



Goedhart VRB / VRZ

Industrial air coolers for cooling & freezing applications
StSt/Al

$\text{NH}_3 - \text{CO}_2$



Goedhart VRB/VRZ

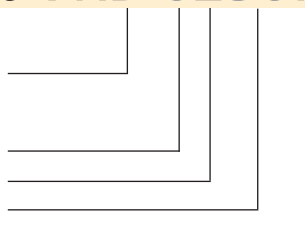
The range Goedhart VRB/VRZ single discharge ceiling mounted industrial air coolers consists of 902 types with capacities between 3,3 and 236,3 kW. The Goedhart VRB/VRZ air coolers are suitable for cooling and freezing applications and with a wide variety of accessories and options available. The coil block is standard build from aluminium end plates, stainless steel 304 tubes and aluminium fins. The fans are arranged for blow-through air configuration for the Goedhart VRB and draw-through for the Goedhart VRZ (please state which is required when ordering).. The modular design incorporates 5 different sizes of fan, with model options of up to 8 fans per cooler

Type-description

Goedhart VRB 62567

B=blow through
Z=draw through

Number of rows deep
Number of fans
Fan diameter [cm]
Fins spacing [mm]



Coil block

- Tube pitch : 50x50 mm straight
- Fin spacings : 4, 6, 7, 8, 10 and 12 mm
- Material : 15 mm o.d stainless steel 304 tubes
- : aluminium HT-fins
- Optimized cooling circuits
- Standard refrigerant connections are positioned on the left hand side of the unit when looking with the direction of the airflow.
- A good thermal contact is achieved by hydraulic expansion of the tubes into the fin collars, that are also utilised as spacers to provide a constant distance between the fins.
- All coolers are pressure tested to 30 bar (lower by cooling mediums) and are supplied with a light over pressure charge of dry nitrogen.
- Standard the air coolers are suitable for NH₃-pumpcirculation (ratio 2/4).

Casing

- Construction for ceiling mounting
- The flush mounting protects against and prevents accumulation of dust and dirt.
- Casing material of galvanized sheet steel
- Finishing is standard white epoxy spray (RAL 9003)
- Bend/header protection by end covers, easy removed for maintenance
- Defrost by hot gas spiral or electric defrost elements will be fixed to the bottom side of the coil.
- Stainless steel fasteners.

General range features

Capacity

The listed nominal cooling capacities are based on NH₃, DT1, a RH of 85% and 4 pole 3 phase fans connected in D.

Influence of Coating on Capacity

The use of coated fins, or of a fully coated coil will result in a capacity decrease of approximately 3%

Capacity optimisation

Since Goedhart tries to limit stock products, we are capable of optimising the circuitry of our evaporators. In order to do this, the following information is needed :

- Design capacity
- Air volume
- Refrigerant
- Air on temperature
- Evaporating temperature
- Liquid temperature before expansion valve.

Sound data

The mean sound pressure (LpA @ 3m ± 2 dB (A)) each air cooler is a calculated indication value according to the EN13487 standard parallel pipe. Goedhart uses the fan manufacturer's sound power level (LwA) at the inlet side of the fan. Changes to or by the fan or the product, affect the sound, in these cases, consult the manufacturer for the new indication value. In critical sound requirements, we advise you to consult an expert.

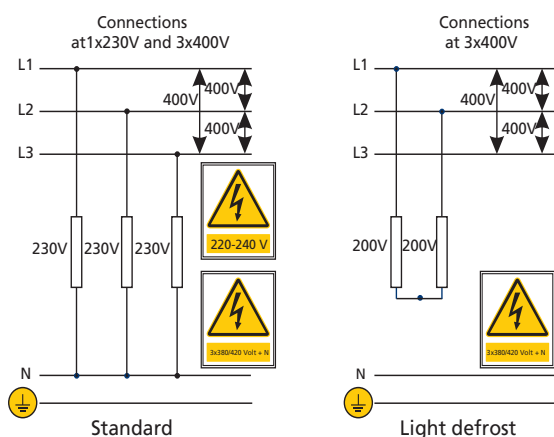
Defrostsystem:

For room temperatures where ice build-up can be expected and where the coilblock can not be defrosted by the room air, electric or hotgas defrost is necessary. With low temperatures we also advise fan periphery heating.

Electrical defrost:

The Goedhart VRB and VRZ can be provided with electric defrost. A distinction can be made here between heavy defrost loads for low temperatures and light defrost load for higher temperatures (room temperature approximately 0 °C).

The stainless steel heater elements are fitted in the coilblock in tubes, which forms a high conductive medium between the heaters and the fins. The driptray heaters are fitted to the underside of the aluminium inner tray with aluminium profiles. The heater elements which are rated for 220/240 V are connected for supply 380/415 V with neutral. The coilblock



elements are removable from the end opposite to the refrigerant connections, whilst the tray heater elements can be removed once the outer tray has been taken off.

Hotgas defrost:

The coilblock can be made suitable for hotgas. At an extra price the driptray can be provided with a hotgas/cooling medium spiral. The stainless steel tubes of the hotgas spiral are enclosed in special aluminium profiles that are rigidly secured to the underside of the aluminium inner tray, thus providing a good bond for maximum heat transfer. Just as with electric defrost a distinction is made with hotgas defrost between light defrost load (room temperature about 0°C) and heavy defrost load.

Accessories:

Standard accessories for the Goedhart VRB/VRZ air coolers are:

- Electric, hotgas and/or water defrost system.
- Fan periphery heating.
- Hinged drip tray.
- Insulation within the driptray.
- Insulated hygienic polyester driptray.
- Goedhart VRZ supplied with bellmouth connection per fan for a longer air throw
- Goedhart VRB supplied with air diffuser for a longer air throw
- Goedhart VRB supplied with air diffuser with air operated damper to increase defrost efficiency (air volume reduced to approx. 90% and capacity reduced to approx. 95%)

The accessories are included in the price list.

Optional extras:

Various optional extras for the VRB/VRZ are available, price and delivery upon request:

- Insulation discs
- Feet for floor mounting
- Coating of the coilblock
- Fan hood
- 60 Hz motors
- EC-fans
- Single phase motors
- Over heat protection on the motors
- Glycol/water/etc. cooling mediums, NH₃ dx, R22 dx/pump-system.
- Stainless steel casing
- Coupling between hotgas spiral and coilblock
- Other fin spacings
- Stainless steel 316 tubes

Mounting and Maintenance

Goedhart VRB/VRZ is delivered on a wooden frame. When on the frame, Goedhart VRB/VRZ can be handled by forklift truck, which makes positioning and installation simple. Refer to our maintenance and installation manual..



Fans

Because of the flexible construction of the Goedhart VRB/VRZ air cooler, in principle it is possible to deliver with different fans. GEA Goedhart selected a standard fan range of Ziehl Abegg (we reserve the right to alter the manufacturer) which fit perfectly on the Goedhart VRB/VRZ air coolers. The fans can be supplied in both blow-through and draw-through executions. Against an extra price and with extra delivery times stainless steel guards and EC-fans are available.

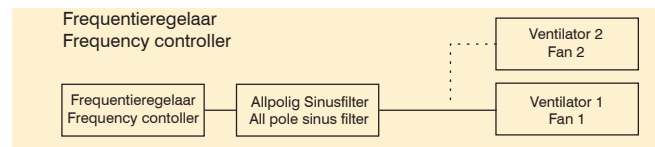
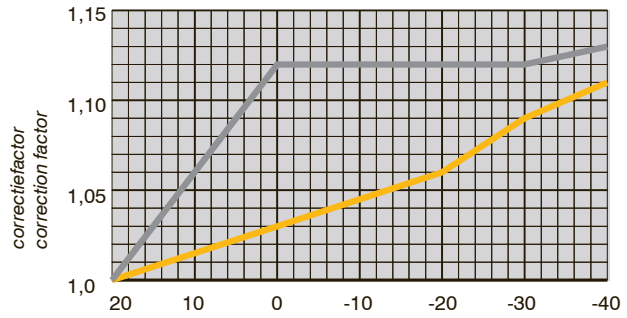
Execution

The fans meet the ErP directive. The fans have very good aerodynamic features because of the special impeller geometry. This special impeller geometry gives the fan a low noise level and an high efficiency.

1x230V fans are suitable for a room temperature till -25°C. 3x400V fans are suitable for a room temperature till -40°C. When lower room temperatures are desired, special fans are need.

- Tension : 3x400V-50Hz-3 phase
 : 1x230V-50Hz-1 phase
 (60Hz execution on request)
- Protection class : IP44 / IP54
- Color : RAL9005 (black)
- Speed controlling : - 3 Phase motors are suitable for 2-speed regulation by Δ -Y reconnection.
 - 3 Phase motors are suitable for frequency controller with all-pole sinus filter.
 - 1 Phase motors are suitable for phase control and transformer.

The motors are standard executed with a thermo contact (TB) and must be connected to prevent motor damages. The maximum allowable working data in the table and on the name plate of the fans are to operate in an air temperature of 20 °C (air density of $\rho = 1,2 \text{ kg/m}^3$). For air temperatures lower then +20 °C, the current amperage can be calculated by using the diagram multiplication factor, suitable thermal overloads can then be selected.



Three phase - 50 Hz

| Fan type | Tension V | Δ | | | | Y | | | | Wiring diagram blow-through/ draw-through |
|--|--------------|----------------------------|---------------|----------|---|----------------------------|---------------|----------|---|---|
| | | Speed min ⁻¹ | Input Watt | FLC A | Sound power indication each fan LwA (+/-2dB(A)) dB(A) | Speed min ⁻¹ | Input Watt | FLC A | Sound power indication each fan LwA (+/-2dB(A)) dB(A) | |
| 4 pole (n=1500 min⁻¹ nom.) | | | | | | | | | | |
| FN040 | 3x400/690 | 1370 | 230 | 0.44 | 76 | 1110 | 170 | 0.27 | 70,5 | 108B/108A |
| FN045 | 3x400/690 | 1250 | 350 | 0.64 | 78 | 950 | 220 | 0.35 | 70 | 108B/108A |
| FN050 | 3x400/690 | 1330 | 830 | 1.45 | 81 | 940 | 550 | 0.97 | 75 | 108B/108A |
| FN056 | 3x400/690 | 1280 | 1050 | 2.20 | 85 | 920 | 580 | 1.10 | 76 | 108B/108A |
| FE063 | 3x400/690 | 1330 | 1450 | 2.60 | 89 | 1080 | 980 | 1.60 | 84 | 108B/108A |
| 6 pole (n=1000 min⁻¹ nom.) | | | | | | | | | | |
| FN045 | 3x400/690 | 860 | 170 | 0.39 | 67 | 640 | 100 | 0.19 | 61 | 108B/108A |
| FN050 | 3x400/690 | 870 | 290 | 0.74 | 72 | 590 | 150 | 0.36 | 64 | 108B/108A |
| FN056 | 3x400/690 | 870 | 340 | 0.70 | 73 | 630 | 210 | 0.38 | 65 | 108B/108A |
| FN063 | 3x400/690 | 900 | 630 | 1.25 | 74 | 720 | 440 | 0.73 | 69 | 108B/108A |

