

## ANL 020/202

Chiller, heat pumps and condensing units  
air source for outdoor installation.  
Axial fans and scroll compressors:  
Cooling capacity 5,65÷43,70kW  
Heating capacity 6,27÷44,64kW

## R410A



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**Variable Multi Flow®**

**VMF**



- **STANDARD VERSION**
- **VERSION WITH BUILT-IN HYDRONIC KIT**
- **ABILITY TO PRODUCE DOMESTIC HOT WATER (D.H.W.)**

### Features

- Cooling only, heat pump, and condensing unit models

#### Versions

**ANL\_°:** Chiller without hydronic kit

**ANL\_H:** Reversible heat pumps, without hydronic kit

#### Version with built in hydronic kit

**ANL\_P/HP:** with standard pumps

**ANL\_N/HN:** with high head pressure pumps

**ANL\_A/HA:** with buffer tank and standard pumps

**ANL\_Q/HQ:** with buffer tank head static pressure pumps

**ANL C:** condensing unit

- High efficiency scroll compressors with low power input
- Differential pressure switch / flow switch as standard supply
- Water filter
- Electronic controller (Modu\_control)
- High efficiency heat exchangers
- Axial flow fan units for extremely quiet operation

tion

- Inverter axial flow fan units for heat pumps ANL030H÷ANL090H
- The hydronic kit includes:
  - Expansion tank
  - Safety valve
  - Pressure gauge
- Metallic protective cabinet with anti-corrosion polyester paint

### Accessories

- **MODU-485A:** RS-485 interface for supervision systems with MODBUS protocol.
- **AERWEB300:** The AERWEB option allows remote control of a chiller through a standard PC and an ethernet connection with a standard browser; 4 versions available:
  - AERWEB300-6:** Web server to monitor and remote control maximum 6 units on RS485 network;
  - AERWEB300-18:** Web server to monitor and remote control maximum 18 units on RS485 network;
  - AERWEB300-6G:** Web server to monitor and remote control maximum 6 units on RS485 network with integrated GPRS modem;
  - AERWEB300-18G:** Web server to monitor and remote control maximum 18 units on RS485 network with integrated GPRS modem.
- **MULTICONTROL:** Allows the simultaneous control of several chillers or heat pumps (up to 4) fitted with our MODUCONTROL controller and installed in the same hydraulic system.

For complete control the following accessories are available:

**SPLW:** System water temperature sensor. In most cases the loose supplied sensors for each chiller/heat pump are sufficient. In cases of a common flow/return header this sensor can be used to control the common system supply water temperature for the chillers connected to the header, or it can be used for temperature monitoring.

**SDHW: Domestic hot water temperature sensor.** Used with the storage tank to control the temperature of water produced.

**VMF-CRP to predict accessory for the management of the probes SPLW / SDHW if provided with the MULTICONTROL**

- **PR3:** Simplified remote panel. Permits control of the basic unit functions (on/off and change of operating mode, diagnostics and alarm reset). Maximum distance permitted is 150 m with screened cable.
- **DCPX:** Low temperature device for correct cooling mode operation with ambient tem-

peratures from less than 20 °C down to - 10 °C. **Standard as versions with desuperheater**

- **BDX:** Condensate drip tray for outdoor unit.
- **VT:** Anti-vibration mounts.

#### Accessories factory fitted only

- **DRE:** Electronic soft starter device reducing starting current by about 30%.
- **KR:** Anti-freeze electric heater for the plate heat exchanger, not available for sizes 020A-HA to 040A-HA.
- **KRB:** Electric anti-freeze heater for the base. Prevents the formation of ice on the base.
- **RA:** Anti-freeze electric heater for the buffer tank.

