

FRIGA-BOHN®

# NOVA

Cubic unit cooler

Commercial and semi-industrial range

A2L

CO2 60bar

CO2 80bar

WG

HFC



|||| 1 - 30 kW

|||| > 30 kW range extension under development



## # Easy installation/maintenance:

- Quick access to individual components
- Simple, intuitive electrical connection using
- Wago terminals and cable identification.
- Fans with external electrical box, bridged together.

# The optimized coil design, high-efficiency motors, and the ability to select an EC motor (optional) allow an improved **energy efficiency**.

# The complete redesign of the defrosting system introduces **significant improvements** that not only increase **efficiency and reliability**, simplify maintenance and reduce power consumption by up to 30%.

## CASING

- # Easy to clean: galvanized sheet steel, fully pre-painted white.
- # Pivoting, hinged drain pan with rounded corners, made from pre-painted aluminium, eliminating retention zones and ensuring complete safety through the absence of sharp corners.

### OPTIONS

- CIN** 316L stainless steel casing.
- EIS** Insulated drain pan.
- DPK** Intermediate drain pan (NOVA .. R/L).

KIT TO INSTALL



## VENTILATION

- # High-performance, factory-wired motors.
- # Axial motor fans not requiring systematic maintenance:

|                                      | models    | voltage    | freq.   | IP | class |
|--------------------------------------|-----------|------------|---------|----|-------|
| Ø 310 mm<br>4P - 1,350 rpm           | NOVA 3XXX | 230V/1     | 50-60Hz | 54 | F     |
| Ø 450 mm*<br>4P/6P - 1,320/1,070 rpm | NOVA 4XXX | 400V/3     | 50Hz    | 54 | F     |
| Ø 500 mm**<br>4P - 770 rpm           | NOVA 5XXX | 230-400V/3 | 50-60Hz | 54 | F     |

\* Two-speed motor fans, high-speed wired (Δ) by default.

\*\* Dual-voltage fan motors, wired to 400V by default.

### OPTIONS

- MP5** Air pressure motor fan (available pressure 100 Pa - Ø 450 mm).
- RFA** Shell / airflow straightener (streamer). KIT TO INSTALL
- VGT** RFA + fixing parts for textile duct (Ø 450 mm). KIT TO INSTALL
- VPM** VGT + flexible defrost cuff. (Ø 450 mm). KIT TO INSTALL
- EC2** EC motor (electronic commutation) 0-10V - Ø 450 mm.
- EC3** EC motor (electronic commutation) 2 speeds - Ø 300 mm.

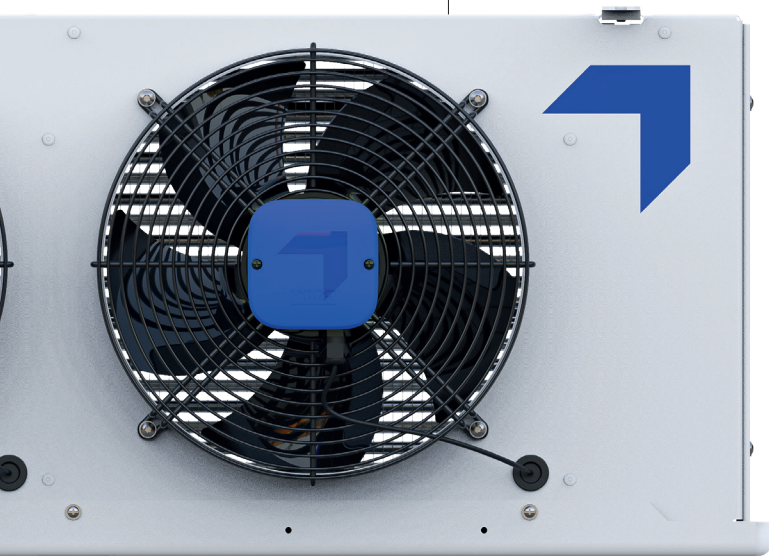
### OPTIONS

- EXT** Electronic expansion valve fitted.
- DMP** Expansion valve fitted.
- EVL** DMP + Solenoid valve fitted.
- EEC** EVL + copper siphon equipped with a ball valve delivered not fitted.

Save time during installation by choosing these additional options.

## COILS

- # Aluminium fins with 4, 6 and 8mm spacing.
- # Combined with grooved copper tubes, the coils are very efficient and compact.
- # Versions available:
  - Multi-refrigerant HFCs and A2L,
  - CO<sub>2</sub> (60 bar),
  - CO<sub>2</sub> (80 bar),
  - WCO (glycol water, coolant).



Select your coil treatment to extend your unit cooler's lifespan!  
Contact us.

## DEFROST

- # Two defrost modes for the coil: electric (230V/1 or 400V/3), Hot gas.
- # Quick defrosting of the condensate pan thanks to a heater under the intermediate drain pan.
- # Use of bent resistors for effective defrosting of expansion valve, distributor and manifold.
- # Use of fixation points to ensure that electrical heaters return to position, thus limiting the risk of failure.
- # Color coding for easy identification of electrical heaters connections.

### OPTIONS

|            |                                                                                    |
|------------|------------------------------------------------------------------------------------|
| <b>HG1</b> | Hot gases (coil: hot gases, drain pan: electric heaters).                          |
| <b>RVU</b> | Shell defrost heaters (Ø 450 mm).                                                  |
| <b>RVK</b> | Shell defrost heaters (Ø 450 mm). <b>KIT TO INSTALL</b>                            |
| <b>RCS</b> | Blower heater. <b>KIT TO INSTALL</b>                                               |
|            | - 1,300 W or 2,300 W (Ø 315 mm).                                                   |
|            | - 2,500 W or 4,500 W (Ø 450 mm).                                                   |
| <b>HDA</b> | Suction defrost hood. <b>KIT TO INSTALL</b>                                        |
| <b>2TH</b> | Defrost and safety thermostats (5709L + 5708L).                                    |
| <b>THD</b> | Defrost thermostat (5709L).                                                        |
| <b>E1U</b> | Lightweight electric de-icing, pre-assembled and factory-wired.                    |
| <b>E1K</b> | Light electric defrost. <b>KIT TO INSTALL</b>                                      |
| <b>E3K</b> | Complete electric de-icing for low-temperature applications. <b>KIT TO INSTALL</b> |

|     |             |            |               |     |       |
|-----|-------------|------------|---------------|-----|-------|
|     | +10         | +2         | -5            | -10 | -25°C |
| tA1 | NOVA .. R/L | +E1K / E1U | +E3K          |     |       |
|     |             |            | NOVA .. E/C/S |     |       |

## ELECTRICAL CONNECTIONS

- # Large electrical boxes positioned on the battery guard plate to simplify electrical connections.
- # Use of WAGO terminals with levers or springs to simplify installation and eliminate the risk of disconnection.
- # Use of ICOTEK cable glands to ensure the IP44 protection of the electrical boxes.

NOVA 3<sup>(A)</sup>1<sup>(B)</sup>42<sup>(C)</sup>-R<sup>(D)</sup>

(A) Fan diameter: 3 = Ø 315 mm - 4 = Ø 450 mm - 5 = Ø 500 mm

(3) Number of fans

(C) Model

(D) Fin spacing: R = 4 mm (positive) E = 4 mm (negative)

L = 6 mm (positive) C = 6 mm (negative) S = 8 mm (negative)

The NOVA is available with CO<sub>2</sub>,  
A2Ls, HFCs and glycol water.  
For more information, please consult  
our software.