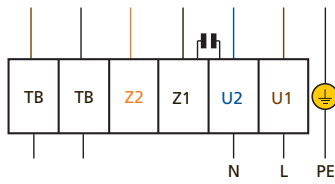
Single phase - 50 Hz

| Fan type | Speed min ⁻¹ | Input Watt | FLC A | Sound power indication each fan LwA (+/-2dB(A)) dB(A) | Wiring diagram blow-through/ draw-through |
|--|----------------------------|---------------|----------|---|---|
| 4 pole (n=1500 min⁻¹ nom.) | | | | | |
| FN040 | 1350 | 240 | 1.10 | 76 | 104B/104A |
| FN045 | 1290 | 390 | 1.75 | 80 | 104B/104A |
| FN050 | 1230 | 750 | 3.35 | 81,5 | 104B/104A |
| 6 pole (n=1000 min⁻¹ nom.) | | | | | |
| FN040 | 950 | 130 | 0.58 | 68 | 104B/104A |
| FN045 | 860 | 180 | 0.82 | 68,5 | 104B/104A |
| FN050 | 910 | 300 | 1.30 | 71,5 | 104B/104A |

Wiring diagram fans for blow-through air coolers

Ziehl Abegg 1x230V-50Hz (104XB)

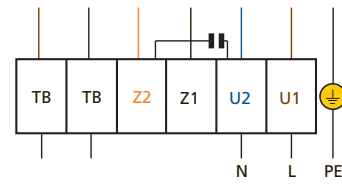
U1 = bruin
 U2 = blauw
 Z1 = zwart
 Z2 = oranje
 TB = wit



Wiring diagram fans for draw-through air coolers

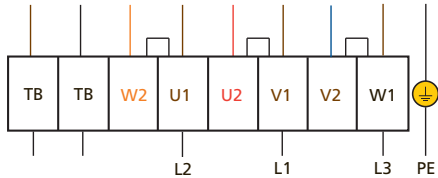
Ziehl Abegg 1x230V-50Hz (104XA)

U1 = bruin
 U2 = blauw
 Z1 = zwart
 Z2 = oranje
 TB = wit



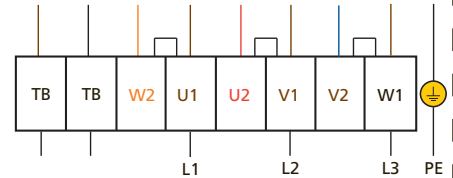
Ziehl Abegg 3x400V (Δ)-50Hz (108XB)

U1 = bruin
 V1 = blauw
 W1 = zwart
 U2 = rood
 V2 = grijs
 W2 = oranje
 TB = wit



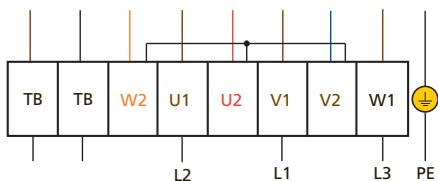
Ziehl Abegg 3x400V (Δ)-50Hz (108XA)

U1 = bruin
 V1 = blauw
 W1 = zwart
 U2 = rood
 V2 = grijs
 W2 = oranje
 TB = wit



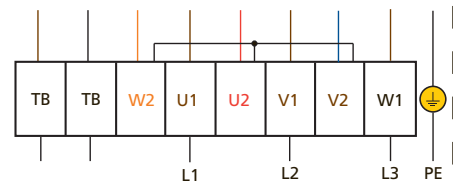
Ziehl Abegg 3x400V (Y)-50Hz (108XB)

U1 = bruin
 V1 = blauw
 W1 = zwart
 U2 = rood
 V2 = grijs
 W2 = oranje
 TB = wit



Ziehl Abegg 3x400V (Y)-50Hz (108XA)

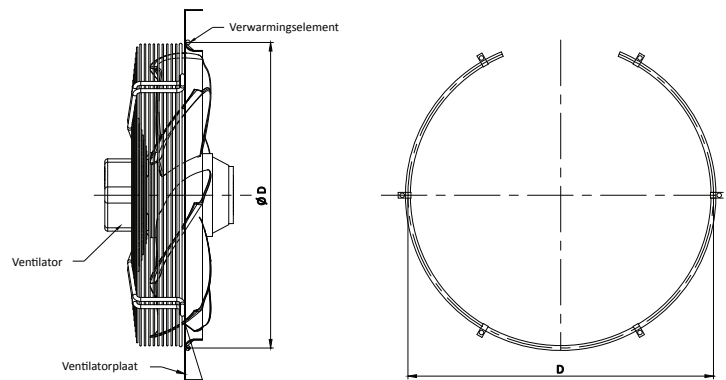
U1 = bruin
 V1 = blauw
 W1 = zwart
 U2 = rood
 V2 = grijs
 W2 = oranje
 TB = wit



Fan heating

To prevent the freezing of the impeller of the fan during the defrost cyclus of the air cooler, a fan heater can be used.

| Fan diameter | Diameter element | Power (230V) |
|--------------|------------------|--------------|
| mm | D in mm | kW |
| 400 | 435 | 0,50 |
| 450 | 485 | 0,63 |
| 500 | 535 | 0,63 |
| 560 | 595 | 0,76 |
| 630 | 665 | 0,89 |



Correction factors

Capacities at DT1:

Hereby the capacities are based on NH₃ pump system and DT1. DT1 is the difference between air-on temperature and the evaporation temperature of the cooler. The evaporation temperature is the saturated temperature corresponding to the pressure at the suction outlet of the cooler. The nominal capacities are based on evaporation temperatures of -8°C and DT1=8K and -25°C and DT1=7K and light frosting. Capacities for other mediums and systems are available upon request.

Correction factors for various air-on temperatures and temperature differences (DT1) are as indicated in the table below. The requested capacity must be multiplied by a correction factor from the table, so that a cooler with the resulting nominal capacity can be chosen from the selection tables.

$$Q_{\text{nominal}} = \text{factor} \times Q_{\text{requested}}$$

NH₃ light frost = 0.2 mm RH = 85%

| DT1 K | Evaporation temperature (°C) | | | | | | | | | | | | | |
|----------|------------------------------|------|------|------|------|-------|------|------|-------|------|-------|------|-------|------|
| | 0 | -2,5 | -5 | -7,5 | -10 | -12,5 | -15 | -20 | -22,5 | -25 | -27,5 | -30 | -32,5 | -35 |
| 5 | 1.63 | 1.69 | 1.75 | 1.80 | 1.85 | 1.90 | 1.95 | 1.48 | 1.51 | 1.54 | 1.57 | 1.60 | 1.63 | 1.65 |
| 6 | 1.29 | 1.34 | 1.39 | 1.43 | 1.47 | 1.50 | 1.54 | 1.17 | 1.20 | 1.22 | 1.24 | 1.26 | 1.29 | 1.31 |
| 7 | 1.06 | 1.11 | 1.14 | 1.17 | 1.21 | 1.24 | 1.26 | 0.97 | 0.99 | 1.00 | 1.02 | 1.04 | 1.06 | 1.07 |
| 8 | 0.90 | 0.94 | 0.97 | 1.00 | 1.02 | 1.04 | 1.06 | 0.82 | 0.83 | 0.85 | 0.86 | 0.88 | 0.89 | 0.91 |
| 9 | 0.78 | 0.80 | 0.84 | 0.86 | 0.88 | 0.90 | 0.92 | 0.70 | 0.72 | 0.73 | 0.75 | 0.76 | 0.77 | 0.78 |
| 10 | 0.68 | 0.70 | 0.74 | 0.76 | 0.78 | 0.79 | 0.80 | 0.62 | 0.63 | 0.64 | 0.65 | 0.66 | 0.67 | 0.69 |
| 11 | 0.61 | 0.63 | 0.66 | 0.68 | 0.69 | 0.70 | 0.71 | 0.55 | 0.56 | 0.57 | 0.58 | 0.59 | 0.60 | 0.60 |
| 12 | 0.54 | 0.56 | 0.59 | 0.60 | 0.62 | 0.63 | 0.64 | 0.49 | 0.50 | 0.51 | 0.52 | 0.53 | 0.54 | 0.53 |

 = gerekend zonder berijping

NH₃ normal frost = 0.5 mm RH= 85%

| DT1 K | Evaporation temperature (°C) | | | | | | | | | | | | | |
|----------|------------------------------|------|------|------|------|-------|------|------|-------|------|-------|------|-------|------|
| | 0 | -2,5 | -5 | -7,5 | -10 | -12,5 | -15 | -20 | -22,5 | -25 | -27,5 | -30 | -32,5 | -35 |
| 5 | | 1.86 | 1.92 | 1.98 | 2.03 | 2.08 | 2.13 | 1.68 | 1.71 | 1.73 | 1.74 | 1.76 | 1.79 | 1.80 |
| 6 | | 1.48 | 1.52 | 1.57 | 1.61 | 1.65 | 1.68 | 1.33 | 1.34 | 1.35 | 1.37 | 1.38 | 1.39 | 1.40 |
| 7 | | 1.22 | 1.26 | 1.29 | 1.33 | 1.36 | 1.39 | 1.08 | 1.09 | 1.10 | 1.11 | 1.12 | 1.13 | 1.14 |
| 8 | | 1.04 | 1.07 | 1.09 | 1.12 | 1.14 | 1.16 | 0.91 | 0.92 | 0.93 | 0.95 | 0.96 | 0.97 | 0.98 |
| 9 | | | 0.92 | 0.95 | 0.97 | 0.99 | 1.00 | 0.79 | 0.80 | 0.81 | 0.81 | 0.82 | 0.83 | 0.84 |
| 10 | | | 0.81 | 0.83 | 0.85 | 0.86 | 0.88 | 0.69 | 0.70 | 0.71 | 0.71 | 0.72 | 0.74 | 0.74 |
| 11 | | | 0.72 | 0.74 | 0.76 | 0.77 | 0.78 | 0.61 | 0.62 | 0.63 | 0.64 | 0.64 | 0.65 | 0.66 |
| 12 | | | 0.65 | 0.67 | 0.68 | 0.69 | 0.70 | 0.55 | 0.56 | 0.57 | 0.58 | 0.59 | 0.60 | 0.61 |

Attention!









ATTENTION !!!

When making your selection, pay attention to the ratio between the air volume and capacity. A low volume to capacity ratio results in a wide temperature drop across the coil which cause to dry out (especially on coils with a high number of rows deep).

Moisture carry over from the coil block:

When you select VRB with a Ø500 mm fan in an application with a high relative humidity and/or defrost with room air, Goedhart advises the use of a fan with a low pitch angle or the draw-through execution VRZ. Thus, you will avoid the risk of moisture carry over from the coil block. The fan with a low pitch angle give a reducing of the capacity of approx. 5% and a reduction of the air volume of approx. 10%.