#### Compatibility with the VMF system

For further system information please refer to the specific documentation.

|                                        |                  | Accessories compatibility |    |    |    |    |    |    |    |      |      |      |
|----------------------------------------|------------------|---------------------------|----|----|----|----|----|----|----|------|------|------|
| ANL                                    | vers             | 20                        | 25 | 30 | 40 | 50 | 70 | 80 | 90 | 102  | 152  | 202  |
| <b>Accessories</b>                     |                  |                           |    |    |    |    |    |    |    |      |      |      |
| MODU-485A                              | All              | •                         | •  | •  | •  | •  | •  | •  | •  | •    | •    | •    |
| AERWEB300                              | All              | •                         | •  | •  | •  | •  | •  | •  | •  | •    | •    | •    |
| MULTICONTROL                           | All              | •                         | •  | •  | •  | •  | •  | •  | •  | •    | •    | •    |
| SPLW                                   | All              | •                         | •  | •  | •  | •  | •  | •  | •  | •    | •    | •    |
| SDHW                                   | All              | •                         | •  | •  | •  | •  | •  | •  | •  | •    | •    | •    |
| VMF-CRP                                | All              | •                         | •  | •  | •  | •  | •  | •  | •  | •    | •    | •    |
| PR3                                    | All              | •                         | •  | •  | •  | •  | •  | •  | •  | •    | •    | •    |
| DCPX                                   | (1) (°) - C      | 50                        | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 52   | 52   | 52   |
|                                        | (2) H            | 51                        | 51 | -  | -  | -  | -  | -  | -  | 53   | 53   | 53   |
| BDX                                    | (°) / P          | 5                         | 5  | 5  | 5  | 5  | 5  | 5  | 5  | -    | -    | -    |
|                                        | A                | 5                         | 5  | 5  | 5  | 6  | 6  | 6  | 6  | -    | -    | -    |
| VT                                     | (°) - H - HP - C | 9                         | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 15   | 15   | 15   |
|                                        | A                | 9                         | 9  | 9  | 9  | 15 | 15 | 15 | 15 | 15   | 15   | 15   |
| <b>Accessories factory fitted only</b> |                  |                           |    |    |    |    |    |    |    |      |      |      |
| DRE                                    | (3)              | -                         | -  | -  | -  | 5  | 5  | 5  | 5  | 5 x2 | 5 x2 | 5 x2 |
| KR                                     | °/H/°P/HP        | 2                         | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2    | 2    | 2    |
|                                        | °A/HA            | -                         | -  | -  | -  | 2  | 2  | 2  | 2  | 100  | 100  | 100  |
| KRB3                                   |                  | -                         | -  | -  | -  | -  | -  | -  | -  | •    | •    | •    |
| RA                                     | A/HA             | •                         | •  | •  | •  | •  | •  | •  | •  | -    | -    | -    |
| RA100                                  |                  | -                         | -  | -  | -  | -  | -  | -  | -  | •    | •    | •    |

(1) Standard in the version with desuperheater

(2) The size ANL030H÷ANL090H Inverter fans are fitted as standard

(3) Only available for 400V/3N/50Hz power supply

## Unit Configurator

By suitably combining the numerous options available it is possible to configure each model in such a way as to meet the most particular of system requirements.

| fields | Code                                                                                                                                                                                                                                                                                                                                                                                            |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1,2,3  | ANL                                                                                                                                                                                                                                                                                                                                                                                             |
| 4,5,6  | Size<br>020-025-030-040-050-070-080-090-102-152-202                                                                                                                                                                                                                                                                                                                                             |
| 7      | <b>Model</b><br>° Cooling only<br>H Heat pump                                                                                                                                                                                                                                                                                                                                                   |
| 8      | <b>Version</b><br>° Standard<br>P With pump standard<br>N With high head pump (from size 102 to 202)<br>A With pump and buffer tank<br>Q With buffer tank and high head pump (dalla taglia 050 alla 202)                                                                                                                                                                                        |
| 9      | <b>Heat recovery:</b><br>° Without heat recovery<br>D With desuperheater (4)                                                                                                                                                                                                                                                                                                                    |
| 10     | <b>Coil fins</b><br>° Aluminium<br>R Copper (possible for H version for sizes from 102 to 202)<br>S Tinned copper (possible for H version for sizes from 102 to 202)<br>V Treated aluminium (epoxy coated) <ul style="list-style-type: none"> <li>epoxy paint for sizes 102-152-202 in heat pump models</li> <li>cataphoresis treatment for sizes 102-152-202 in cooling only models</li> </ul> |
| 11     | <b>Field of use</b><br>° Standard (leaving water temperature down to 4°C)<br>Z Low temperature (Low leaving liquid from 4°C down to up to 0°C) (5)<br>Y Low temperature (Low leaving liquid from 0°C down to -6°C) (5)                                                                                                                                                                          |
| 12     | <b>Evaporator</b><br>° Standatd<br>C Condensing unit                                                                                                                                                                                                                                                                                                                                            |
| 13     | <b>Power supply</b><br>M 230V/1/50Hz (from 020 to 040)<br>° 400V/3N/50Hz                                                                                                                                                                                                                                                                                                                        |