## NOVA (1/2)

4 mm

| CONDITIONS | REFRIGERANTS                 | NOVA ... -R | 3152 | 3153 | 3154 | 3155 | 3156 | 3243 | 3245 | 3343 | 3344 | 3345 | 4165 |
|------------|------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|
| SC2 (1)    | CO <sub>2</sub> - 60 bar (2) | kW          | 2,24 | 2,87 | 3,23 | 3,38 | 3,4  | 4,66 | 5,92 | 7,34 | 8,14 | 8,39 | 8,65 |
|            | CO <sub>2</sub> - 80 bar (2) | kW          | 2,06 | 2,74 | 3,14 | 3,33 | 3,39 | 4,52 | 5,83 | 7,1  | 8,26 | 8,81 | 8,8  |
|            | R454C (R455A*)               | kW          | 1,47 | 2,13 | 2,55 | 2,96 | 3,22 | 3,7  | 5,05 | 5,64 | 6,87 | 7,65 | 6,28 |
|            | R448A (R449A*)               | kW          | 1,76 | 2,49 | 3    | 3,39 | 3,64 | 4,36 | 5,78 | 6,63 | 7,88 | 8,79 | 7,87 |
|            | R1234yf                      | kW          | 2,06 | 2,52 | 2,67 | 3,3  | 3,25 | 4,24 | 5,65 | 6,19 | 7,72 | 7,97 | 7,48 |
|            | R134a (R513A*)               | kW          | 1,8  | 2,36 | 2,65 | 3,04 | 3,15 | 4,07 | 5,21 | 6,05 | 7,25 | 7,65 | 7,03 |
|            | R404A                        | kW          | 1,98 | 2,59 | 2,91 | 3,34 | 3,46 | 4,47 | 5,73 | 6,65 | 7,97 | 8,41 | 7,73 |

| CONDITIONS | REFRIGERANTS                 | NOVA ... -E | 3152 | 3153 | 3154 | 3155 | 3156 | 3243 | 3245 | 3343 | 3344 | 3345 | 4165 |
|------------|------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|
| SC3 (1)    | CO <sub>2</sub> - 60 bar (2) | kW          | 1,84 | 2,38 | 2,7  | 2,88 | 2,82 | 3,71 | 4,92 | 5,96 | 6,54 | 7,46 | 7,15 |
|            | CO <sub>2</sub> - 80 bar (2) | kW          | 1,6  | 2,14 | 2,47 | 2,62 | 2,62 | 3,48 | 4,6  | 5,51 | 6,59 | 7    | 6,92 |
|            | R454C (R455A*)               | kW          | 0,97 | 1,39 | 1,75 | 2,01 | 2,24 | 2,43 | 3,47 | 3,8  | 4,63 | 5,09 | 4,14 |
|            | R448A (R449A*)               | kW          | 1,21 | 1,73 | 2,1  | 2,38 | 2,62 | 3    | 4,1  | 4,6  | 5,59 | 6,15 | 5,48 |
|            | R404A                        | kW          | 1,45 | 1,87 | 2,29 | 2,57 | 2,7  | 3,21 | 4,37 | 5,16 | 5,85 | 6,11 | 5,98 |

\* Capacity close to the indicated refrigerant; to determine the exact capacity with the second refrigerant, please use the selection software.

|                           |                   |           | 3152          | 3153   | 3154   | 3155   | 3156   | 3243     | 3245     | 3343     | 3344     | 3345     | 4165     |
|---------------------------|-------------------|-----------|---------------|--------|--------|--------|--------|----------|----------|----------|----------|----------|----------|
| Surface area              | m <sup>2</sup>    |           | 5,1           | 7,7    | 10,3   | 12,8   | 15,4   | 12,3     | 20,5     | 18,5     | 24,6     | 30,8     | 23,1     |
| Circuit volume            | dm <sup>3</sup>   |           | 0,8           | 1,3    | 1,7    | 2,1    | 2,5    | 2        | 3,3      | 3        | 4        | 5        | 3,8      |
| Airflow                   | m <sup>3</sup> /h |           | 2000          | 1900   | 1790   | 1680   | 1580   | 3510     | 2920     | 5260     | 4800     | 4380     | 5160     |
| Air throw (3)             | m                 |           | 20            | 19     | 18     | 17     | 16     | 20       | 18       | 24       | 22       | 21       | 25       |
|                           | nb                |           | 1             | 1      | 1      | 1      | 1      | 2        | 2        | 3        | 3        | 3        | 1        |
|                           | Ø                 |           | 315           | 315    | 315    | 315    | 315    | 315      | 315      | 315      | 315      | 315      | 450      |
| Fan                       | 230/1/50hz        | W max     | 93            | 95     | 95     | 96     | 96     | 190      | 192      | 285      | 288      | 288      | -        |
| 1,350 rpm                 |                   | A max (4) | 0,4           | 0,4    | 0,4    | 0,4    | 0,5    | 0,9      | 0,9      | 1,3      | 1,4      | 1,4      | -        |
|                           | 400/3/50hz        | W max     | -             | -      | -      | -      | -      | -        | -        | -        | -        | -        | 450      |
|                           |                   | A max (4) | -             | -      | -      | -      | -      | -        | -        | -        | -        | -        | 0,9      |
|                           |                   | nb        | 1+1           | 1+1    | 2+1    | 2+1    | 2+1    | 2+1      | 3+1      | 2+1      | 2+1      | 3+1      | 4+1      |
| NOVA...-R                 |                   | W total   | 860           | 860    | 1290   | 1290   | 1290   | 1545     | 2060     | 2310     | 2310     | 3080     | 2200     |
| Electric defrost          | 230/1/50hz        | A total   | 3,74          | 3,74   | 5,61   | 5,61   | 5,61   | 6,72     | 8,96     | 10,04    | 10,04    | 13,39    | 9,57     |
| EIK (5)                   | 400/3/50hz        | A total   | -             | -      | -      | -      | -      | -        | -        | -        | -        | -        | -        |
|                           | Coil + drain pan  | nb        | 1 + 1         | 2 + 1  | 3 + 1  | 3 + 1  | 4 + 1  | 2 + 1    | 4 + 1    | 2 + 1    | 3 + 1    | 4 + 1    | 5 + 1    |
| NOVA...-E                 |                   | W total   | 860           | 1290   | 1720   | 1720   | 2150   | 1545     | 2575     | 2310     | 3080     | 3850     | 2640     |
| Standard electric defrost | 230/1/50hz        | A total   | 3,74          | 5,61   | 7,48   | 7,48   | 9,35   | 6,72     | 11,2     | 10,04    | 13,39    | -        | 11,48    |
|                           | 400/3/50hz        | A total   | -             | -      | -      | -      | -      | -        | -        | -        | -        | 5,56     | -        |
| Connections               | Inlet (6)         | Ø ODF     | D 1/2" - 12mm | D 5/8" | D 5/8" | D 5/8" | D 5/8" | D 5/8" * | D 5/8" * | D 5/8" * | D 5/8" * | D 5/8" * | D 7/8" * |
| HFC                       | Outlet (6)        | Ø OD      | 10mm          | 5/8"   | 5/8"   | 5/8"   | 5/8"   | 7/8"     | 7/8"     | 7/8"     | 7/8"     | 7/8"     | 7/8"     |
| Net weight (7)            |                   | kg        | 20            | 21     | 23     | 23     | 24     | 30       | 34       | 44       | 46       | 48       | 41       |

(1) Standard conditions:

SC2 / 0 °C (air inlet temp.) / -8 °C (evaporating temp.) / DTM = 8K

SC3 / -18 °C (air inlet temp.) / -25 °C (evaporating temp.) / DTM = 7K

(2) Operating pressure - Specific coil - Connection diameters to be defined when ordering.