Goedhart VRB/VRZ 4mm

| Type VRB VRZ | 3x400V-50H-4polig (1500 min ⁻¹ nom.) | | | | | | Dimensions | | | | | | | | | | Connections | | | |
|--|--|--|---------------------------------|-----------------------------|---------------------------|------------------------------------|--------------|---------|---------|---------|---------|---------------|----------|----------|----------|----------|---------------|----------------|---------------|------------------|
| | NH3 | | Air volume m ³ /h | LpA @ 3 m (+/- 2 dB(A))* | Surface m ² | Internal volume dm ³ | Weight kg | L mm | B mm | H mm | C mm | E E1 mm | E2 mm | E3 mm | D1 mm | D2 mm | Refrigerant | | | |
| | DT1 = 8K (SC2) air on= 0°C (-8/0) | DT1 = 7K (SC3) air on= -18°C (-25/-18) | | | | | | | | | | | | | | | I In mm | K Out mm | Hot gas mm | Air throw** m |
| | kW | kW | | | | | | | | | | | | | | | | | | |
|  1x | 4.1.40.4 | 7,7 | 2985 | 54,3 | 38 | 6 | 79 | 1156 | 640 | 620 | 500 | 756 | | | 578 | | 21,3 | 21,3 | 22 | 20 |
| | 6.1.40.4 | 8,6 | 2687 | 54,3 | 57 | 8 | 97 | 1156 | 740 | 620 | 600 | 756 | | | 578 | | 21,3 | 21,3 | 22 | 20 |
| | 4.1.45.4 | 11,2 | 4477 | 56,2 | 52 | 8 | 95 | 1256 | 610 | 720 | 500 | 856 | | | 628 | | 21,3 | 26,7 | 22 | 22,5 |
| | 6.1.45.4 | 12,5 | 4014 | 56,2 | 78 | 11 | 118 | 1256 | 710 | 720 | 600 | 856 | | | 628 | | 21,3 | 26,7 | 22 | 22,5 |
| | 4.1.50.4 | 15,3 | 6496 | 59,1 | 65 | 10 | 124 | 1456 | 730 | 720 | 600 | 1056 | | | 728 | | 21,3 | 26,7 | 22 | 25 |
| | 6.1.50.4 | 17,7 | 5952 | 59,1 | 98 | 14 | 151 | 1456 | 830 | 720 | 700 | 1056 | | | 728 | | 21,3 | 33,7 | 22 | 25 |
| | 4.1.56.4 | 22,2 | 9411 | 62,8 | 95 | 14 | 166 | 1556 | 830 | 920 | 700 | 1156 | | | 778 | | 21,3 | 33,7 | 22 | 27,5 |
| | 6.1.56.4 | 26,1 | 8808 | 62,8 | 143 | 20 | 204 | 1556 | 930 | 920 | 800 | 1156 | | | 778 | | 21,3 | 33,7 | 22 | 27,5 |
| | 4.1.63.4 | 29,0 | 11884 | 66,6 | 130 | 18 | 218 | 1656 | 845 | 1120 | 700 | 1256 | | | 828 | | 21,3 | 42,2 | 22 | 27,5 |
| 6.1.63.4 | 33,8 | 11188 | 66,6 | 195 | 27 | 266 | 1656 | 945 | 1120 | 800 | 1256 | | | 828 | | 21,3 | 42,2 | 22 | 27,5 | |
|  2x | 4.2.40.4 | 15,4 | 5958 | 57,0 | 76 | 11 | 129 | 1856 | 640 | 620 | 500 | 1456 | | | 928 | | 21,3 | 26,7 | 22 | 20 |
| | 6.2.40.4 | 17,1 | 5362 | 57,0 | 114 | 16 | 160 | 1856 | 740 | 620 | 600 | 1456 | | | 928 | | 21,3 | 33,7 | 22 | 20 |
| | 4.2.45.4 | 22,3 | 8937 | 58,9 | 104 | 15 | 158 | 2056 | 610 | 720 | 500 | 1656 | | | 1028 | | 21,3 | 33,7 | 22 | 22,5 |
| | 6.2.45.4 | 25,0 | 8012 | 58,9 | 156 | 22 | 199 | 2056 | 710 | 720 | 600 | 1656 | | | 1028 | | 21,3 | 33,7 | 22 | 22,5 |
| | 4.2.50.4 | 30,6 | 12978 | 61,7 | 130 | 18 | 213 | 2456 | 730 | 720 | 600 | 2056 | | | 1228 | | 21,3 | 42,2 | 22 | 25 |
| | 6.2.50.4 | 35,3 | 11889 | 61,7 | 195 | 27 | 262 | 2456 | 830 | 720 | 700 | 2056 | | | 1228 | | 21,3 | 42,2 | 22 | 25 |
| | 4.2.56.4 | 44,4 | 18809 | 65,4 | 190 | 27 | 287 | 2656 | 830 | 920 | 700 | 2256 | | | 1328 | | 26,7 | 42,2 | 22 | 27,5 |
| | 6.2.56.4 | 52,1 | 17600 | 65,4 | 285 | 40 | 356 | 2656 | 930 | 920 | 800 | 2256 | | | 1328 | | 26,7 | 42,2 | 22 | 27,5 |
| | 4.2.63.4 | 57,9 | 23756 | 69,2 | 259 | 36 | 382 | 2856 | 845 | 1120 | 700 | 2456 | | | 1428 | | 26,7 | 48,3 | 22 | 27,5 |
| 6.2.63.4 | 67,6 | 22357 | 69,2 | 389 | 54 | 473 | 2856 | 945 | 1120 | 800 | 2456 | | | 1428 | | 33,7 | 60,3 | 33,7 | 27,5 | |
|  3x | 4.3.45.4 | 33,5 | 13398 | 60,4 | 156 | 22 | 223 | 2856 | 610 | 720 | 500 | 2456 | | | 1428 | | 21,3 | 42,2 | 22 | 22,5 |
| | 6.3.45.4 | 37,4 | 12009 | 60,4 | 233 | 33 | 281 | 2856 | 710 | 720 | 600 | 2456 | | | 1428 | | 21,3 | 42,2 | 22 | 22,5 |
| | 4.3.50.4 | 45,8 | 19460 | 63,1 | 194 | 27 | 302 | 3456 | 730 | 720 | 600 | 1028 | 2028 | | 864 | 1728 | 26,7 | 42,2 | 22 | 25 |
| | 6.3.50.4 | 52,9 | 17825 | 63,1 | 292 | 41 | 376 | 3456 | 830 | 720 | 700 | 1028 | 2028 | | 864 | 1728 | 26,7 | 42,2 | 22 | 25 |
| | 4.3.56.4 | 66,8 | 28205 | 66,8 | 285 | 40 | 406 | 3756 | 830 | 920 | 700 | 1128 | 2228 | | 939 | 1878 | 26,7 | 48,3 | 22 | 27,5 |
| | 6.3.56.4 | 78,1 | 26390 | 66,8 | 427 | 60 | 508 | 3756 | 930 | 920 | 800 | 1128 | 2228 | | 939 | 1878 | 33,7 | 60,3 | 33,7 | 27,5 |
| | 4.3.63.4 | 86,9 | 35627 | 70,6 | 389 | 54 | 548 | 4056 | 845 | 1120 | 700 | 1228 | 2428 | | 1014 | 2028 | 33,7 | 60,3 | 33,7 | 27,5 |
| | 6.3.63.4 | 101,3 | 33527 | 70,6 | 583 | 81 | 679 | 4056 | 945 | 1120 | 800 | 1228 | 2428 | | 1014 | 2028 | 33,7 | 60,3 | 33,7 | 27,5 |
| |  4x | 4.4.45.4 | 44,6 | 17858 | 61,3 | 207 | 29 | 285 | 3656 | 610 | 720 | 500 | 1628 | 1628 | | 914 | 1828 | 26,7 | 42,2 | 22 |
| 6.4.45.4 | | 49,8 | 16006 | 61,3 | 311 | 44 | 363 | 3656 | 710 | 720 | 600 | 1628 | 1628 | | 914 | 1828 | 26,7 | 42,2 | 22 | 22,5 |
| 4.4.50.4 | | 61,1 | 25941 | 64,0 | 259 | 36 | 390 | 4456 | 730 | 720 | 600 | 2028 | 2028 | | 1114 | 2228 | 26,7 | 48,3 | 33,7 | 25 |
| 6.4.50.4 | | 70,5 | 23761 | 64,0 | 388 | 54 | 484 | 4456 | 830 | 720 | 700 | 2028 | 2028 | | 1114 | 2228 | 33,7 | 60,3 | 33,7 | 25 |
| 4.4.56.4 | | 88,7 | 37602 | 67,7 | 380 | 53 | 527 | 4856 | 830 | 920 | 700 | 2228 | 2228 | | 1214 | 2428 | 33,7 | 60,3 | 33,7 | 27,5 |
| 6.4.56.4 | | 104,1 | 35182 | 67,7 | 570 | 79 | 659 | 4856 | 930 | 920 | 800 | 2228 | 2228 | | 1214 | 2428 | 33,7 | 60,3 | 33,7 | 27,5 |
| 4.4.63.4 | | 115,5 | 47497 | 71,5 | 518 | 72 | 712 | 5256 | 845 | 1120 | 700 | 2428 | 2428 | | 1314 | 2628 | 33,7 | 60,3 | 33,7 | 27,5 |
| 6.4.63.4 | | 135,1 | 44695 | 71,5 | 777 | 108 | 897 | 5256 | 945 | 1120 | 800 | 2428 | 2428 | | 1314 | 2628 | 42,2 | 76,1 | 33,7 | 27,5 |
|  5x | | 4.5.45.4 | 55,0 | 22320 | 62,1 | 259 | 36 | 350 | 4456 | 610 | 720 | 500 | 1628 | 2428 | | 1114 | 2228 | 26,7 | 42,2 | 22 |
| | 6.5.45.4 | 62,3 | 20003 | 62,1 | 388 | 54 | 445 | 4456 | 710 | 720 | 600 | 1628 | 2428 | | 1114 | 2228 | 26,7 | 48,3 | 33,7 | 22,5 |
| | 4.5.50.4 | 75,7 | 32423 | 64,7 | 324 | 45 | 478 | 5456 | 730 | 720 | 600 | 2028 | 3028 | | 1364 | 2728 | 33,7 | 60,3 | 33,7 | 25 |
| | 6.5.50.4 | 88,2 | 29696 | 64,7 | 485 | 68 | 595 | 5456 | 830 | 720 | 700 | 2028 | 3028 | | 1364 | 2728 | 33,7 | 60,3 | 33,7 | 25 |
| | 4.5.63.4 | 143,6 | 59367 | 72,1 | 647 | 90 | 876 | 6456 | 845 | 1120 | 700 | 2428 | 2428 | 1200 | 1076 | 2x2152 | 42,2 | 76,1 | 33,7 | 27,5 |
| | 6.5.63.4 | 168,7 | 55865 | 72,1 | 971 | 135 | 1092 | 6456 | 945 | 1120 | 800 | 2428 | 2428 | 1200 | 1076 | 2x2152 | 42,2 | 76,1 | 33,7 | 27,5 |
|  6x | 4.6.45.4 | 66,9 | 26781 | 62,6 | 311 | 44 | 415 | 5256 | 610 | 720 | 500 | 2428 | 2428 | | 1314 | 2628 | 26,7 | 48,3 | 33,7 | 22,5 |
| | 6.6.45.4 | 74,8 | 24000 | 62,6 | 466 | 65 | 528 | 5256 | 710 | 720 | 600 | 2428 | 2428 | | 1314 | 2628 | 33,7 | 60,3 | 33,7 | 22,5 |
| | 4.6.50.4 | 91,6 | 38905 | 65,2 | 388 | 54 | 567 | 6456 | 730 | 720 | 600 | 2028 | 2028 | 2000 | 1076 | 2x2152 | 33,7 | 60,3 | 33,7 | 25 |
| | 6.6.50.4 | 105,7 | 35633 | 65,2 | 582 | 81 | 706 | 6456 | 830 | 720 | 700 | 2028 | 2028 | 2000 | 1076 | 2x2152 | 33,7 | 60,3 | 33,7 | 25 |
| | 4.6.63.4 | 173,7 | 71238 | 72,6 | 776 | 108 | 1040 | 7656 | 845 | 1120 | 700 | 2428 | 2428 | 2400 | 1276 | 2x2552 | 42,2 | 76,1 | 33,7 | 27,5 |
| | 6.6.63.4 | 202,5 | 67033 | 72,6 | 1165 | 162 | 1298 | 7656 | 945 | 1120 | 800 | 2428 | 2428 | 2400 | 1276 | 2x2552 | 48,3 | 76,1 | 42 | 27,5 |
|  7x | 4.7.45.4 | 77,9 | 31241 | 63,0 | 362 | 51 | 479 | 6056 | 610 | 720 | 500 | 2428 | 2428 | 800 | 1514 | 3028 | 33,7 | 60,3 | 33,7 | 22,5 |
| | 6.7.45.4 | 87,2 | 27997 | 63,0 | 544 | 76 | 609 | 6056 | 710 | 720 | 600 | 2428 | 2428 | 800 | 1514 | 3028 | 33,7 | 60,3 | 33,7 | 22,5 |
| | 4.7.63.4 | 201,2 | 83111 | 73,2 | 906 | 126 | 1172 | 7456 | 845 | 1320 | 700 | 2028 | 2028 | 3000 | 1243 | 2x2485 | 48,3 | 76,1 | 33,7 | 27,5 |
| | 6.7.63.4 | 236,3 | 78207 | 73,2 | 1359 | 189 | 1467 | 7456 | 945 | 1320 | 800 | 2028 | 2028 | 3000 | 1243 | 2x2485 | 48,3 | 88,9 | 42 | 27,5 |
|  8x | 4.8.45.4 | 89,1 | 35702 | 63,4 | 414 | 58 | 542 | 6856 | 610 | 720 | 500 | 2428 | 2428 | 1600 | 1143 | 2x2285 | 33,7 | 60,3 | 33,7 | 22,5 |
| | 6.8.45.4 | 99,6 | 31995 | 63,4 | 621 | 87 | 691 | 6856 | 710 | 720 | 600 | 2428 | 2428 | 1600 | 1143 | 2x2285 | 33,7 | 60,3 | 33,7 | 22,5 |