(3) The desuperheater is available for sizes from 050 to 090 only with buffer tank, whilst sizes from 100 to 200 are available in all versions. Desuperheater is incompatible with the low temperature options, with the condensing unit version, and for dimensional reasons even with the option Q.

(4) options apply exclusively to cooling only models.

Technical Data

| Model             |     |       |     | 020° | 025° | 030° | 040° | 050°  | 070°  | 080°  | 090°  | 102°  | 152°  | 202°  |
|-------------------|-----|-------|-----|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| Cooling capacity  | (1) | °     | kW  | 5,65 | 6,15 | 7,44 | 9,53 | 13,31 | 16,39 | 20,35 | 22,14 | 26,34 | 32,69 | 42,60 |
|                   |     | P A   | kW  | 5,71 | 6,21 | 7,52 | 9,64 | 13,47 | 16,59 | 20,60 | 22,40 | 26,93 | 33,48 | 43,49 |
|                   |     | N Q   | kW  | -    | -    | -    | -    | 13,73 | 16,9  | 20,9  | 22,72 | 27,07 | 33,7  | 43,7  |
| Total power input |     | °     | kW  | 1,89 | 2,05 | 2,52 | 3,32 | 4,12  | 4,98  | 6,48  | 6,79  | 8,06  | 10,31 | 13,53 |
|                   |     | P A   | kW  | 1,92 | 2,07 | 2,52 | 3,30 | 4,10  | 4,92  | 6,39  | 6,69  | 8,07  | 10,53 | 13,79 |
|                   |     | N Q   | kW  | -    | -    | -    | -    | 4,18  | 5,01  | 6,48  | 6,79  | 8,46  | 10,58 | 13,83 |
| EER               |     | °     | W/W | 3,00 | 3,00 | 2,96 | 2,87 | 3,23  | 3,29  | 3,14  | 3,26  | 3,27  | 3,17  | 3,15  |
|                   |     | P A   | W/W | 2,98 | 3,00 | 2,98 | 2,92 | 3,28  | 3,37  | 3,22  | 3,35  | 3,34  | 3,18  | 3,15  |
|                   |     | N Q   | W/W | -    | -    | -    | -    | 3,28  | 3,37  | 3,22  | 3,35  | 3,20  | 3,18  | 3,16  |
| ESEER             |     | °     |     | 3,43 | 3,43 | 3,4  | 3,33 | 3,74  | 3,82  | 3,65  | 3,71  | 3,85  | 3,99  | 3,94  |
|                   |     | P A   |     | 3,5  | 3,54 | 3,55 | 3,48 | 3,85  | 3,97  | 3,8   | 3,95  | 3,96  | 3,94  | 3,82  |
|                   |     | N Q   |     | -    | -    | -    | -    | 3,66  | 3,77  | 3,61  | 3,75  | 3,61  | 3,74  | 3,62  |
| Water flow rate   |     | TUTTE | l/h | 980  | 1066 | 1290 | 1651 | 2305  | 2838  | 3526  | 3836  | 4575  | 5676  | 7396  |
| Pressure drop     |     | °     | kPa | 21   | 21   | 22   | 24   | 25    | 26    | 34    | 35    | 58    | 61    | 68    |
| Available head    |     | P A   | kPa | 60   | 60   | 59   | 55   | 82    | 81    | 69    | 66    | 84    | 115   | 90    |
|                   |     | N Q   | kPa | -    | -    | -    | -    | 160   | 159   | 144   | 140   | 140   | 185   | 158   |

Cooling: (EN14511:2011)