(3) Residual air speed: 0.25 m/s.

(4) Adjustment of overload protection. For air temperatures "ti" other than +20 °C, multiply the intensities by the ratio 293/(273 + "ti") to obtain the approximate value of the intensity after the room has been brought up to temperature.

(5) Electric defrost option.

(6) OD: Male connection - ODF: female to receive the tube of the same diameter. \* Male inlet connection

(7) Standard net weight - Specific net weight for CO<sub>2</sub> 80 bar: contact us.

R404A is a refrigerant only available for non-EU markets (not compatible with F-Gas).

# NOVA 3<sup>(A)</sup> 4<sup>(B)</sup> 44<sup>(C)</sup> -R<sup>(D)</sup>

(A) Fan diameter: **3** = Ø 315 mm - **4** = Ø 450 mm - **5** = Ø 500 mm

(3) Number of fans

(C) Model

(D) Fin spacing: **R** = 4 mm (positive) **E** = 4 mm (negative)  
**L** = 6 mm (positive) **C** = 6 mm (negative) **S** = 8 mm (negative)

The NOVA is available with CO<sub>2</sub>, A2Ls, HFCs and glycol water. For more information, please consult our software.

## NOVA (2/2)

4 mm

| CONDITIONS |                 | NOVA... -R | 4166 | 3444  | 4263  | 4264  | 4265  | 4266  | 4364  | 4366  | 5288  | 53XX                          | 54XX |
|------------|-----------------|------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------------------|------|
| SC2 (1)    | CO2- 60 bar (2) | kW         | 9,41 | 11,06 | 12,72 | 15,4  | 17,42 | 18,89 | 23,14 | 27,97 | -     | Range extension - coming soon |      |
|            | CO2- 80 bar (2) | kW         | 8,57 | 11,25 | 13,02 | 15,7  | 17,69 | 17,38 | 23,68 | 26,2  | -     |                               |      |
|            | R454C (R455A*)  | kW         | 6,63 | 9,26  | 8,84  | 10,92 | 12,73 | 14,72 | 16,64 | 22    | -     |                               |      |
|            | R448A (R449A*)  | kW         | 8,23 | 10,59 | 11,19 | 13,77 | 15,89 | 17,64 | 20,9  | 26,12 | 30,88 |                               |      |
|            | R1234yf         | kW         | 8,14 | 10,47 | 11,61 | 14,22 | 15,97 | 15,94 | 21,26 | 24,14 | -     |                               |      |
|            | R134a (R513A*)  | kW         | 7,32 | 9,73  | 10,51 | 12,71 | 14,4  | 15,25 | 19,26 | 22,57 | 31,03 |                               |      |
|            |                 | R404A      | kW   | 8,04  | 10,69 | 11,55 | 13,97 | 15,82 | 16,76 | 21,16 | 24,8  | 34,1                          |      |

| CONDITIONS |                 | NOVA... -E | 4166 | 3444 | 4263  | 4264  | 4265  | 4266  | 4364  | 4366  | 5288                          | 53XX | 54XX |
|------------|-----------------|------------|------|------|-------|-------|-------|-------|-------|-------|-------------------------------|------|------|
| SC3 (1)    | CO2- 60 bar (2) | kW         | 7,73 | 8,9  | 10,31 | 12,56 | 14,29 | 15,57 | 18,9  | 22,28 | Range extension - coming soon |      |      |
|            | CO2- 80 bar (2) | kW         | 6,79 | 8,89 | 10,03 | 12,29 | 13,81 | 13,95 | 18,33 | 21,12 |                               |      |      |
|            | R454C (R455A*)  | kW         | 4,89 | 6,33 | 6,16  | 7,51  | 9,04  | 10,01 | 11,72 | 15,59 |                               |      |      |
|            | R448A (R449A*)  | kW         | 6,24 | 7,54 | 8     | 9,74  | 11,57 | 12,59 | 15,01 | 19,49 |                               |      |      |
|            | R404A           | kW         | 6,51 | 8,07 | 8,83  | 10,56 | 12,31 | 13,01 | 16,2  | 20,03 |                               |      |      |

\* Capacity close to the indicated refrigerant; to determine the exact capacity with the second refrigerant, please use the selection software.

|                              |                  |                 | 4166     | 3444     | 4263     | 4264       | 4265       | 4266       | 4364       | 4366       | 5288  | 53XX                          | 54XX |
|------------------------------|------------------|-----------------|----------|----------|----------|------------|------------|------------|------------|------------|-------|-------------------------------|------|
| Surface area                 |                  | m <sup>2</sup>  | 27,7     | 32,8     | 27,7     | 37         | 46,2       | 55,4       | 55,4       | 83,1       | 131,4 | Range extension - coming soon |      |
| Circuit volume               |                  | dm <sup>3</sup> | 4,5      | 5,4      | 4,5      | 6          | 7,5        | 9          | 9          | 13,5       | 21,4  |                               |      |
| Airflow                      |                  | m3/h            | 4130     | 6400     | 11740    | 10990      | 10310      | 8270       | 16480      | 12400      | 11980 |                               |      |
| Air throw (3)                |                  | m               | 24       | 26       | 32       | 31         | 30         | 29         | 35         | 33         | 27    |                               |      |
| Fan<br>1,350 rpm             |                  | nb              | 1        | 4        | 2        | 2          | 2          | 2          | 3          | 3          | 2     | 3                             | 4    |
|                              |                  | Ø               | 450      | 315      | 450      | 450        | 450        | 450        | 450        | 450        | 500   | 500                           | 500  |
|                              | 230 V/1/50-60 Hz | W max           | -        | 384      | -        | -          | -          | -          | -          | -          | -     |                               |      |
|                              |                  | A max (4)       | -        | 1,8      | -        | -          | -          | -          | -          | -          | -     |                               |      |
|                              | 400 V/3/50 Hz    | W max           | 450      | -        | 900      | 900        | 900        | 900        | 1350       | 1350       | 1540  |                               |      |
|                              |                  | A max (4)       | 0,9      | -        | 1,8      | 1,8        | 1,8        | 1,8        | 2,7        | 2,7        | 3,4   |                               |      |
| 3C-A ... -R                  |                  | nb              | 4+1      | 2+1      | 2+1      | 3+1        | 4+1        | 4+1        | 3+1        | 4+1        | 7+1   | Range extension - coming soon |      |
| Electric defrost<br>EIK (5)  |                  | W total         | 2200     | 2940     | 2640     | 3520       | 4400       | 4400       | 5280       | 6600       | 10000 |                               |      |
|                              | 230 V/1/50 Hz    | A total         | 9,57     | 12,78    | 11,48    | 15,3       | -          | -          | -          | -          | -     |                               |      |
|                              | 400 V/3/50 Hz    | A total         | -        | -        | -        | -          | 6,35       | 6,35       | 7,62       | 9,53       | 14,43 |                               |      |
| 3C-A ... -E                  | Coil + drain pan | nb              | 6 + 1    | 3 + 1    | 3 + 1    | 4 + 1      | 5 + 1      | 6 + 1      | 4 + 1      | 6 + 1      | -     |                               |      |
| Electric defrost<br>standard |                  | W total         | 3080     | 3920     | 3520     | 4400       | 5280       | 6160       | 6600       | 9240       | -     |                               |      |
|                              | 230 V/1/50 Hz    | A total         | 13,39    | -        | 15,3     | -          | -          | -          | -          | -          | -     |                               |      |
|                              | 400 V/3/50 Hz    | A total         | -        | 5,66     | -        | 6,35       | 7,62       | 8,89       | 9,53       | 13,34      | -     |                               |      |
| Connections                  | Inlet (6)        | Ø ODF           | D 7/8" * | D 5/8" * | D 7/8" * | D 1 1/8" * | D 1 1/8" * | D 1 1/8" * | D 1 1/8" * | D 1 3/8" * | 1 1/8 |                               |      |
| HFCs                         | Outlet (6)       | Ø OD            | 7/8"     | 7/8"     | 1 3/8    | 1 3/8      | 1 3/8      | 1 3/8      | 1 5/8      | 2 1/8      | 1 5/8 |                               |      |
| Net weight (7)               |                  | kg              | 43       | 58       | 58       | 62         | 65         | 69         | 84         | 95         | 180   |                               |      |

(1) Standard conditions:

SC2 / 0 °C (air inlet temp.) / -8 °C (evaporating temp.) / DTM = 8K

SC3 / -18 °C (air inlet temp.) / -25 °C (evaporating temp.) / DTM = 7K

(2) Operating pressure - Specific coil - Connection diameters to be defined when ordering.