Pay attention to the relation capacity / air volume !!




* = Sound pressure indication (LpA) at 3 m distance each air cooler (+/- 2 dB(A)), free field conditions, according EN13487

** = Air throw see remark page 5

For moisture carry over see remark pag 5

Capacities and air volumes with 60 Hz fans on request or in our GPC selection program available.

Goedhart VRB/VRZ 6mm

| | Type VRB VRZ | 3x400V-50H-4polig (1500 min ⁻¹ nom.) | | | | | | | Dimensions | | | | | | | | | | Connections | | | |
|---|--------------------|--|--|---------------------------------|-----------------------------|---------------------------|------------------------------------|--------------|------------|---------|---------|---------|---------------|----------|----------|----------|----------|---------------|----------------|---------------|------------------|--|
| | | NH3 | | Air volume m ³ /h | LpA @ 3 m (+/- 2 dB(A))* | Surface m ² | Internal volume dm ³ | Weight kg | L mm | B mm | H mm | C mm | E E1 mm | E2 mm | E3 mm | D1 mm | D2 mm | Refrigerant | | | | |
| | | DT1 = 8K (SC2) air on= 0°C (-8/0) | DT1 = 7K (SC3) air on= -18°C (-25/-18) | | | | | | | | | | | | | | | I In mm | K Out mm | Hot gas mm | Air throw** m | |
| | | kW | kW | | | | | | | | | | | | | | | | | | | |
|  | 4.1.40.6 | 6,4 | 4,6 | 3323 | 54,3 | 26 | 6 | 75 | 1156 | 640 | 620 | 500 | 756 | | | 578 | | 21,3 | 21,3 | 22 | 20 | |
| | 6.1.40.6 | 7,8 | 5,4 | 3105 | 54,3 | 39 | 8 | 89 | 1156 | 740 | 620 | 600 | 756 | | | 578 | | 21,3 | 21,3 | 22 | 20 | |
| | 8.1.40.6 | 8,6 | 6,1 | 2913 | 54,3 | 52 | 11 | 106 | 1156 | 840 | 620 | 700 | 756 | | | 578 | | 21,3 | 21,3 | 22 | 20 | |
| | 4.1.45.6 | 9,3 | 6,4 | 5027 | 56,2 | 35 | 8 | 89 | 1256 | 610 | 720 | 500 | 856 | | | 628 | | 21,3 | 21,3 | 22 | 22,5 | |
| | 6.1.45.6 | 11,4 | 8,2 | 4668 | 56,2 | 53 | 11 | 108 | 1256 | 710 | 720 | 600 | 856 | | | 628 | | 21,3 | 26,7 | 22 | 22,5 | |
| | 8.1.45.6 | 12,6 | 8,9 | 4364 | 56,2 | 71 | 15 | 128 | 1256 | 810 | 720 | 700 | 856 | | | 628 | | 21,3 | 26,7 | 22 | 22,5 | |
| | 4.1.50.6 | 12,4 | 9,0 | 7118 | 59,1 | 44 | 10 | 116 | 1456 | 730 | 720 | 600 | 1056 | | | 728 | | 21,3 | 26,7 | 22 | 25 | |
| | 6.1.50.6 | 15,6 | 11,1 | 6714 | 59,1 | 66 | 14 | 139 | 1456 | 830 | 720 | 700 | 1056 | | | 728 | | 21,3 | 26,7 | 22 | 25 | |
| | 8.1.50.6 | 17,6 | 12,6 | 6366 | 59,1 | 88 | 19 | 163 | 1456 | 930 | 720 | 800 | 1056 | | | 728 | | 21,3 | 33,7 | 22 | 25 | |
| | 4.1.56.6 | 17,9 | 12,6 | 10108 | 62,8 | 65 | 14 | 154 | 1556 | 830 | 920 | 700 | 1156 | | | 778 | | 21,3 | 33,7 | 22 | 27,5 | |
| | 6.1.56.6 | 22,5 | 16,3 | 9653 | 62,8 | 97 | 20 | 186 | 1556 | 930 | 920 | 800 | 1156 | | | 778 | | 21,3 | 33,7 | 22 | 27,5 | |
| | 8.1.56.6 | 25,6 | 18,3 | 9268 | 62,8 | 130 | 27 | 217 | 1556 | 1030 | 920 | 900 | 1156 | | | 778 | | 21,3 | 33,7 | 22 | 27,5 | |
| | 4.1.63.6 | 23,1 | 16,7 | 12567 | 66,6 | 88 | 18 | 201 | 1656 | 845 | 1120 | 700 | 1256 | | | 828 | | 21,3 | 33,7 | 22 | 27,5 | |
| 6.1.63.6 | 29,1 | 21,1 | 12139 | 66,6 | 132 | 27 | 241 | 1656 | 945 | 1120 | 800 | 1256 | | | 828 | | 21,3 | 42,2 | 22 | 27,5 | | |
| 8.1.63.6 | 33,2 | 23,4 | 11727 | 66,6 | 177 | 36 | 281 | 1656 | 1045 | 1120 | 900 | 1256 | | | 828 | | 21,3 | 42,2 | 22 | 27,5 | | |
|  | 4.2.40.6 | 12,7 | 9,3 | 6638 | 57,0 | 51 | 11 | 120 | 1856 | 640 | 620 | 500 | 1456 | | | 928 | | 21,3 | 26,7 | 22 | 20 | |
| | 6.2.40.6 | 15,6 | 11,2 | 6200 | 57,0 | 77 | 16 | 145 | 1856 | 740 | 620 | 600 | 1456 | | | 928 | | 21,3 | 26,7 | 22 | 20 | |
| | 8.2.40.6 | 17,2 | 12,2 | 5814 | 57,0 | 103 | 21 | 172 | 1856 | 840 | 620 | 700 | 1456 | | | 928 | | 21,3 | 33,7 | 22 | 20 | |
| | 4.2.45.6 | 18,3 | 13,4 | 10044 | 58,9 | 71 | 15 | 145 | 2056 | 610 | 720 | 500 | 1656 | | | 1028 | | 21,3 | 33,7 | 22 | 22,5 | |
| | 6.2.45.6 | 22,6 | 16,4 | 9321 | 58,9 | 106 | 22 | 179 | 2056 | 710 | 720 | 600 | 1656 | | | 1028 | | 21,3 | 33,7 | 22 | 22,5 | |
| | 8.2.45.6 | 25,2 | 17,8 | 8712 | 58,9 | 141 | 29 | 213 | 2056 | 810 | 720 | 700 | 1656 | | | 1028 | | 21,3 | 33,7 | 22 | 22,5 | |
| | 4.2.50.6 | 24,8 | 18,0 | 14226 | 61,7 | 88 | 18 | 197 | 2456 | 730 | 720 | 600 | 2056 | | | 1228 | | 21,3 | 33,7 | 22 | 25 | |
| | 6.2.50.6 | 31,2 | 22,2 | 13416 | 61,7 | 132 | 27 | 237 | 2456 | 830 | 720 | 700 | 2056 | | | 1228 | | 21,3 | 42,2 | 22 | 25 | |
| | 8.2.50.6 | 35,1 | 25,2 | 12717 | 61,7 | 176 | 36 | 278 | 2456 | 930 | 720 | 800 | 2056 | | | 1228 | | 21,3 | 42,2 | 22 | 25 | |
| | 4.2.56.6 | 35,6 | 25,1 | 20205 | 65,4 | 129 | 27 | 263 | 2656 | 830 | 920 | 700 | 2256 | | | 1328 | | 21,3 | 42,2 | 22 | 27,5 | |
| | 6.2.56.6 | 44,9 | 32,5 | 19293 | 65,4 | 194 | 40 | 319 | 2656 | 930 | 920 | 800 | 2256 | | | 1328 | | 26,7 | 42,2 | 22 | 27,5 | |
| | 8.2.56.6 | 51,2 | 36,5 | 18520 | 65,4 | 258 | 53 | 376 | 2656 | 1030 | 920 | 900 | 2256 | | | 1328 | | 26,7 | 42,2 | 22 | 27,5 | |
| | 4.2.63.6 | 46,1 | 33,3 | 25124 | 69,2 | 176 | 36 | 349 | 2856 | 845 | 1120 | 700 | 2456 | | | 1428 | | 26,7 | 42,2 | 22 | 27,5 | |
| 6.2.63.6 | 58,0 | 42,2 | 24263 | 69,2 | 264 | 54 | 422 | 2856 | 945 | 1120 | 800 | 2456 | | | 1428 | | 26,7 | 48,3 | 22 | 27,5 | | |
| 8.2.63.6 | 66,3 | 46,8 | 23439 | 69,2 | 352 | 72 | 496 | 2856 | 1045 | 1120 | 900 | 2456 | | | 1428 | | 26,7 | 48,3 | 33,7 | 27,5 | | |
|  | 4.3.45.6 | 27,7 | 20,2 | 15061 | 60,4 | 106 | 22 | 203 | 2856 | 610 | 720 | 500 | 2456 | | | 1428 | | 21,3 | 33,7 | 22 | 22,5 | |
| | 6.3.45.6 | 34,2 | 24,6 | 13975 | 60,4 | 159 | 33 | 252 | 2856 | 710 | 720 | 600 | 2456 | | | 1428 | | 21,3 | 42,2 | 22 | 22,5 | |
| | 8.3.45.6 | 37,7 | 26,9 | 13060 | 60,4 | 211 | 44 | 300 | 2856 | 810 | 720 | 700 | 2456 | | | 1428 | | 21,3 | 42,2 | 22 | 22,5 | |
| | 4.3.50.6 | 37,0 | 27,0 | 21335 | 63,1 | 132 | 27 | 277 | 3456 | 730 | 720 | 600 | 1028 | 2228 | | 864 | 1728 | 21,3 | 42,2 | 22 | 25 | |
| | 6.3.50.6 | 46,4 | 33,7 | 20116 | 63,1 | 198 | 41 | 338 | 3456 | 830 | 720 | 700 | 1028 | 2228 | | 864 | 1728 | 26,7 | 42,2 | 22 | 25 | |
| | 8.3.50.6 | 52,6 | 37,4 | 19069 | 63,1 | 264 | 54 | 397 | 3456 | 930 | 720 | 800 | 1028 | 2228 | | 864 | 1728 | 26,7 | 42,2 | 22 | 25 | |
| | 4.3.56.6 | 53,4 | 39,0 | 30301 | 66,8 | 194 | 40 | 370 | 3756 | 830 | 920 | 700 | 1128 | 2228 | | 939 | 1878 | 26,7 | 42,2 | 22 | 27,5 | |
| | 6.3.56.6 | 67,6 | 48,7 | 28932 | 66,8 | 290 | 60 | 452 | 3756 | 930 | 920 | 800 | 1128 | 2228 | | 939 | 1878 | 26,7 | 48,3 | 22 | 27,5 | |
| | 8.3.56.6 | 76,7 | 54,6 | 27774 | 66,8 | 387 | 79 | 535 | 3756 | 1030 | 920 | 900 | 1128 | 2228 | | 939 | 1878 | 33,7 | 60,3 | 33,7 | 27,5 | |
| | 4.3.63.6 | 69,0 | 50,4 | 37682 | 70,6 | 264 | 54 | 497 | 4056 | 845 | 1120 | 700 | 1228 | 2428 | | 1014 | 2028 | 33,7 | 60,3 | 33,7 | 27,5 | |
| | 6.3.63.6 | 87,0 | 63,3 | 36390 | 70,6 | 396 | 81 | 604 | 4056 | 945 | 1120 | 800 | 1228 | 2428 | | 1014 | 2028 | 33,7 | 60,3 | 33,7 | 27,5 | |
| 8.3.63.6 | 99,4 | 71,0 | 35150 | 70,6 | 528 | 108 | 712 | 4056 | 1045 | 1120 | 900 | 1228 | 2428 | | 1014 | 2028 | 33,7 | 60,3 | 33,7 | 27,5 | | |