System side water temperature exchanger (in/out) 12°C/7°C; Source side air temperature exchanger (in) 35°C

(1) The data do not vary between versions 230V/1/50Hz - 400V/3N/50Hz

| Model               |     |     |     | 020H | 025H | 030H | 040H  | 050H  | 070H  | 080H  | 090H  | 102H  | 152H  | 202H  |
|---------------------|-----|-----|-----|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| Cooling capacity    | (1) | °   | kW  | 5,65 | 6,15 | 7,44 | 9,53  | 13,31 | 16,39 | 20,35 | 22,14 | 26,34 | 32,69 | 42,60 |
|                     |     | P/A | kW  | 5,71 | 6,21 | 7,52 | 9,64  | 13,47 | 16,59 | 20,60 | 22,40 | 26,93 | 33,48 | 43,49 |
|                     |     | N/Q | kW  | -    | -    | -    | -     | 13,73 | 16,9  | 20,9  | 22,72 | 27,07 | 33,7  | 43,7  |
| Total power input   |     | °   | kW  | 1,89 | 2,05 | 2,52 | 3,32  | 4,12  | 4,98  | 6,48  | 6,79  | 8,06  | 10,31 | 13,53 |
|                     |     | P/A | kW  | 1,92 | 2,07 | 2,52 | 3,30  | 4,10  | 4,92  | 6,39  | 6,69  | 8,07  | 10,53 | 13,79 |
|                     |     | N/Q | kW  | -    | -    | -    | -     | 4,18  | 5,01  | 6,48  | 6,79  | 8,46  | 10,58 | 13,83 |
| EER                 |     | °   | W/W | 3,00 | 3,00 | 2,96 | 2,87  | 3,23  | 3,29  | 3,14  | 3,26  | 3,27  | 3,17  | 3,15  |
|                     |     | P/A | W/W | 2,98 | 3,00 | 2,98 | 2,92  | 3,28  | 3,37  | 3,22  | 3,35  | 3,34  | 3,18  | 3,15  |
|                     |     | N/Q | W/W | -    | -    | -    | -     | 3,28  | 3,37  | 3,22  | 3,35  | 3,20  | 3,18  | 3,16  |
| ESEER               |     | °   |     | 3,43 | 3,43 | 3,4  | 3,33  | 3,74  | 3,82  | 3,65  | 3,71  | 3,85  | 3,99  | 3,94  |
|                     |     | P/A |     | 3,5  | 3,54 | 3,55 | 3,48  | 3,85  | 3,97  | 3,8   | 3,95  | 3,96  | 3,94  | 3,82  |
|                     |     | N/Q |     | -    | -    | -    | -     | 3,66  | 3,77  | 3,61  | 3,75  | 3,61  | 3,74  | 3,62  |
| Water flow rate     |     |     | l/h | 980  | 1066 | 1290 | 1651  | 2305  | 2838  | 3526  | 3836  | 4575  | 5676  | 7396  |
| Total pressure drop |     | °   | kPa | 21   | 21   | 22   | 24    | 25    | 26    | 34    | 35    | 58    | 61    | 68    |
| Available head      |     | P/A | kPa | 60   | 60   | 59   | 55    | 82    | 81    | 69    | 66    | 84    | 115   | 90    |
|                     |     | N/Q | kPa | -    | -    | -    | -     | 160   | 159   | 144   | 140   | 140   | 185   | 158   |
| Heating capacity    | (1) | °   | kW  | 6,27 | 7,08 | 8,49 | 10,70 | 14,12 | 17,44 | 22,40 | 24,46 | 29,31 | 35,35 | 45,78 |
|                     |     | P/A | kW  | 6,19 | 6,98 | 8,37 | 10,56 | 13,93 | 17,20 | 22,11 | 24,10 | 28,69 | 34,55 | 44,90 |
|                     |     | N/Q | kW  | -    | -    | -    | -     | 13,67 | 16,92 | 21,79 | 23,77 | 28,56 | 34,34 | 44,64 |
| Total power input   |     | °   | kW  | 1,98 | 2,20 | 2,71 | 3,28  | 4,42  | 5,04  | 6,50  | 7,11  | 8,87  | 10,45 | 13,78 |
|                     |     | P/A | kW  | 1,98 | 2,19 | 2,68 | 3,23  | 4,37  | 4,95  | 6,36  | 6,91  | 8,87  | 10,67 | 14,06 |
|                     |     | N/Q | kW  | -    | -    | -    | -     | 4,45  | 5,04  | 6,46  | 7,02  | 9,30  | 10,72 | 14,08 |
| COP                 |     | °   | W/W | 3,17 | 3,22 | 3,13 | 3,26  | 3,20  | 3,46  | 3,45  | 3,44  | 3,30  | 3,38  | 3,32  |
|                     |     | P/A | W/W | 3,12 | 3,19 | 3,12 | 3,27  | 3,19  | 3,48  | 3,48  | 3,49  | 3,23  | 3,24  | 3,19  |
|                     |     | N/Q | W/W | -    | -    | -    | -     | 3,07  | 3,36  | 3,37  | 3,39  | 3,07  | 3,20  | 3,17  |
| Water flow rate     |     |     | l/h | 1066 | 1204 | 1445 | 1823  | 2408  | 2976  | 3818  | 4162  | 4988  | 6020  | 7795  |
| Total pressure drop |     | °   | kPa | 33   | 37   | 37   | 34    | 34    | 36    | 48    | 65    | 69    | 68    | 78    |
| Available head      |     | P/A | kPa | 58   | 56   | 55   | 51    | 82    | 79    | 65    | 61    | 70    | 100   | 68    |
|                     |     | N/Q | kPa | -    | -    | -    | -     | 159   | 157   | 137   | 132   | 117   | 174   | 141   |