(3) Residual air speed: 0.25 m/s.

(4) Adjustment of overload protection. For air temperatures "ti" other than +20 °C, multiply the intensities by the ratio 293/(273 + "ti") to obtain the approximate value of the intensity after the room has been brought up to temperature.

(5) Electric defrost option.

(6) OD: Male connection - ODF: female to receive the tube of the same diameter. \* Male inlet connection

(7) Standard net weight - Specific net weight for CO<sub>2</sub> 80 bar: contact us.

**R404A is a refrigerant only available for non-EU markets (not compatible with F-Gas).**

NOVA 3<sup>(A)</sup>1<sup>(B)</sup>43<sup>(C)</sup>-L<sup>(D)</sup>

(A) Fan diameter: 3 = Ø 315 mm - 4 = Ø 450 mm - 5 = Ø 500 mm

(3) Number of fans

(C) Model

(D) Fin spacing: R = 4 mm (positive) E = 4 mm (negative)  
L = 6 mm (positive) C = 6 mm (negative) S = 8 mm (negative)

The NOVA is available with CO<sub>2</sub>,  
A2Ls, HFCs and glycol water.  
For more information, please consult  
our software.

## NOVA (1/2)

6 mm

| CONDITIONS | FLUIDES                      | NOVA ... -L |
|------------|------------------------------|-------------|
| SC2 (1)    | CO <sub>2</sub> - 60 bar (2) | kW          |
|            | CO <sub>2</sub> - 80 bar (2) | kW          |
|            | R454C (R455A*)               | kW          |
|            | R448A (R449A*)               | kW          |
|            | R1234yf                      | kW          |
|            | R134a (R513A*)               | kW          |
|            | R404A                        | kW          |

| 3152 | 3153 | 3154 | 3155 | 3156 | 3243 | 3244 | 3245 | 3343 | 3344 | 4165 |
|------|------|------|------|------|------|------|------|------|------|------|
| 1,89 | 2,44 | 2,86 | 3,14 | 3,26 | 4,06 | 4,66 | 5,51 | 6,32 | 7,33 | 7,73 |
| 1,76 | 2,33 | 2,78 | 3,07 | 3,24 | 3,96 | 4,57 | 5,42 | 6,13 | 7,21 | 7,88 |
| 1,38 | 1,83 | 2,26 | 2,66 | 2,96 | 3,22 | 4,08 | 4,6  | 4,9  | 6,09 | 5,59 |
| 1,64 | 2,13 | 2,64 | 3,01 | 3,35 | 3,74 | 4,7  | 5,22 | 5,7  | 6,94 | 6,92 |
| 1,52 | 2,22 | 2,4  | 3,01 | 3,07 | 3,8  | 4,8  | 5,23 | 5,61 | 7,02 | 6,79 |
| 1,52 | 2,05 | 2,38 | 2,79 | 2,98 | 3,56 | 4,42 | 4,84 | 5,33 | 6,54 | 6,32 |
| 1,67 | 2,25 | 2,62 | 3,07 | 3,28 | 3,91 | 4,86 | 5,32 | 5,86 | 7,19 | 6,95 |

| CONDITIONS | FLUIDES                      | NOVA ... -C |
|------------|------------------------------|-------------|
| SC3 (1)    | CO <sub>2</sub> - 60 bar (2) | kW          |
|            | CO <sub>2</sub> - 80 bar (2) | kW          |
|            | R454C (R455A*)               | kW          |
|            | R448A (R449A*)               | kW          |
|            | R404A                        | kW          |

| 3152 | 3153 | 3154 | 3155 | 3156 | 3243 | 3244 | 3245 | 3343 | 3344 | 4165 |
|------|------|------|------|------|------|------|------|------|------|------|
| 1,56 | 1,99 | 2,34 | 2,56 | 2,7  | 3,24 | 4,19 | 4,59 | 5,18 | 6    | 6,4  |
| 1,37 | 1,82 | 2,17 | 2,38 | 2,49 | 3,06 | 3,89 | 4,29 | 4,81 | 5,62 | 6,22 |
| 0,87 | 1,22 | 1,54 | 1,8  | 2,05 | 2,16 | 2,78 | 3,16 | 3,32 | 4,17 | 3,63 |
| 1,1  | 1,49 | 1,84 | 2,16 | 2,41 | 2,62 | 3,33 | 3,72 | 3,97 | 4,97 | 4,76 |
| 1,09 | 1,64 | 2,05 | 2,28 | 2,55 | 2,86 | 3,59 | 4,06 | 4,5  | 5,35 | 5,26 |

\* Capacity close to the indicated refrigerant; to determine the exact capacity with the second refrigerant, please use the selection software.

|                           |                  |                   |
|---------------------------|------------------|-------------------|
| Surface area              |                  | m <sup>2</sup>    |
| Circuit volume            |                  | dm <sup>3</sup>   |
| Airflow                   |                  | m <sup>3</sup> /h |
| Air throw (3)             |                  | m                 |
|                           |                  | nb                |
|                           |                  | Ø                 |
| Fan                       | 230 V/1/50-60 Hz | W max             |
| 1,350 rpm                 |                  | A max (4)         |
|                           | 400 V/3/50 Hz    | W max             |
|                           |                  | A max (4)         |
|                           |                  | nb                |
| <b>NOVA ... -L</b>        |                  | W total           |
| Electric defrost          | 230 V/1/50 Hz    | A total           |
| <b>EIK</b> (5)            | 400 V/3/50 Hz    | A total           |
|                           | Coil + drain pan | nb                |
| <b>NOVA ... -C</b>        |                  | W total           |
| Standard electric defrost | 230 V/1/50 Hz    | A total           |
|                           | 400 V/3/50 Hz    | A total           |
| Connections               | Inlet (6)        | Ø ODF             |
| <b>HFCs</b>               | Outlet (6)       | Ø OD              |
| Net weight (7)            |                  | kg                |