Pay attention to the relation capacity / air volume !!





* = Sound pressure indication (LpA) at 3 m distance each air cooler (+/- 2 dB(A)), free field conditions, according EN13487

** = Air throw see remark page 5

For moisture carry over see remark pag 5

Capacities and air volumes with 60 Hz fans on request or in our GPC selection program available.

Goedhart VRB/VRZ 6mm

| Type VRB VRZ | 3x400V-50H-4polig (1500 min ⁻¹ nom.) | | | | Air volume m ³ /h | LpA @ 3 m (+/- 2 dB(A))* | Surface m ² | Internal volume dm ³ | Weight kg | Dimensions | | | | | | | | Connections | | | | | | | |
|--|--|--|---------------------------------|-----------------------------|---------------------------------|-----------------------------|---------------------------|------------------------------------|--------------|---------------------------|------------------------------------|--------------|---------|---------|---------|---------|---------------|-------------|----------|----------|----------|---------------|----------------|---------------|------------------|
| | NH3 | | Air volume m ³ /h | LpA @ 3 m (+/- 2 dB(A))* | | | | | | Surface m ² | Internal volume dm ³ | Weight kg | L mm | B mm | H mm | C mm | E E1 mm | E2 mm | E3 mm | D1 mm | D2 mm | Refrigerant | | | |
| | DT1 = 8K (SC2) air on= 0°C (-8/0) | DT1 = 7K (SC3) air on= -18°C (-25/-18) | | | | | | | | | | | | | | | | | | | | I In mm | K Out mm | Hot gas mm | Air throw** m |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
|  4x | 4.4.45.6 | 36,5 | 26,8 | 20077 | 61,3 | 141 | 29 | 260 | 3656 | 610 | 720 | 500 | 1628 | 1628 | | 914 | 1828 | 21,3 | 42,2 | 22 | 22,5 | | | | |
| | 6.4.45.6 | 45,1 | 32,8 | 18629 | 61,3 | 211 | 44 | 323 | 3656 | 710 | 720 | 600 | 1628 | 1628 | | 914 | 1828 | 26,7 | 42,2 | 22 | 22,5 | | | | |
| | 8.4.45.6 | 50,3 | 35,6 | 17407 | 61,3 | 282 | 58 | 386 | 3656 | 810 | 720 | 700 | 1628 | 1628 | | 914 | 1828 | 26,7 | 42,2 | 22 | 22,5 | | | | |
| | 4.4.50.6 | 49,6 | 35,9 | 28443 | 64,0 | 176 | 36 | 357 | 4456 | 730 | 720 | 600 | 2028 | 2028 | | 1114 | 2228 | 26,7 | 42,2 | 22 | 25 | | | | |
| | 6.4.50.6 | 61,9 | 44,8 | 26817 | 64,0 | 264 | 54 | 433 | 4456 | 830 | 720 | 700 | 2028 | 2028 | | 1114 | 2228 | 26,7 | 48,3 | 22 | 25 | | | | |
| | 8.4.50.6 | 70,1 | 50,3 | 25420 | 64,0 | 352 | 72 | 511 | 4456 | 930 | 720 | 800 | 2028 | 2028 | | 1114 | 2228 | 33,7 | 60,3 | 33,7 | 25 | | | | |
| | 4.4.56.6 | 71,2 | 50,2 | 40398 | 67,7 | 258 | 53 | 479 | 4856 | 830 | 920 | 700 | 2228 | 2228 | | 1214 | 2428 | 33,7 | 60,3 | 22 | 27,5 | | | | |
| | 6.4.56.6 | 89,7 | 65,0 | 38573 | 67,7 | 387 | 79 | 585 | 4856 | 930 | 920 | 800 | 2228 | 2228 | | 1214 | 2428 | 33,7 | 60,3 | 33,7 | 27,5 | | | | |
| | 8.4.56.6 | 102,4 | 73,0 | 37025 | 67,7 | 516 | 106 | 693 | 4856 | 1030 | 920 | 900 | 2228 | 2228 | | 1214 | 2428 | 33,7 | 60,3 | 33,7 | 27,5 | | | | |
| | 4.4.63.6 | 92,2 | 66,6 | 50239 | 71,5 | 352 | 72 | 645 | 5256 | 845 | 1120 | 700 | 2428 | 2428 | | 1314 | 2628 | 33,7 | 60,3 | 33,7 | 27,5 | | | | |
| 6.4.63.6 | 115,8 | 84,3 | 48515 | 71,5 | 528 | 108 | 795 | 5256 | 945 | 1120 | 800 | 2428 | 2428 | | 1314 | 2628 | 33,7 | 60,3 | 33,7 | 27,5 | | | | | |
| 8.4.63.6 | 132,4 | 93,6 | 46861 | 71,5 | 704 | 144 | 927 | 5256 | 1045 | 1120 | 900 | 2428 | 2428 | | 1314 | 2628 | 42,2 | 76,1 | 33,7 | 27,5 | | | | | |
|  5x | 4.5.45.6 | 46,1 | 33,3 | 25093 | 62,1 | 176 | 36 | 318 | 4456 | 610 | 720 | 500 | 1628 | 2428 | | 1114 | 2228 | 26,7 | 42,2 | 22 | 22,5 | | | | |
| | 6.5.45.6 | 56,5 | 41,0 | 23282 | 62,1 | 264 | 54 | 394 | 4456 | 710 | 720 | 600 | 1628 | 2428 | | 1114 | 2228 | 26,7 | 48,3 | 33,7 | 22,5 | | | | |
| | 8.5.45.6 | 62,8 | 45,0 | 21755 | 62,1 | 352 | 72 | 473 | 4456 | 810 | 720 | 700 | 1628 | 2428 | | 1114 | 2228 | 26,7 | 48,3 | 33,7 | 22,5 | | | | |
| | 4.5.50.6 | 62,0 | 44,8 | 35551 | 64,7 | 220 | 45 | 437 | 5456 | 730 | 720 | 600 | 2028 | 3028 | | 1364 | 2728 | 26,7 | 48,3 | 33,7 | 25 | | | | |
| | 6.5.50.6 | 77,9 | 56,2 | 33519 | 64,7 | 330 | 68 | 532 | 5456 | 830 | 720 | 700 | 2028 | 3028 | | 1364 | 2728 | 33,7 | 60,3 | 33,7 | 25 | | | | |
| | 8.5.50.6 | 87,6 | 62,9 | 31771 | 64,7 | 440 | 90 | 629 | 5456 | 930 | 720 | 800 | 2028 | 3028 | | 1364 | 2728 | 33,7 | 60,3 | 33,7 | 25 | | | | |
| | 4.5.63.6 | 114,8 | 83,8 | 62797 | 72,1 | 440 | 90 | 794 | 6456 | 845 | 1120 | 700 | 2428 | 2428 | 1200 | 1076 | 2x2152 | 33,7 | 60,3 | 33,7 | 27,5 | | | | |
| | 6.5.63.6 | 145,0 | 105,4 | 60642 | 72,1 | 660 | 135 | 965 | 6456 | 945 | 1120 | 800 | 2428 | 2428 | 1200 | 1076 | 2x2152 | 42,2 | 76,1 | 33,7 | 27,5 | | | | |
| | 8.5.63.6 | 165,2 | 118,6 | 58573 | 72,1 | 879 | 180 | 1153 | 6456 | 1045 | 1120 | 900 | 2428 | 2428 | 1200 | 1076 | 2x2152 | 42,2 | 76,1 | 42 | 27,5 | | | | |
| | 4.6.45.6 | 55,3 | 40,3 | 30109 | 62,6 | 211 | 44 | 374 | 5256 | 610 | 720 | 500 | 2428 | 2428 | | 1314 | 2628 | 26,7 | 42,2 | 22 | 22,5 | | | | |
| 6.6.45.6 | 67,7 | 49,2 | 27936 | 62,6 | 317 | 65 | 467 | 5256 | 710 | 720 | 600 | 2428 | 2428 | | 1314 | 2628 | 26,7 | 48,3 | 33,7 | 22,5 | | | | | |
| 8.6.45.6 | 75,4 | 53,7 | 26103 | 62,6 | 422 | 87 | 560 | 5256 | 810 | 720 | 700 | 2428 | 2428 | | 1314 | 2628 | 33,7 | 60,3 | 33,7 | 22,5 | | | | | |
| 4.6.50.6 | 73,9 | 53,9 | 42659 | 65,2 | 264 | 54 | 517 | 6456 | 730 | 720 | 600 | 2028 | 2028 | 2000 | 1076 | 2x2152 | 33,7 | 60,3 | 22 | 25 | | | | | |
| 6.6.50.6 | 93,4 | 66,5 | 40219 | 65,2 | 396 | 81 | 631 | 6456 | 830 | 720 | 700 | 2028 | 2028 | 2000 | 1076 | 2x2152 | 33,7 | 60,3 | 33,7 | 25 | | | | | |
| 8.6.50.6 | 105,2 | 74,8 | 38122 | 65,2 | 528 | 108 | 744 | 6456 | 930 | 720 | 800 | 2028 | 2028 | 2000 | 1076 | 2x2152 | 33,7 | 60,3 | 33,7 | 25 | | | | | |
| 4.6.63.6 | 138,0 | 100,7 | 75355 | 72,6 | 528 | 108 | 941 | 7656 | 845 | 1120 | 700 | 2428 | 2428 | 2400 | 1276 | 2x2552 | 42,2 | 76,1 | 33,7 | 27,5 | | | | | |
| 6.6.63.6 | 174,0 | 126,5 | 72768 | 72,6 | 791 | 162 | 1148 | 7656 | 945 | 1120 | 800 | 2428 | 2428 | 2400 | 1276 | 2x2552 | 42,2 | 76,1 | 33,7 | 27,5 | | | | | |
| 8.6.63.6 | 198,5 | 142,0 | 70285 | 72,6 | 1055 | 216 | 1368 | 7656 | 1045 | 1120 | 900 | 2428 | 2428 | 2400 | 1276 | 2x2552 | 48,3 | 76,1 | 42 | 27,5 | | | | | |
|  7x | 4.7.45.6 | 64,5 | 46,2 | 35125 | 63,0 | 246 | 51 | 432 | 6056 | 610 | 720 | 500 | 2428 | 2428 | 800 | 1514 | 3028 | 26,7 | 48,3 | 22 | 22,5 | | | | |
| | 6.7.45.6 | 79,8 | 57,2 | 32589 | 63,0 | 369 | 76 | 539 | 6056 | 710 | 720 | 600 | 2428 | 2428 | 800 | 1514 | 3028 | 33,7 | 60,3 | 33,7 | 22,5 | | | | |
| | 8.7.45.6 | 87,9 | 63,0 | 30451 | 63,0 | 493 | 101 | 645 | 6056 | 810 | 720 | 700 | 2428 | 2428 | 800 | 1514 | 3028 | 33,7 | 60,3 | 33,7 | 22,5 | | | | |
| | 4.7.63.6 | 161,4 | 117,6 | 87914 | 73,2 | 615 | 126 | 1056 | 7456 | 845 | 1320 | 700 | 2028 | 2028 | 3000 | 1243 | 2x2485 | 42,2 | 76,1 | 33,7 | 27,5 | | | | |
| | 6.7.63.6 | 204,9 | 147,4 | 84896 | 73,2 | 923 | 189 | 1291 | 7456 | 945 | 1320 | 800 | 2028 | 2028 | 3000 | 1243 | 2x2485 | 48,3 | 76,1 | 33,7 | 27,5 | | | | |
| | 8.7.63.6 | 231,6 | 165,3 | 81999 | 73,2 | 1231 | 251 | 1541 | 7456 | 1045 | 1320 | 900 | 2028 | 2028 | 3000 | 1243 | 2x2485 | 48,3 | 76,1 | 42 | 27,5 | | | | |
|  8x | 4.8.45.6 | 73,1 | 53,6 | 40141 | 63,4 | 281 | 58 | 489 | 6856 | 610 | 720 | 500 | 2428 | 2428 | 1600 | 1143 | 2x2285 | 33,7 | 60,3 | 22 | 22,5 | | | | |
| | 6.8.45.6 | 91,2 | 64,9 | 37243 | 63,4 | 422 | 87 | 610 | 6856 | 710 | 720 | 600 | 2428 | 2428 | 1600 | 1143 | 2x2285 | 33,7 | 60,3 | 33,7 | 22,5 | | | | |
| | 8.8.45.6 | 100,5 | 71,2 | 34798 | 63,4 | 563 | 115 | 732 | 6856 | 810 | 720 | 700 | 2428 | 2428 | 1600 | 1143 | 2x2285 | 33,7 | 60,3 | 33,7 | 22,5 | | | | |