Cooling: (EN14511:2011)

System side water temperature exchanger (in/out) 12°C/7°C; Source side air temperature exchanger (in) 35°C

Heating: (14511:2011)

System side water temperature exchanger (in/out) 40°C/45°C; Source side air temperature exchanger (in) 7°C b.s./6°C b.u.

(1) The data do not vary between versions 230V/1/50Hz - 400V/3N/50Hz

|                   |     |     | 020C  | 025C  | 030C  | 040C  | 050C  | 070C  | 080C  | 090C  | 102C  | 152C  | 202C  |
|-------------------|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Cooling capacity  | (1) | kW  | 5,7   | 6,0   | 7,5   | 9,6   | 13,7  | 16,8  | 20,8  | 22,5  | 26,9  | 33,4  | 43,7  |
| Total power input | °   | kW  | 1,85  | 2,05  | 2,5   | 3,3   | 4,1   | 5,0   | 6,5   | 6,8   | 8,6   | 10,2  | 14,10 |
| EER               | °   | W/W | 3,08  | 2,93  | 3,00  | 2,91  | 3,34  | 3,36  | 3,20  | 3,31  | 3,13  | 3,27  | 3,10  |
| Connections       |     |     |       |       |       |       |       |       |       |       |       |       |       |
| Line gas          |     | Ø   | 15,88 | 15,88 | 15,88 | 15,88 | 22    | 22    | 22    | 28    | 28    | 28    | 28    |
| Line liquid       |     | Ø   | 9,52  | 9,52  | 12,7  | 12,7  | 15,88 | 15,88 | 15,88 | 15,88 | 15,88 | 15,88 | 15,88 |

Cooling:

Evaporating temperature 5°C; Source side air temperature exchanger (in) 35°C

(1) The data do not vary between versions 230V/1/50Hz - 400V/3N/50Hz

## Technical Data

| GENERAL DATA                     |          |         |         | 020     | 025     | 030     | 040     | 050     | 070     | 080     | 090     | 102      | 152      | 202      |
|----------------------------------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| Electrical data                  |          |         |         |         |         |         |         |         |         |         |         |          |          |          |
| Total input current cooling mode | (2)      | 230V/1  | A       | 6,43    | 7,3     | 8,17    | 10,78   | -       | -       | -       | -       | -        | -        | -        |
|                                  | (2)      | 400V/3N | A       | 3,7     | 4,2     | 4,7     | 6,2     | 8,7     | 9,7     | 12,2    | 12,8    | 15,57    | 18,81    | 24,67    |
| Total input current heating mode | (2)      | 230V/1  | A       | 6,61    | 7,65    | 9,39    | 11,83   | -       | -       | -       | -       | -        | -        | -        |
|                                  | (2)      | 400V/3N | A       | 3,80    | 4,40    | 5,40    | 6,80    | 9,50    | 10,30   | 12,90   | 13,80   | 17,00    | 19,00    | 25,00    |
| Maximum current (FLA)            | (2)      | 230V/1  | A       | 16,5    | 16,5    | 19,7    | 23,7    | -       | -       | -       | -       | -        | -        | -        |
|                                  | (2)      | 400V/3N | A       | 6,0     | 6,0     | 6,7     | 8,7     | 11,3    | 13,5    | 16,3    | 17,3    | 22,0     | 26,0     | 32,0     |
| Starting current (LRA)           | (2)      | 230V/1  | A       | 59,5    | 62,5    | 83,7    | 98,7    | -       | -       | -       | -       | -        | -        | -        |
|                                  | (2)      | 400V/3N | A       | 26,5    | 32,5    | 35,7    | 48,7    | 65,3    | 75,3    | 102,3   | 96,3    | 76,0     | 87,0     | 117,0    |
| Compressors                      |          |         |         |         |         |         |         |         |         |         |         |          |          |          |
| Compressors                      |          |         | type    | scroll  | scroll  | scroll  | scroll  | scroll  | scroll  | scroll  | scroll  | scroll   | scroll   | scroll   |
|                                  |          |         | n°      | 1       | 1       | 1       | 1       | 1       | 1       | 1       | 1       | 2        | 2        | 2        |
| Circuits                         |          |         | n°      | 1       | 1       | 1       | 1       | 1       | 1       | 1       | 1       | 1        | 1        | 1        |
| Capacity control                 |          |         | %       | 0-100   | 0-100   | 0-100   | 0-100   | 0-100   | 0-100   | 0-100   | 0-100   | 0-50-100 | 0-50-100 | 0-50-100 |
| Refrigerant                      |          |         | type    | R410A   | R410A   | R410A   | R410A   | R410A   | R410A   | R410A   | R410A   | R410A    | R410A    | R410A    |
| System side exchanger            |          |         |         |         |         |         |         |         |         |         |         |          |          |          |
| Exchanger                        |          |         | type    | plate   | plate   | plate   | plate   | plate   | plate   | plate   | plate   | plate    | plate    | plate    |
|                                  |          |         | n°      | 1       | 1       | 1       | 1       | 1       | 1       | 1       | 1       | 1        | 1        | 1        |
| hydraulic connections            | (in/out) | Ø       | 1"¼     | 1"¼     | 1"¼     | 1"¼     | 1"¼     | 1"¼     | 1"¼     | 1"¼     | 1"¼     | 1"¼      | 1"¼      | 1"¼      |
| Fans standard                    |          |         |         |         |         |         |         |         |         |         |         |          |          |          |
| Fans                             |          |         | type    | axial   | axial   | axial   | axial   | axial   | axial   | axial   | axial   | axial    | axial    | axial    |
|                                  |          |         | n°      | 1       | 1       | 1       | 1       | 2       | 2       | 2       | 2       | 2        | 2        | 2        |
| Air flow rate cooling mode       |          |         | m³/h    | 2500    | 2500    | 3500    | 3500    | 7200    | 7200    | 7300    | 7200    | 14000    | 13500    | 13500    |
| Sound data                       |          |         |         |         |         |         |         |         |         |         |         |          |          |          |
| Sound pressure                   |          |         | dB(A)   | 30      | 30      | 37      | 37      | 38      | 38      | 38      | 37      | 44       | 45       | 46       |
| Sound power                      |          |         | dB(A)   | 61      | 61      | 68      | 68      | 69      | 69      | 69      | 68      | 76       | 77       | 78       |
| Power supply                     |          |         | V/ph/Hz | 230V/1  | 230V/1  | 230V/1  | 230V/1  | -       | -       | -       | -       | -        | -        | -        |
|                                  |          |         | V/ph/Hz | 400V/3N | 400V/3N | 400V/3N | 400V/3N | 400V/3N | 400V/3N | 400V/3N | 400V/3N | 400V/3N  | 400V/3N  | 400V/3N  |

### Sound power

Aermec determines sound power values on the basis of measurements made in accordance with UNI EN ISO 9614-2, as required for Eurovent certification.