| 3152           | 3153   | 3154   | 3155   | 3156   | 3243     | 3244     | 3245     | 3343     | 3344     | 4165     |
|----------------|--------|--------|--------|--------|----------|----------|----------|----------|----------|----------|
| 3,5            | 5,3    | 7,1    | 8,9    | 10,6   | 8,5      | 11,4     | 14,2     | 12,8     | 17       | 16       |
| 0,8            | 1,3    | 1,7    | 2,1    | 2,5    | 2        | 2,7      | 3,3      | 3        | 4        | 3,8      |
| 2050           | 1970   | 1890   | 1810   | 1730   | 3730     | 3490     | 3250     | 5600     | 5240     | 5560     |
| 20             | 20     | 19     | 18     | 17     | 21       | 20       | 19       | 25       | 24       | 26       |
| 1              | 1      | 1      | 1      | 1      | 2        | 2        | 2        | 3        | 3        | 1        |
| 315            | 315    | 315    | 315    | 315    | 315      | 315      | 315      | 315      | 315      | 450      |
| 92             | 94     | 95     | 95     | 96     | 190      | 190      | 192      | 285      | 285      | -        |
| 0,4            | 0,4    | 0,4    | 0,4    | 0,4    | 0,9      | 0,9      | 0,9      | 1,3      | 1,3      | -        |
| -              | -      | -      | -      | -      | -        | -        | -        | -        | -        | 450      |
| -              | -      | -      | -      | -      | -        | -        | -        | -        | -        | 0,9      |
| 1+1            | 1+2    | 2+1    | 2+2    | 2+3    | 1+1      | 2+1      | 3+1      | 1+1      | 2+1      | 4+1      |
| 860            | 860    | 1290   | 1290   | 1290   | 1030     | 1545     | 2060     | 1540     | 2310     | 2200     |
| 3,74           | 3,74   | 5,61   | 5,61   | 5,61   | 4,48     | 6,72     | 8,96     | 6,7      | 10,04    | 9,57     |
| -              | -      | -      | -      | -      | -        | -        | -        | -        | -        | -        |
| 1 + 1          | 2 + 1  | 2 + 1  | 3 + 1  | 4 + 1  | 2 + 1    | 3 + 1    | 4 + 1    | 2 + 1    | 3 + 1    | 5 + 1    |
| 860            | 1290   | 1290   | 1720   | 2150   | 1545     | 2060     | 2575     | 2310     | 3080     | 2640     |
| 3,74           | 5,61   | 5,61   | 7,48   | 9,35   | 6,72     | 8,96     | 11,2     | 10,04    | 13,39    | 11,48    |
| -              | -      | -      | -      | -      | -        | -        | -        | -        | -        | -        |
| 1/2" -<br>12mm | D 5/8" | D 5/8" | D 5/8" | D 5/8" | D 5/8" * | D 5/8" * | D 5/8" * | D 5/8" * | D 5/8" * | D 5/8" * |
| 10mm           | 5/8"   | 5/8"   | 5/8"   | 5/8"   | 7/8"     | 7/8"     | 7/8"     | 7/8"     | 7/8"     | 7/8"     |
| 20             | 21     | 22     | 22     | 23     | 30       | 31       | 32       | 42       | 44       | 39       |

(1) Standard conditions:

SC2 / 0 °C (air inlet temp.) / -8 °C (evaporating temp.) / DTM = 8K

SC3 / -18 °C (air inlet temp.) / -25 °C (evaporating temp.) / DTM = 7K

(2) Operating pressure - Specific coil - Connection diameters to be defined when ordering.

(3) Residual air speed: 0.25 m/s.

(4) Adjustment of overload protection. For air temperatures "ti" other than +20 °C, multiply the intensities by the ratio 293/(273 + "ti") to obtain the approximate value of the intensity after the room has been brought up to temperature.

(5) Electric defrost option.

(6) OD: Male connection - ODF: female to receive the tube of the same diameter. \* Male inlet connection

(7) Standard net weight - Specific net weight for CO<sub>2</sub> 80 bar: contact us.

R404A is a refrigerant only available for non-EU markets (not compatible with F-Gas).

# NOVA 4<sup>(A)</sup>1<sup>(B)</sup>66<sup>(C)</sup>-L<sup>(D)</sup>

(A) Fan diameter: **3** = Ø 315 mm - **4** = Ø 450 mm - **5** = Ø 500 mm

(3) Number of fans

(C) Model

(D) Fin spacing: **R** = 4 mm (positive) **E** = 4 mm (negative)

**L** = 6 mm (positive) **C** = 6 mm (negative) **S** = 8 mm (negative)

The NOVA is available with CO<sub>2</sub>, A2Ls, HFCs and glycol water. For more information, please consult our software.

## NOVA (2/2)

6 mm

| CONDITIONS | FLUIDES          | NOVA... -L | 3345 | 4166 | 3444  | 4263  | 4264  | 4266  | 4364  | 4366  | 5288                          | 53XX | 54XX |
|------------|------------------|------------|------|------|-------|-------|-------|-------|-------|-------|-------------------------------|------|------|
| SC2 (1)    | CO2 - 60 bar (2) | kW         | 7,89 | 8,6  | 9,92  | 10,91 | 13,49 | 17,26 | 20,26 | 25,74 | Range extension - coming soon |      |      |
|            | CO2 - 80 bar (2) | kW         | 7,83 | 8,65 | 10,09 | 11,2  | 13,79 | 17,53 | 20,79 | 26,41 |                               |      |      |
|            | R454C (R455A*)   | kW         | 7,02 | 6,42 | 8,2   | 7,79  | 9,92  | 13,31 | 15,27 | 20,27 |                               |      |      |
|            | R448A (R449A*)   | kW         | 7,96 | 7,88 | 9,33  | 9,77  | 12,2  | 16    | 18,64 | 24,31 |                               |      |      |
|            | R1234yf          | kW         | 7,47 | 7,35 | 9,47  | 10,33 | 11,82 | 15,08 | 17,45 | 22,4  |                               |      |      |
|            | R134a (R513A*)   | kW         | 7,16 | 6,99 | 8,76  | 9,26  | 11,18 | 14,25 | 16,9  | 21,59 |                               |      |      |
|            | R404A            | kW         | 7,87 | 7,68 | 9,63  | 10,18 | 12,29 | 15,66 | 18,57 | 23,73 |                               |      |      |

| CONDITIONS | FLUIDES          | NOVA... -C | 3345 | 4166 | 3444 | 4263 | 4264  | 4266  | 4364  | 4366  | 5288  | 53XX                          | 54XX |
|------------|------------------|------------|------|------|------|------|-------|-------|-------|-------|-------|-------------------------------|------|
| SC3 (1)    | CO2 - 60 bar (2) | kW         | 6,94 | 7,09 | 8,11 | 8,91 | 11,06 | 14,27 | 16,63 | 20,65 | -     | Range extension - coming soon |      |
|            | CO2 - 80 bar (2) | kW         | 6,53 | 6,8  | 7,9  | 8,65 | 10,74 | 13,92 | 16,26 | 21,06 | -     |                               |      |
|            | R454C (R455A*)   | kW         | 4,72 | 4,14 | 5,65 | 5,31 | 6,46  | 8,71  | 9,84  | 13,93 | -     |                               |      |
|            | R448A (R449A*)   | kW         | 5,65 | 5,3  | 6,66 | 6,82 | 8,24  | 10,97 | 12,49 | 16,72 | 21,24 |                               |      |
|            | R404A            | kW         | 5,77 | 5,7  | 7,28 | 7,6  | 9,04  | 11,66 | 13,66 | 17,71 | 23,04 |                               |      |

\* Capacity close to the indicated refrigerant; to determine the exact capacity with the second refrigerant, please use the selection software.

