 5600            | 10/20/30                                         | 1,498                         | 6,65                           | 60                            | 106          |
| DAM G 3000 E   | 6400            | 10/20/30                                         | 1,712                         | 7,60                           | 61                            | 121          |
| DAM ECG 1000 E | 2700            | 5/10/15                                          | 0,225                         | 1,95                           | 61                            | 50           |
| DAM ECG 1500 E | 3600            | 7,5/15/22,5                                      | 0,300                         | 2,60                           | 62                            | 74           |
| DAM ECG 2000 E | 5400            | 10/20/30                                         | 0,450                         | 3,90                           | 63                            | 98           |
| DAM ECG 2500 E | 6300            | 10/20/30                                         | 0,525                         | 4,55                           | 64                            | 106          |
| DAM ECG 3000 E | 7200            | 10/20/30                                         | 0,600                         | 5,20                           | 65                            | 121          |

### WATER HEATED

| Model          | Airflow<br>m³/h | P86                               |                                      | P64                               |                                      | P54                               |                                      | Power Fans<br>230V-50Hz<br>kW | Current Fans<br>230V-50Hz<br>A | Noise Level<br>(5 m)<br>dB(A) | Weight<br>kg |
|----------------|-----------------|-----------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|-------------------------------|--------------------------------|-------------------------------|--------------|
|                |                 | Heating Capacity<br>80/60°C<br>kW | Water Drop Pressure<br>80/60°C<br>Pa | Heating Capacity<br>60/40°C<br>kW | Water Drop Pressure<br>60/40°C<br>Pa | Heating Capacity<br>50/40°C<br>kW | Water Drop Pressure<br>50/40°C<br>Pa |                               |                                |                               |              |
| DAM M 1000 P   | 1660            | 9,17                              | 880                                  | 8,56                              | 4370                                 | 8,52                              | 1220                                 | 0,428                         | 1,90                           | 56                            | 43           |
| DAM M 1500 P   | 2490            | 14,26                             | 760                                  | 13,69                             | 6460                                 | 14,34                             | 4480                                 | 0,642                         | 2,85                           | 57                            | 64           |
| DAM M 2000 P   | 3320            | 20,65                             | 1930                                 | 18,26                             | 4790                                 | 18,65                             | 2060                                 | 0,856                         | 3,80                           | 58                            | 81           |
| DAM M 2500 P   | 4150            | 26,92                             | 3810                                 | 22,12                             | 3850                                 | 24,32                             | 4040                                 | 1,070                         | 4,75                           | 59                            | 89           |
| DAM M 3000 P   | 4980            | 33,24                             | 6590                                 | 28,37                             | 6760                                 | 29,77                             | 5660                                 | 1,280                         | 5,70                           | 60                            | 103          |
| DAM ECM 1000 P | 1720            | 9,38                              | 920                                  | 8,77                              | 4560                                 | 8,74                              | 1280                                 | 0,132                         | 1,14                           | 56                            | 43           |
| DAM ECM 1500 P | 2580            | 14,58                             | 790                                  | 14,02                             | 6730                                 | 14,71                             | 4690                                 | 0,198                         | 1,71                           | 57                            | 64           |
| DAM ECM 2000 P | 3440            | 21,12                             | 2010                                 | 18,70                             | 4990                                 | 19,13                             | 2150                                 | 0,264                         | 2,28                           | 58                            | 81           |
| DAM ECM 2500 P | 4300            | 27,53                             | 3960                                 | 23,33                             | 4010                                 | 24,95                             | 4230                                 | 0,330                         | 2,85                           | 59                            | 89           |
| DAM ECM 3000 P | 5160            | 40,00                             | 6860                                 | 29,05                             | 7050                                 | 30,54                             | 5920                                 | 0,396                         | 3,42                           | 60                            | 103          |
| DAM G 1000 P   | 2250            | 11,04                             | 1230                                 | 10,42                             | 6190                                 | 10,56                             | 1790                                 | 0,642                         | 2,85                           | 57                            | 48           |
| DAM G 1500 P   | 3000            | 16,02                             | 940                                  | 15,47                             | 8020                                 | 16,37                             | 5670                                 | 0,856                         | 3,80                           | 58                            | 70           |
| DAM G 2000 P   | 4500            | 24,92                             | 2700                                 | 22,29                             | 6810                                 | 23,15                             | 3030                                 | 1,284                         | 5,70                           | 59                            | 91           |
| DAM G 2500 P   | 5250            | 31,16                             | 4930                                 | 26,61                             | 5060                                 | 28,76                             | 5450                                 | 1,498                         | 6,65                           | 60                            | 97           |
| DAM G 3000 P   | 6000            | 37,35                             | 8110                                 | 32,10                             | 8410                                 | 34,03                             | 7180                                 | 1,712                         | 7,60                           | 61                            | 111          |
| DAM ECG 1000 P | 2550            | 11,89                             | 1400                                 | 11,27                             | 7110                                 | 11,50                             | 2090                                 | 0,225                         | 1,95                           | 61                            | 48           |
| DAM ECG 1500 P | 3400            | 17,29                             | 1070                                 | 16,77                             | 9240                                 | 17,86                             | 6620                                 | 0,300                         | 2,60                           | 62                            | 70           |
| DAM ECG 2000 P | 5100            | 26,86                             | 3080                                 | 24,14                             | 7850                                 | 25,24                             | 3530                                 | 0,450                         | 3,90                           | 63                            | 91           |
| DAM ECG 2500 P | 5950            | 33,63                             | 5650                                 | 28,84                             | 5840                                 | 31,38                             | 6360                                 | 0,525                         | 4,55                           | 64                            | 97           |
| DAM ECG 3000 P | 6800            | 40,34                             | 9290                                 | 34,81                             | 9710                                 | 37,16                             | 8400                                 | 0,600                         | 5,20                           | 65                            | 111          |

Water heated: connection pipes P86 and P64 are 2x3/4" female (male if lateral pipes), P54 2x1" male. P86 2 rows coil, P64 3 rows coil, P54 4 rows coil.

## Dimensions



## Dam Twin System

The DAM TWIN system consists on two vertical DAM air curtains face to face, one with the air jet ahead and the other behind.

At the end of each jet there is the inlet of the other air curtain helping to close the air barrier.

This double jet works as a closed circuit creating a separation zone at the door entrance.

DAM TWIN system is an optimal solution for installations with very adverse conditions.