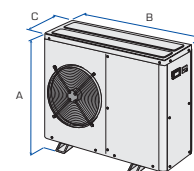
### Sound pressure

Sound pressure in free field, at 10 m distance from the external surface of the unit (in accordance with UNI EN ISO 3744)

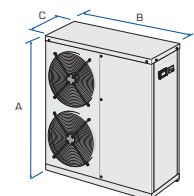
(2) Unit in standard configuration/execution without hydroni kit

## Dimensions (mm)

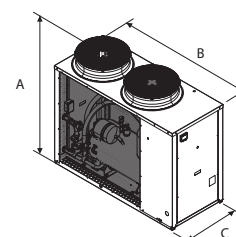
| DIMENSIONS - WEIGHT       |           |    | 020      | 025      | 030      | 040      | 050      | 070      | 080      | 090      | 102  | 152  | 202  |
|---------------------------|-----------|----|----------|----------|----------|----------|----------|----------|----------|----------|------|------|------|
| Height (A)                | °   P   C | mm | 868      | 868      | 1000     | 1000     | 1252     | 1252     | 1252     | 1252     |      |      |      |
|                           | A         | mm | 868      | 868      | 1015     | 1015     | 1281     | 1281     | 1281     | 1281     | 1450 | 1450 | 1450 |
|                           | Q         | mm | -        | -        | -        | -        | 1281     | 1281     | 1281     | 1281     |      |      |      |
| Width (B)                 | °   P   C | mm | 900      | 900      | 900      | 900      | 1124     | 1124     | 1124     | 1124     |      |      |      |
|                           | A         | mm | 1124     | 1124     | 1124     | 1124     | 1165     | 1165     | 1165     | 1165     | 1750 | 1750 | 1750 |
|                           | Q         | mm | -        | -        | -        | -        | 1165     | 1165     | 1165     | 1165     |      |      |      |
| Depth (C)                 | °   P   C | mm | 310/354* | 310/354* | 310/354* | 310/354* | 384/428* | 384/428* | 384/428* | 384/428* |      |      |      |
|                           | A         | mm | 384/428* | 384/428* | 384/428* | 384/428* | 550      | 550      | 550      | 550      | 750  | 750  | 750  |
|                           | Q         | mm | -        | -        | -        | -        | 550      | 550      | 550      | 550      |      |      |      |
| <b>Only cooling model</b> |           |    |          |          |          |          |          |          |          |          |      |      |      |
| Weight                    | °         | kg | 75       | 75       | 86       | 86       | 120      | 120      | 120      | 156      | 270  | 293  | 329  |
|                           | P         | kg | 77       | 77       | 91       | 91       | 127      | 127      | 163      | 163      | 288  | 314  | 350  |
|                           | A         | kg | 99       | 99       | 103      | 103      | 147      | 147      | 147      | 183      | 338  | 364  | 400  |
|                           | Q         | kg | -        | -        | -        | -        | 151      | 151      | 187      | 187      |      |      |      |
|                           | C         | kg | 70       | 70       | 78       | 78       | 110      | 110      | 141      | 141      | 270  | 293  | 329  |
| <b>Heat pump model</b>    |           |    |          |          |          |          |          |          |          |          |      |      |      |
| Weight                    | °         | kg | 75       | 75       | 86       | 86       | 120      | 120      | 120      | 156      | 295  | 322  | 358  |
|                           | P         | kg | 77       | 77       | 91       | 91       | 127      | 127      | 163      | 163      | 313  | 343  | 379  |
|                           | A         | kg | 99       | 99       | 103      | 103      | 147      | 147      | 147      | 183      | 363  | 393  | 429  |
|                           | Q         | kg | -        | -        | -        | -        | 151      | 151      | 187      | 187      | 423  | 447  | 457  |



020 ÷ 040 \* without feet / with feet



050 ÷ 090



102 - 152 - 202