|                                             |                   |           | 3345              | 4166              | 3444              | 4263                  | 4264                  | 4266                  | 4364                  | 4366                  | 5288                  | 53XX                          | 54XX |
|---------------------------------------------|-------------------|-----------|-------------------|-------------------|-------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-------------------------------|------|
| Surface area                                | m <sup>2</sup>    |           | 21,3              | 19,2              | 22,7              | 19,2                  | 25,5                  | 38,3                  | 38,3                  | 57,5                  | 90,8                  | Range extension - coming soon |      |
| Circuit volume                              | dm <sup>3</sup>   |           | 5                 | 4,5               | 5,4               | 4,5                   | 6                     | 9                     | 9                     | 13,5                  | 21,4                  |                               |      |
| Airflow                                     | m <sup>3</sup> /h |           | 4880              | 5290              | 6980              | 12300                 | 11690                 | 10580                 | 17540                 | 15870                 | 12570                 |                               |      |
| Air throw (3)                               | m                 |           | 22                | 25                | 27                | 33                    | 32                    | 31                    | 36                    | 34                    | 27                    | Range extension - coming soon |      |
|                                             | nb                |           | 3                 | 1                 | 4                 | 2                     | 2                     | 2                     | 3                     | 3                     | 2                     |                               |      |
|                                             | Ø                 |           | 315               | 450               | 315               | 450                   | 450                   | 450                   | 450                   | 450                   | 500                   | 500                           | 500  |
| Fan<br>1,350 rpm                            | 230 V/1/50-60 Hz  | W max     | 288               | -                 | 380               | -                     | -                     | -                     | -                     | -                     | -                     | Range extension - coming soon |      |
|                                             |                   | A max (4) | 1,4               | -                 | 1,8               | -                     | -                     | -                     | -                     | -                     | -                     |                               |      |
|                                             | 400 V/3/50 Hz     | W max     | -                 | 450               | -                 | 900                   | 900                   | 900                   | 1350                  | 1350                  | 1540                  |                               |      |
|                                             |                   | A max (4) | -                 | 0,9               | -                 | 1,8                   | 1,8                   | 1,8                   | 2,7                   | 2,7                   | 3,4                   |                               |      |
| NOVA ... -L<br>Electric defrost<br>1K (5)   |                   | nb        | 3+1               | 4+1               | 2+1               | 2+1                   | 3+1                   | 4+1                   | 3+1                   | 4+1                   | -                     | Range extension - coming soon |      |
|                                             |                   | W total   | 3080              | 2200              | 2940              | 2640                  | 3520                  | 4400                  | 5280                  | 6600                  | -                     |                               |      |
|                                             | 230 V/1/50 Hz     | A total   | 13,39             | 9,57              | 12,78             | 11,48                 | 15,3                  | -                     | -                     | -                     | -                     |                               |      |
|                                             | 400 V/3/50 Hz     | A total   | -                 | -                 | -                 | -                     | -                     | 6,35                  | 7,62                  | 9,53                  | -                     |                               |      |
| NOVA ... -C<br>Standard electric<br>defrost | Coil + drain pan  | nb        | 4 + 1             | 6 + 1             | 3 + 1             | 3 + 1                 | 4 + 1                 | 6 + 1                 | 4 + 1                 | 6 + 1                 | 9 + 1                 | Range extension - coming soon |      |
|                                             |                   | W total   | 3850              | 3080              | 3920              | 3520                  | 4400                  | 6160                  | 6600                  | 9240                  | 12500                 |                               |      |
|                                             | 230 V/1/50 Hz     | A total   | -                 | 13,39             | -                 | 15,3                  | -                     | -                     | -                     | -                     | -                     |                               |      |
|                                             | 400 V/3/50 Hz     | A total   | 5,56              | -                 | 5,66              | -                     | 6,35                  | 8,89                  | 9,53                  | 13,34                 | 18,04                 |                               |      |
| Connections<br>HFCs                         | Inlet (6)         | Ø ODF     | D 5/8" * D 7/8" * | D 5/8" * D 7/8" * | D 5/8" * D 7/8" * | D 1 1/8" * D 1 1/8" * | D 1 1/8" * D 1 1/8" * | D 1 1/8" * D 1 1/8" * | D 1 1/8" * D 1 1/8" * | D 1 1/8" * D 1 1/8" * | D 1 1/8" * D 1 1/8" * | Range extension - coming soon |      |
|                                             |                   |           | 7/8" 7/8"         | 7/8" 7/8"         | 7/8" 7/8"         | 1 3/8" 1 3/8"         | 1 3/8" 1 3/8"         | 1 3/8" 1 3/8"         | 1 5/8" 1 5/8"         | 1 5/8" 1 5/8"         | 1 5/8" 1 5/8"         |                               |      |
| Net weight (7)                              | kg                |           | 46                | 41                | 56                | 56                    | 59                    | 65                    | 81                    | 90                    | 173                   |                               |      |

(1) Standard conditions:

SC2 / 0 °C (air inlet temp.) / -8 °C (evaporating temp.) / DTM = 8K

SC3 / -18 °C (air inlet temp.) / -25 °C (evaporating temp.) / DTM = 7K

(2) Operating pressure - Specific coil - Connection diameters to be defined when ordering.

(3) Residual air speed: 0.25 m/s.

(4) Adjustment of overload protection. For air temperatures "ti" other than +20 °C, multiply the intensities by the ratio 293/(273 + "ti") to obtain the approximate value of the intensity after the room has been brought up to temperature.

(5) Electric defrost option.

(6) OD: Male connection - ODF: female to receive the tube of the same diameter.\* Male inlet connection

(7) Standard net weight - Specific net weight for CO2 80 bar: contact us.

**R404A is a refrigerant only available for non-EU markets (not compatible with F-Gas).**

NOVA 3<sub>(A)</sub> 1<sub>(B)</sub> 43<sub>(C)</sub> -S<sub>(D)</sub>

(A) Fan diameter: 3 = Ø 315 mm - 4 = Ø 450 mm - 5 = Ø 500 mm

(3) Number of fans

(C) Model

(D) Fin spacing: R = 4 mm (positive) E = 4 mm (negative)

L = 6 mm (positive) C = 6 mm (negative) S = 8 mm (negative)

The NOVA is available with CO<sub>2</sub>,  
A2Ls, HFCs and glycol water.  
For more information, please consult  
our software.

## NOVA (1/2)

8 mm

| CONDITIONS | REFRIGERANTS                 | NOVA ... -S | 3152 | 3153 | 3154 | 3155 | 3156 | 3243 | 3244 | 3245 | 3343 | 3344 | 3345 |
|------------|------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|
| SC3 (1)    | CO <sub>2</sub> - 60 bar (2) | kW          | 1,23 | 1,67 | 2,02 | 2,23 | 2,38 | 2,72 | 3,58 | 3,92 | 4,28 | 5,09 | 5,93 |
|            | CO <sub>2</sub> - 80 bar (2) | kW          | 1,12 | 1,53 | 1,88 | 2,14 | 2,31 | 2,59 | 3,34 | 3,78 | 4,02 | 4,98 | 5,72 |
|            | R454C (R455A*)               | kW          | 0,71 | 1,06 | 1,34 | 1,6  | 1,81 | 1,86 | 2,42 | 2,76 | 2,81 | 3,63 | 4,19 |
|            | R448A (R449A*)               | kW          | 0,89 | 1,26 | 1,58 | 1,88 | 2,11 | 2,22 | 2,86 | 3,22 | 3,33 | 4,27 | 4,97 |
|            | R404A                        | kW          | 0,95 | 1,41 | 1,77 | 2,03 | 2,28 | 2,46 | 3,15 | 3,57 | 3,81 | 4,64 | 5,18 |
| SC4 (1)    | CO <sub>2</sub> - 60 bar (2) | kW          | 1,02 | 1,38 | 1,65 | 1,84 | 1,96 | 2,24 | 2,96 | 3,3  | 3,57 | 4,23 | 4,98 |
|            | CO <sub>2</sub> - 80 bar (2) | kW          | 0,9  | 1,23 | 1,5  | 1,7  | 1,8  | 2,05 | 2,69 | 3,03 | 3,25 | 4,01 | 4,61 |
|            | R454C (R455A*)               | kW          | 0,51 | 0,77 | 0,96 | 1,17 | 1,33 | 1,34 | 1,76 | 2,02 | 2,06 | 2,65 | 3,07 |
|            | R448A (R449A*)               | kW          | 0,66 | 0,95 | 1,2  | 1,43 | 1,61 | 1,68 | 2,18 | 2,45 | 2,53 | 3,25 | 3,77 |
|            | R404                         | kW          | 0,72 | 1,1  | 1,38 | 1,58 | 1,79 | 1,91 | 2,44 | 2,81 | 2,99 | 3,63 | 4,04 |