Pay attention to the relation capacity / air volume !!




* = Sound pressure indication (LpA) at 3 m distance each air cooler (+/- 2 dB(A)), free field conditions, according EN13487

** = Air throw see remark page 5

For moisture carry over see remark pag 5

Capacities and air volumes with 60 Hz fans on request or in our GPC selection program available.

Goedhart VRB/VRZ 7mm

| | Type VRB VRZ | 3x400V-50H-4polig (1500 min ⁻¹ nom.) | | | | Air volume m ³ /h | LpA @ 3 m (+/- 2 dB(A))* | Surface m ² | Internal volume dm ³ | Weight kg | Dimensions | | | | | | | | Connections | | | | |
|---|--------------------|--|--|---------|----------|---------------------------------|-----------------------------|---------------------------|------------------------------------|--------------|------------|-------------|------|------|------|------|---------|------|-------------|------|------|-------------|-------------|
| | | NH3 | | I In | K Out | | | | | | Hot gas | Air throw** | L | B | H | C | E E1 | E2 | E3 | D1 | D2 | Refrigerant | |
| | | DT1 = 8K (SC2) air on= 0°C (-8/0) | DT1 = 7K (SC3) air on= -18°C (-25/-18) | | | | | | | | | | | | | | | | | | | Refrigerant | Refrigerant |
| | | kW | kW | | | | | | | | | | | | | | | | | | | mm | mm |
|  | 3.1.40.7 | 4,7 | 3,3 | 3505 | 54,3 | 17 | 4 | 66 | 1156 | 590 | 620 | 450 | 756 | | | 578 | | 21,3 | 21,3 | 22 | 20 | | |
| | 4.1.40.7 | 5,8 | 4,2 | 3415 | 54,3 | 22 | 6 | 74 | 1156 | 640 | 620 | 500 | 756 | | | 578 | | 21,3 | 21,3 | 22 | 20 | | |
| | 6.1.40.7 | 7,4 | 5,2 | 3234 | 54,3 | 34 | 8 | 87 | 1156 | 740 | 620 | 600 | 756 | | | 578 | | 21,3 | 21,3 | 22 | 20 | | |
| | 8.1.40.7 | 8,3 | 5,9 | 3065 | 54,3 | 45 | 11 | 103 | 1156 | 840 | 620 | 700 | 756 | | | 578 | | 21,3 | 21,3 | 22 | 20 | | |
| | 3.1.45.7 | 6,9 | 5,1 | 5349 | 56,2 | 23 | 6 | 78 | 1256 | 560 | 720 | 450 | 856 | | | 628 | | 21,3 | 21,3 | 22 | 22,5 | | |
| | 4.1.45.7 | 8,5 | 6,0 | 5186 | 56,2 | 31 | 8 | 87 | 1256 | 610 | 720 | 500 | 856 | | | 628 | | 21,3 | 21,3 | 22 | 22,5 | | |
| | 6.1.45.7 | 10,7 | 7,8 | 4878 | 56,2 | 46 | 11 | 105 | 1256 | 710 | 720 | 600 | 856 | | | 628 | | 21,3 | 26,7 | 22 | 22,5 | | |
| | 8.1.45.7 | 12,2 | 8,7 | 4604 | 56,2 | 61 | 15 | 124 | 1256 | 810 | 720 | 700 | 856 | | | 628 | | 21,3 | 26,7 | 22 | 22,5 | | |
| | 3.1.50.7 | 9,2 | 6,5 | 7489 | 59,1 | 29 | 7 | 103 | 1456 | 680 | 720 | 550 | 1056 | | | 728 | | 21,3 | 21,3 | 22 | 25 | | |
| | 4.1.50.7 | 11,3 | 8,2 | 7299 | 59,1 | 38 | 10 | 113 | 1456 | 730 | 720 | 600 | 1056 | | | 728 | | 21,3 | 26,7 | 22 | 25 | | |
| | 6.1.50.7 | 14,6 | 10,4 | 6951 | 59,1 | 57 | 14 | 136 | 1456 | 830 | 720 | 700 | 1056 | | | 728 | | 21,3 | 26,7 | 22 | 25 | | |
| | 8.1.50.7 | 16,8 | 12,1 | 6642 | 59,1 | 76 | 19 | 158 | 1456 | 930 | 720 | 800 | 1056 | | | 728 | | 21,3 | 33,7 | 22 | 25 | | |
| | 3.1.56.7 | 13,1 | 9,6 | 10540 | 62,8 | 42 | 10 | 137 | 1556 | 780 | 920 | 650 | 1156 | | | 778 | | 21,3 | 26,7 | 22 | 27,5 | | |
| | 4.1.56.7 | 16,3 | 11,6 | 10315 | 62,8 | 56 | 14 | 150 | 1556 | 830 | 920 | 700 | 1156 | | | 778 | | 21,3 | 26,7 | 22 | 27,5 | | |
| | 6.1.56.7 | 20,9 | 15,1 | 9917 | 62,8 | 84 | 20 | 181 | 1556 | 930 | 920 | 800 | 1156 | | | 778 | | 21,3 | 33,7 | 22 | 27,5 | | |
| | 8.1.56.7 | 24,3 | 17,5 | 9573 | 62,8 | 112 | 27 | 209 | 1556 | 1030 | 920 | 900 | 1156 | | | 778 | | 21,3 | 33,7 | 22 | 27,5 | | |
| | 3.1.63.7 | 17,0 | 12,3 | 12910 | 66,6 | 57 | 14 | 179 | 1656 | 795 | 1120 | 650 | 1256 | | | 828 | | 21,3 | 33,7 | 22 | 27,5 | | |
| | 4.1.63.7 | 20,9 | 15,0 | 12740 | 66,6 | 76 | 18 | 197 | 1656 | 845 | 1120 | 700 | 1256 | | | 828 | | 21,3 | 33,7 | 22 | 27,5 | | |
| 6.1.63.7 | 27,0 | 19,6 | 12395 | 66,6 | 115 | 27 | 234 | 1656 | 945 | 1120 | 800 | 1256 | | | 828 | | 21,3 | 33,7 | 22 | 27,5 | | | |
| 8.1.63.7 | 31,4 | 22,4 | 12056 | 66,6 | 153 | 36 | 272 | 1656 | 1045 | 1120 | 900 | 1256 | | | 828 | | 21,3 | 42,2 | 22 | 27,5 | | | |
|  | 3.2.40.7 | 9,5 | 6,6 | 7005 | 57,0 | 33 | 8 | 104 | 1856 | 590 | 620 | 450 | 1456 | | | 928 | | 21,3 | 21,3 | 22 | 20 | | |
| | 4.2.40.7 | 11,6 | 8,4 | 6824 | 57,0 | 45 | 11 | 117 | 1856 | 640 | 620 | 500 | 1456 | | | 928 | | 21,3 | 26,7 | 22 | 20 | | |
| | 6.2.40.7 | 14,8 | 10,5 | 6459 | 57,0 | 67 | 16 | 141 | 1856 | 740 | 620 | 600 | 1456 | | | 928 | | 21,3 | 26,7 | 22 | 20 | | |
| | 8.2.40.7 | 16,6 | 11,7 | 6119 | 57,0 | 89 | 21 | 167 | 1856 | 840 | 620 | 700 | 1456 | | | 928 | | 21,3 | 33,7 | 22 | 20 | | |
| | 3.2.45.7 | 13,8 | 10,1 | 10690 | 58,9 | 46 | 11 | 126 | 2056 | 560 | 720 | 450 | 1656 | | | 1028 | | 21,3 | 26,7 | 22 | 22,5 | | |
| | 4.2.45.7 | 16,9 | 12,2 | 10363 | 58,9 | 61 | 15 | 141 | 2056 | 610 | 720 | 500 | 1656 | | | 1028 | | 21,3 | 33,7 | 22 | 22,5 | | |