\* Capacity close to the indicated refrigerant; to determine the exact capacity with the second refrigerant, please use the selection software.

|                                          |                   |           | 3152        | 3153   | 3154   | 3155   | 3156   | 3243     | 3244     | 3245     | 3343     | 3344     | 3345     |
|------------------------------------------|-------------------|-----------|-------------|--------|--------|--------|--------|----------|----------|----------|----------|----------|----------|
| Surface area                             | m <sup>2</sup>    |           | 2,8         | 4,1    | 5,5    | 6,9    | 8,3    | 6,6      | 8,8      | 11       | 9,9      | 13,2     | 16,5     |
| Circuit volume                           | dm <sup>3</sup>   |           | 0,8         | 1,3    | 1,7    | 2,1    | 2,5    | 2        | 2,7      | 3,3      | 3        | 4        | 5        |
| Airflow                                  | m <sup>3</sup> /h |           | 2070        | 1990   | 1920   | 1850   | 1770   | 3800     | 3580     | 3360     | 5700     | 5370     | 5040     |
| Air throw (3)                            | m                 |           | 21          | 20     | 19     | 18     | 18     | 21       | 21       | 20       | 25       | 25       | 23       |
| Fan<br>1,350 rpm                         | Nb                |           | 1           | 1      | 1      | 1      | 1      | 2        | 2        | 2        | 3        | 3        | 3        |
|                                          | Ø                 |           | 315         | 315    | 315    | 315    | 315    | 315      | 315      | 315      | 315      | 315      | 315      |
|                                          | 230 V/1/50-60 Hz  | W max     | 92          | 93     | 94     | 95     | 95     | 190      | 190      | 192      | 285      | 285      | 288      |
|                                          |                   | A max (4) | 0,4         | 0,4    | 0,4    | 0,4    | 0,4    | 0,9      | 0,9      | 0,9      | 1,3      | 1,3      | 1,4      |
|                                          | 400 V/3/50 Hz     | W max     | -           | -      | -      | -      | -      | -        | -        | -        | -        | -        | -        |
| NOVA...S<br>Standard electric<br>defrost |                   | A max (4) | -           | -      | -      | -      | -      | -        | -        | -        | -        | -        | -        |
|                                          | Coil + drain pan  | Nb        | 1 + 1       | 2 + 1  | 2 + 1  | 2 + 1  | 3 + 1  | 2 + 1    | 3 + 1    | 3 + 1    | 2 + 1    | 3 + 1    | 3 + 1    |
|                                          |                   | W Total   | 860         | 1290   | 1290   | 1290   | 1720   | 1545     | 2060     | 2060     | 2310     | 3080     | 3080     |
|                                          | 230 V/1/50 Hz     | A Total   | 3,74        | 5,61   | 5,61   | 5,61   | 7,48   | 6,72     | 8,96     | 8,96     | 10,04    | 13,39    | 13,39    |
| Connections<br>HFCs                      | 400 V/3/50 Hz     | A Total   | -           | -      | -      | -      | -      | -        | -        | -        | -        | -        | -        |
|                                          | Inlet (6)         | Ø ODF     | 1/2" - 12mm | D 5/8" | D 5/8" | D 5/8" | D 5/8" | D 5/8" * | D 5/8" * | D 5/8" * | D 5/8" * | D 5/8" * | D 5/8" * |
| Net weight (7)                           | Outlet (6)        | Ø OD      | 10mm        | 5/8"   | 5/8"   | 5/8"   | 5/8"   | 7/8"     | 7/8"     | 7/8"     | 7/8"     | 7/8"     | 7/8"     |
|                                          |                   | kg        | 20          | 21     | 21     | 21     | 22     | 29       | 30       | 31       | 40       | 42       | 44       |

(1) Standard conditions:

SC2 / 0 °C (air inlet temp.) / -8 °C (evaporating temp.) / DTM = 8K

SC3 / -18 °C (air inlet temp.) / -25 °C (evaporating temp.) / DTM = 7K

(2) Operating pressure - Specific coil - Connection diameters to be defined when ordering.

(3) Residual air speed: 0.25 m/s.

(4) Adjustment of overload protection. For air temperatures "ti" other than +20 °C, multiply the intensities by the ratio 293/(273 + "ti") to obtain the approximate value of the intensity after the room has been brought up to temperature.

(5) Electric defrost option.

(6) OD: Male connection - ODF: female to receive the tube of the same diameter.\* Male inlet connection

(7) Standard net weight - Specific net weight for CO<sub>2</sub> 80 bar: contact us.

R404A is a refrigerant only available for non-EU markets (not compatible with F-Gas).

# NOVA 4<sup>(A)</sup>1<sup>(B)</sup>66<sup>(C)</sup>-S<sup>(D)</sup>

(A) Fan diameter: **3** = Ø 315 mm - **4** = Ø 450 mm - **5** = Ø 500 mm

(3) Number of fans

(C) Model

(D) Fin spacing: **R** = 4 mm (positive) **E** = 4 mm (negative)

**L** = 6 mm (positive) **C** = 6 mm (negative) **S** = 8 mm (negative)

The NOVA is available with CO<sub>2</sub>, A2Ls, HFCs and glycol water. For more information, please consult our software.

## NOVA (2/2)

8 mm

| CONDITIONS | REFRIGERANTS                 | NOVA ... -S | 4165 | 3444 | 4166 | 4263 | 4264  | 4266  | 4364  | 4366  | 5288                          | 53XX | 54XX |
|------------|------------------------------|-------------|------|------|------|------|-------|-------|-------|-------|-------------------------------|------|------|
| SC3 (1)    | CO <sub>2</sub> - 60 bar (2) | kW          | 6,40 | 6,98 | 7,09 | 8,91 | 11,06 | 14,27 | 16,63 | 20,65 | Range extension - coming soon |      |      |
|            | CO <sub>2</sub> - 80 bar (2) | kW          | 5,23 | 6,83 | 5,9  | 7,19 | 9,06  | 11,89 | 13,67 | 17,96 |                               |      |      |
|            | R454C (R455A*)               | kW          | 3,63 | 4,9  | 4,14 | 5,31 | 6,46  | 8,71  | 9,84  | 13,93 |                               |      |      |
|            | R448A (R449A*)               | kW          | 4,76 | 5,73 | 5,3  | 6,82 | 8,24  | 10,97 | 12,49 | 16,72 |                               |      |      |
|            | R404A                        | kW          | 4,05 | 6,25 | 4,4  | 5,86 | 6,93  | 8,97  | 10,5  | 13,86 |                               |      |      |
| SC4 (1)    | CO <sub>2</sub> - 60 bar (2) | kW          | 5,15 | 5,71 | 5,72 | 7,15 | 8,89  | 11,52 | 13,37 | 16,57 |                               |      |      |
|            | CO <sub>2</sub> - 80 bar (2) | kW          | 4,2  | 5,48 | 4,73 | 5,76 | 7,26  | 9,67  | 10,96 | 14,61 |                               |      |      |
|            | R454C (R455A*)               | kW          | 2,62 | 3,57 | 3    | 3,83 | 4,71  | 6,38  | 7,18  | 10,32 |                               |      |      |
|            | R448A (R449A*)               | kW          | 3,68 | 4,38 | 4,12 | 5,28 | 6,42  | 8,64  | 9,78  | 13,19 |                               |      |      |
|            | R404A                        | kW          | 3,49 | 4,89 | 3,91 | 5,01 | 6,06  | 8,03  | 9,15  | 12,5  |                               |      |      |

\* Capacity close to the indicated refrigerant; to determine the exact capacity with the second refrigerant, please use the selection software.

|                |                           |            | 4165  | 3444     | 4166     | 4263     | 4264     | 4266       | 4364       | 4366       | 5288       | 53XX | 54XX |
|----------------|---------------------------|------------|-------|----------|----------|----------|----------|------------|------------|------------|------------|------|------|
| Surface area   | m <sup>2</sup>            |            | 12,4  | 17,6     | 14,9     | 14,9     | 19,8     | 29,7       | 29,7       | 44,6       |            |      |      |
| Circuit volume | dm <sup>3</sup>           |            | 3,8   | 5,4      | 4,5      | 4,5      | 6        | 9          | 9          | 13,5       |            |      |      |
| Airflow        | m <sup>3</sup> /h         |            | 5600  | 7160     | 5350     | 12310    | 11750    | 10710      | 17630      | 16060      |            |      |      |
| Air throw (3)  | m                         |            | 26    | 28       | 25       | 33       | 32       | 31         | 36         | 34         |            |      |      |
| Fan            |                           | Nb         | 1     | 4        | 1        | 2        | 2        | 2          | 3          | 3          |            |      |      |
|                |                           | Ø          | 450   | 315      | 450      | 450      | 450      | 450        | 450        | 450        |            |      |      |
|                | 230 V/1/50-60 Hz          | W max      | -     | 380      | -        | -        | -        | -          | -          | -          |            |      |      |
|                |                           | A max (4)  | -     | 1,8      | -        | -        | -        | -          | -          | -          |            |      |      |
|                | 400 V/3/50 Hz             | W max      | 450   | -        | 450      | 900      | 900      | 900        | 1350       | 1350       |            |      |      |
| NOVA...S       |                           | A max (4)  | 0,9   | -        | 0,9      | 1,8      | 1,8      | 1,8        | 2,7        | 2,7        |            |      |      |
|                | Coil + drain pan          | Nb         | 5 + 1 | 3 + 1    | 6 + 1    | 3 + 1    | 4 + 1    | 6 + 1      | 4 + 1      | 6 + 1      |            |      |      |
|                |                           | W Total    | 2640  | 3920     | 3080     | 3520     | 4400     | 6160       | 6600       | 9240       |            |      |      |
|                | Standard electric defrost |            |       |          |          |          |          |            |            |            |            |      |      |
|                | 230 V/1/50 Hz             | A Total    | 11,48 | -        | 13,39    | 15,3     | -        | -          | -          | -          |            |      |      |
| HFCs           |                           |            |       |          |          |          |          |            |            |            |            |      |      |
|                | 400 V/3/50 Hz             | A Total    | -     | 5,66     | -        | -        | 6,35     | 8,89       | 9,53       | 13,34      |            |      |      |
|                | Connections               | Inlet (6)  | Ø ODF | D 5/8" * | D 5/8" * | D 7/8" * | D 7/8" * | D 1 1/8" * | D 1 1/8" * | D 1 1/8" * | D 1 1/8" * |      |      |
|                |                           | Outlet (6) | Ø OD  | 7/8"     | 7/8"     | 7/8"     | 7/8"     | 1 3/8"     | 1 3/8"     | 1 3/8"     | 1 3/8"     |      |      |
|                | Net weight (7)            | kg         | 37    | 54       | 39       | 54       | 56       | 62         | 79         | 86         |            |      |      |

Range extension - coming soon

(1) Standard conditions:

SC2 / 0 °C (air inlet temp.) / -8 °C (evaporating temp.) / DTM = 8K

SC3 / -18 °C (air inlet temp.) / -25 °C (evaporating temp.) / DTM = 7K

(2) Operating pressure - Specific coil - Connection diameters to be defined when ordering.

(3) Residual air speed: 0.25 m/s.

(4) Adjustment of overload protection. For air temperatures "ti" other than +20 °C, multiply the intensities by the ratio 293/(273 + "ti") to obtain the approximate value of the intensity after the room has been brought up to temperature.

(5) Electric defrost option.

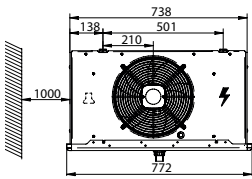
(6) OD: Male connection - ODF: female to receive the tube of the same diameter. \* Male inlet connection

(7) Standard net weight - Specific net weight for CO<sub>2</sub> 80 bar: contact us.

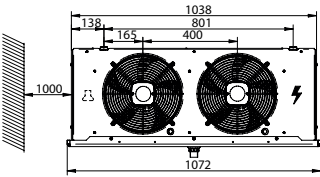
**R404A is a refrigerant only available for non-EU markets (not compatible with F-Gas).**

NOVA | Ø 315 mm

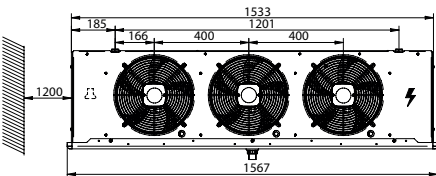
NOVA 315 ..



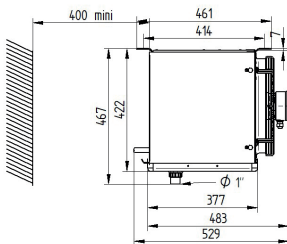
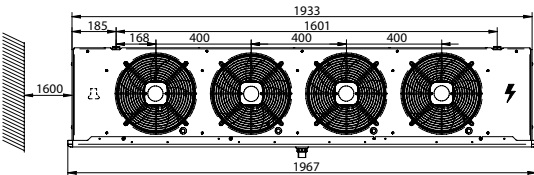
NOVA 324 ..



NOVA 334 ..

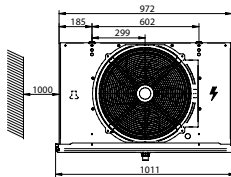


NOVA 344 ..

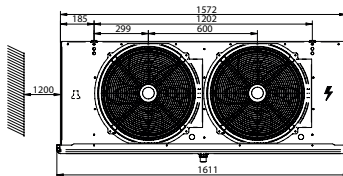


NOVA | Ø 450 mm

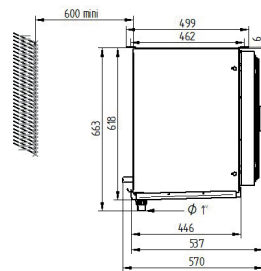
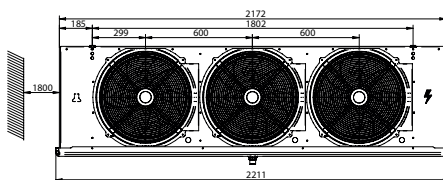
NOVA 416 ..



NOVA 426 ..



NOVA 436 ..



NOVA | Ø 500 mm

NOVA 528 ..