| | 6.2.45.7 | 21,3 | 15,5 | 9744 | 58,9 | 92 | 22 | 173 | 2056 | 710 | 720 | 600 | 1656 | | | 1028 | | 21,3 | 33,7 | 22 | 22,5 | | |
| | 8.2.45.7 | 24,3 | 17,3 | 9194 | 58,9 | 122 | 29 | 204 | 2056 | 810 | 720 | 700 | 1656 | | | 1028 | | 21,3 | 33,7 | 22 | 22,5 | | |
| | 3.2.50.7 | 18,3 | 13,3 | 14970 | 61,7 | 57 | 14 | 172 | 2456 | 680 | 720 | 550 | 2056 | | | 1228 | | 21,3 | 33,7 | 22 | 25 | | |
| | 4.2.50.7 | 22,6 | 16,4 | 14589 | 61,7 | 76 | 18 | 192 | 2456 | 730 | 720 | 600 | 2056 | | | 1228 | | 21,3 | 33,7 | 22 | 25 | | |
| | 6.2.50.7 | 29,1 | 20,8 | 13890 | 61,7 | 114 | 27 | 230 | 2456 | 830 | 720 | 700 | 2056 | | | 1228 | | 21,3 | 42,2 | 22 | 25 | | |
| | 8.2.50.7 | 33,5 | 24,1 | 13270 | 61,7 | 152 | 36 | 268 | 2456 | 930 | 720 | 800 | 2056 | | | 1228 | | 21,3 | 42,2 | 22 | 25 | | |
| | 3.2.56.7 | 26,3 | 19,2 | 21073 | 65,4 | 84 | 20 | 230 | 2656 | 780 | 920 | 650 | 2256 | | | 1328 | | 21,3 | 33,7 | 22 | 27,5 | | |
| | 4.2.56.7 | 32,5 | 23,2 | 20622 | 65,4 | 112 | 27 | 256 | 2656 | 830 | 920 | 700 | 2256 | | | 1328 | | 21,3 | 42,2 | 22 | 27,5 | | |
| | 6.2.56.7 | 41,8 | 30,1 | 19823 | 65,4 | 168 | 40 | 309 | 2656 | 930 | 920 | 800 | 2256 | | | 1328 | | 21,3 | 42,2 | 22 | 27,5 | | |
| | 8.2.56.7 | 48,6 | 34,9 | 19133 | 65,4 | 224 | 53 | 362 | 2656 | 1030 | 920 | 900 | 2256 | | | 1328 | | 26,7 | 42,2 | 22 | 27,5 | | |
| | 3.2.63.7 | 33,9 | 24,8 | 25818 | 69,2 | 114 | 27 | 305 | 2856 | 795 | 1120 | 650 | 2456 | | | 1428 | | 21,3 | 42,2 | 22 | 27,5 | | |
| | 4.2.63.7 | 41,8 | 29,9 | 25473 | 69,2 | 152 | 36 | 340 | 2856 | 845 | 1120 | 700 | 2456 | | | 1428 | | 26,7 | 42,2 | 22 | 27,5 | | |
| 6.2.63.7 | 53,9 | 39,1 | 24779 | 69,2 | 229 | 54 | 408 | 2856 | 945 | 1120 | 800 | 2456 | | | 1428 | | 26,7 | 42,2 | 22 | 27,5 | | | |
| 8.2.63.7 | 62,7 | 44,7 | 24099 | 69,2 | 305 | 72 | 477 | 2856 | 1045 | 1120 | 900 | 2456 | | | 1428 | | 26,7 | 48,3 | 33,7 | 27,5 | | | |
|  | 3.3.45.7 | 20,6 | 15,2 | 16031 | 60,4 | 69 | 17 | 175 | 2856 | 560 | 720 | 450 | 2456 | | | 1428 | | 21,3 | 33,7 | 22 | 22,5 | | |
| | 4.3.45.7 | 25,3 | 18,5 | 15540 | 60,4 | 91 | 22 | 198 | 2856 | 610 | 720 | 500 | 2456 | | | 1428 | | 21,3 | 33,7 | 22 | 22,5 | | |
| | 6.3.45.7 | 32,1 | 23,2 | 14609 | 60,4 | 137 | 33 | 243 | 2856 | 710 | 720 | 600 | 2456 | | | 1428 | | 21,3 | 42,2 | 22 | 22,5 | | |
| | 8.3.45.7 | 36,4 | 26,0 | 13783 | 60,4 | 183 | 44 | 288 | 2856 | 810 | 720 | 700 | 2456 | | | 1428 | | 21,3 | 42,2 | 22 | 22,5 | | |
| | 3.3.50.7 | 27,4 | 20,1 | 22451 | 63,1 | 86 | 21 | 242 | 3456 | 680 | 720 | 550 | 1028 | 2028 | 864 | 1728 | 21,3 | 33,7 | 22 | 25 | | | |
| | 4.3.50.7 | 33,9 | 24,4 | 21879 | 63,1 | 114 | 27 | 270 | 3456 | 730 | 720 | 600 | 1028 | 2028 | 864 | 1728 | 21,3 | 42,2 | 22 | 25 | | | |
| | 6.3.50.7 | 43,4 | 31,4 | 20829 | 63,1 | 171 | 41 | 327 | 3456 | 830 | 720 | 700 | 1028 | 2028 | 864 | 1728 | 26,7 | 42,2 | 22 | 25 | | | |
| | 8.3.50.7 | 50,2 | 36,0 | 19899 | 63,1 | 228 | 54 | 383 | 3456 | 930 | 720 | 800 | 1028 | 2028 | 864 | 1728 | 26,7 | 42,2 | 22 | 25 | | | |
| | 3.3.56.7 | 39,0 | 28,8 | 31607 | 66,8 | 126 | 30 | 322 | 3756 | 780 | 920 | 650 | 1128 | 2228 | 939 | 1878 | 21,3 | 42,2 | 22 | 27,5 | | | |
| | 4.3.56.7 | 48,5 | 35,4 | 30928 | 66,8 | 168 | 40 | 360 | 3756 | 830 | 920 | 700 | 1128 | 2228 | 939 | 1878 | 26,7 | 42,2 | 22 | 27,5 | | | |
| | 6.3.56.7 | 62,5 | 45,2 | 29728 | 66,8 | 251 | 60 | 436 | 3756 | 930 | 920 | 800 | 1128 | 2228 | 939 | 1878 | 26,7 | 48,3 | 22 | 27,5 | | | |
| | 8.3.56.7 | 72,7 | 51,6 | 28692 | 66,8 | 335 | 79 | 514 | 3756 | 1030 | 920 | 900 | 1128 | 2228 | 939 | 1878 | 33,7 | 60,3 | 33,7 | 27,5 | | | |
| | 3.3.63.7 | 50,8 | 36,2 | 38723 | 70,6 | 171 | 41 | 442 | 4056 | 795 | 1120 | 650 | 1228 | 2428 | 1014 | 2028 | 26,7 | 42,2 | 22 | 27,5 | | | |
| | 4.3.63.7 | 62,8 | 45,7 | 38206 | 70,6 | 228 | 54 | 493 | 4056 | 845 | 1120 | 700 | 1228 | 2428 | 1014 | 2028 | 26,7 | 48,3 | 22 | 27,5 | | | |
| | 6.3.63.7 | 80,7 | 58,6 | 37165 | 70,6 | 343 | 81 | 592 | 4056 | 945 | 1120 | 800 | 1228 | 2428 | 1014 | 2028 | 33,7 | 60,3 | 33,7 | 27,5 | | | |
| | 8.3.63.7 | 94,0 | 67,5 | 36142 | 70,6 | 457 | 108 | 694 | 4056 | 1045 | 1120 | 900 | 1228 | 2428 | 1014 | 2028 | 33,7 | 60,3 | 33,7 | 27,5 | | | |

Pay attention to the relation capacity / air volume !!






* = Sound pressure indication (LpA) at 3 m distance each air cooler (+/- 2 dB(A)), free field conditions, according EN13487

** = Air throw see remark page 5

For moisture carry over see remark pag 5

Capacities and air volumes with 60 Hz fans on request or in our GPC selection program available.

Goedhart VRB/VRZ 7mm

| Type VRB VRZ | 3x400V-50H-4polig (1500 min ⁻¹ nom.) | | | | Air volume m ³ /h | LpA @ 3 m (+/- 2 dB(A))* | Surface m ² | Internal volume dm ³ | Weight kg | Dimensions | | | | | | | | Connections | | | | | | | |
|---|--|-------|---------------------------------|-----------------------------|---------------------------------|-----------------------------|---------------------------|------------------------------------|--------------|---------------------------|------------------------------------|--------------|---------|---------|---------|---------|---------------|-------------|----------|----------|----------|---------------|----------------|---------------|------------------|
| | NH3 | | Air volume m ³ /h | LpA @ 3 m (+/- 2 dB(A))* | | | | | | Surface m ² | Internal volume dm ³ | Weight kg | L mm | B mm | H mm | C mm | E E1 mm | E2 mm | E3 mm | D1 mm | D2 mm | Refrigerant | | | |
| | kW | kW | | | | | | | | | | | | | | | | | | | | I In mm | K Out mm | Hot gas mm | Air throw** m |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | 4.4.45.7 | 27,5 | 20,2 | 21372 | 61,3 | 91 | 22 | 224 | 3656 | 560 | 720 | 450 | 1628 | 1628 | | 914 | 1828 | 21,3 | 33,7 | 22 | 22,5 | | | | |
| | 4.4.45.7 | 33,7 | 24,4 | 20717 | 61,3 | 122 | 29 | 251 | 3656 | 610 | 720 | 500 | 1628 | 1628 | | 914 | 1828 | 21,3 | 42,2 | 22 | 22,5 | | | | |
| | 6.4.45.7 | 42,6 | 30,9 | 19475 | 61,3 | 183 | 44 | 311 | 3656 | 710 | 720 | 600 | 1628 | 1628 | | 914 | 1828 | 26,7 | 42,2 | 22 | 22,5 | | | | |
| | 8.4.45.7 | 48,5 | 34,7 | 18372 | 61,3 | 244 | 58 | 370 | 3656 | 810 | 720 | 700 | 1628 | 1628 | | 914 | 1828 | 26,7 | 42,2 | 22 | 22,5 | | | | |
| | 4.4.50.7 | 36,6 | 26,6 | 29933 | 64,0 | 114 | 27 | 312 | 4456 | 680 | 720 | 550 | 2028 | 2028 | | 1114 | 2228 | 21,3 | 42,2 | 22 | 25 | | | | |
| | 4.4.50.7 | 45,2 | 32,7 | 29169 | 64,0 | 152 | 36 | 348 | 4456 | 730 | 720 | 600 | 2028 | 2028 | | 1114 | 2228 | 26,7 | 42,2 | 22 | 25 | | | | |
| | 6.4.50.7 | 57,9 | 42,1 | 27768 | 64,0 | 228 | 54 | 419 | 4456 | 830 | 720 | 700 | 2028 | 2028 | | 1114 | 2228 | 26,7 | 48,3 | 22 | 25 | | | | |
| | 8.4.50.7 | 66,9 | 48,2 | 26527 | 64,0 | 304 | 72 | 492 | 4456 | 930 | 720 | 800 | 2028 | 2028 | | 1114 | 2228 | 26,7 | 48,3 | 33,7 | 25 | | | | |
| | 3.4.56.7 | 52,6 | 38,4 | 42140 | 67,7 | 167 | 40 | 415 | 4856 | 780 | 920 | 650 | 2228 | 2228 | | 1214 | 2428 | 26,7 | 42,2 | 22 | 27,5 | | | | |
| | 4.4.56.7 | 65,0 | 46,3 | 41236 | 67,7 | 223 | 53 | 465 | 4856 | 830 | 920 | 700 | 2228 | 2228 | | 1214 | 2428 | 26,7 | 48,3 | 22 | 27,5 | | | | |
| | 6.4.56.7 | 83,4 | 60,2 | 39634 | 67,7 | 335 | 79 | 563 | 4856 | 930 | 920 | 800 | 2228 | 2228 | | 1214 | 2428 | 33,7 | 60,3 | 33,7 | 27,5 | | | | |
| | 8.4.56.7 | 97,1 | 69,7 | 38251 | 67,7 | 447 | 106 | 665 | 4856 | 1030 | 920 | 900 | 2228 | 2228 | | 1214 | 2428 | 33,7 | 60,3 | 33,7 | 27,5 | | | | |
| | 3.4.63.7 | 67,4 | 49,6 | 51628 | 71,5 | 228 | 54 | 571 | 5256 | 795 | 1120 | 650 | 2428 | 2428 | | 1314 | 2628 | 33,7 | 48,3 | 22 | 27,5 | | | | |
| | 4.4.63.7 | 83,5 | 59,8 | 50940 | 71,5 | 304 | 72 | 636 | 5256 | 845 | 1120 | 700 | 2428 | 2428 | | 1314 | 2628 | 33,7 | 60,3 | 33,7 | 27,5 | | | | |
| | 6.4.63.7 | 107,7 | 78,1 | 49550 | 71,5 | 457 | 108 | 767 | 5256 | 945 | 1120 | 800 | 2428 | 2428 | | 1314 | 2628 | 33,7 | 60,3 | 33,7 | 27,5 | | | | |
| | 8.4.63.7 | 125,4 | 89,4 | 48186 | 71,5 | 609 | 144 | 899 | 5256 | 1045 | 1120 | 900 | 2428 | 2428 | | 1314 | 2628 | 42,2 | 60,3 | 33,7 | 27,5 | | | | |
|  | 3.5.45.7 | 34,5 | 24,9 | 26713 | 62,1 | 114 | 27 | 272 | 4456 | 560 | 720 | 450 | 1628 | 2428 | | 1114 | 2228 | 21,3 | 42,2 | 22 | 22,5 | | | | |
| | 4.5.45.7 | 42,2 | 30,6 | 25894 | 62,1 | 152 | 36 | 308 | 4456 | 610 | 720 | 500 | 1628 | 2428 | | 1114 | 2228 | 26,7 | 42,2 | 22 | 22,5 | | | | |
| | 6.5.45.7 | 53,2 | 38,7 | 24340 | 62,1 | 228 | 54 | 380 | 4456 | 710 | 720 | 600 | 1628 | 2428 | | 1114 | 2228 | 26,7 | 42,2 | 22 | 22,5 | | | | |
| | 8.5.45.7 | 60,6 | 43,6 | 22961 | 62,1 | 304 | 72 | 453 | 4456 | 810 | 720 | 700 | 1628 | 2428 | | 1114 | 2228 | 26,7 | 48,3 | 33,7 | 22,5 | | | | |
| | 3.5.50.7 | 45,7 | 33,4 | 37414 | 64,7 | 143 | 34 | 382 | 5456 | 680 | 720 | 550 | 2028 | 3028 | | 1364 | 2728 | 26,7 | 42,2 | 22 | 25 | | | | |
| | 4.5.50.7 | 56,3 | 41,2 | 36459 | 64,7 | 190 | 45 | 425 | 5456 | 730 | 720 | 600 | 2028 | 3028 | | 1364 | 2728 | 26,7 | 48,3 | 22 | 25 | | | | |
| | 6.5.50.7 | 72,1 | 52,7 | 34707 | 64,7 | 285 | 68 | 515 | 5456 | 830 | 720 | 700 | 2028 | 3028 | | 1364 | 2728 | 33,7 | 60,3 | 22 | 25 | | | | |
| | 8.5.50.7 | 82,9 | 60,2 | 33156 | 64,7 | 381 | 90 | 604 | 5456 | 930 | 720 | 800 | 2028 | 3028 | | 1364 | 2728 | 33,7 | 60,3 | 33,7 | 25 | | | | |
| | 3.5.63.7 | 84,7 | 61,9 | 64535 | 72,1 | 285 | 68 | 689 | 6456 | 795 | 1120 | 650 | 2428 | 2428 | 1200 | 1076 | 2x2152 | 33,7 | 60,3 | 22 | 27,5 | | | | |
| | 4.5.63.7 | 104,1 | 76,1 | 63672 | 72,1 | 380 | 90 | 770 | 6456 | 845 | 1120 | 700 | 2428 | 2428 | 1200 | 1076 | 2x2152 | 33,7 | 60,3 | 33,7 | 27,5 | | | | |
| 6.5.63.7 | 134,5 | 97,9 | 61935 | 72,1 | 571 | 135 | 929 | 6456 | 945 | 1120 | 800 | 2428 | 2428 | 1200 | 1076 | 2x2152 | 42,2 | 76,1 | 33,7 | 27,5 | | | | | |
| 8.5.63.7 | 156,4 | 112,3 | 60227 | 72,1 | 761 | 180 | 1104 | 6456 | 1045 | 1120 | 900 | 2428 | 2428 | 1200 | 1076 | 2x2152 | 42,2 | 76,1 | 33,7 | 27,5 | | | | | |
|  | 3.6.45.7 | 41,2 | 30,3 | 32055 | 62,6 | 137 | 33 | 320 | 5256 | 560 | 720 | 450 | 2428 | 2428 | | 1314 | 2628 | 21,3 | 42,2 | 22 | 22,5 | | | | |
| | 4.6.45.7 | 50,6 | 36,9 | 31071 | 62,6 | 183 | 44 | 363 | 5256 | 610 | 720 | 500 | 2428 | 2428 | | 1314 | 2628 | 26,7 | 42,2 | 22 | 22,5 | | | | |
| | 6.6.45.7 | 63,9 | 46,3 | 29205 | 62,6 | 274 | 65 | 450 | 5256 | 710 | 720 | 600 | 2428 | 2428 | | 1314 | 2628 | 26,7 | 48,3 | 22 | 22,5 | | | | |
| | 8.6.45.7 | 72,8 | 52,0 | 27550 | 62,6 | 365 | 87 | 537 | 5256 | 810 | 720 | 700 | 2428 | 2428 | | 1314 | 2628 | 33,7 | 60,3 | 33,7 | 22,5 | | | | |
| | 3.6.50.7 | 54,8 | 39,9 | 44895 | 65,2 | 171 | 41 | 451 | 6456 | 680 | 720 | 550 | 2028 | 2028 | 2000 | 1076 | 2x2152 | 26,7 | 48,3 | 22 | 25 | | | | |
| | 4.6.50.7 | 67,8 | 48,8 | 43749 | 65,2 | 228 | 54 | 504 | 6456 | 730 | 720 | 600 | 2028 | 2028 | 2000 | 1076 | 2x2152 | 26,7 | 48,3 | 22 | 25 | | | | |
| | 6.6.50.7 | 87,2 | 62,3 | 41646 | 65,2 | 342 | 81 | 609 | 6456 | 830 | 720 | 700 | 2028 | 2028 | 2000 | 1076 | 2x2152 | 33,7 | 60,3 | 22 | 25 | | | | |
| | 8.6.50.7 | 100,4 | 71,9 | 39784 | 65,2 | 457 | 108 | 715 | 6456 | 930 | 720 | 800 | 2028 | 2028 | 2000 | 1076 | 2x2152 | 33,7 | 60,3 | 33,7 | 25 | | | | |
| | 3.6.63.7 | 101,7 | 74,3 | 77442 | 72,6 | 342 | 81 | 817 | 7656 | 795 | 1120 | 650 | 2428 | 2428 | 2400 | 1276 | 2x2552 | 33,7 | 60,3 | 22 | 27,5 | | | | |
| | 4.6.63.7 | 125,6 | 91,3 | 76405 | 72,6 | 456 | 108 | 913 | 7656 | 845 | 1120 | 700 | 2428 | 2428 | 2400 | 1276 | 2x2552 | 42,2 | 60,3 | 33,7 | 27,5 | | | | |
| | 6.6.63.7 | 161,4 | 117,2 | 74321 | 72,6 | 685 | 162 | 1104 | 7656 | 945 | 1120 | 800 | 2428 | 2428 | 2400 | 1276 | 2x2552 | 42,2 | 76,1 | 33,7 | 27,5 | | | | |
| | 8.6.63.7 | 187,8 | 134,9 | 72270 | 72,6 | 913 | 216 | 1310 | 7656 | 1045 | 1120 | 900 | 2428 | 2428 | 2400 | 1276 | 2x2552 | 42,2 | 76,1 | 42 | 27,5 | | | | |
|  | 3.7.45.7 | 48,4 | 34,8 | 37397 | 63,0 | 160 | 38 | 370 | 6056 | 560 | 720 | 450 | 2428 | 2428 | 800 | 1514 | 3028 | 26,7 | 42,2 | 22 | 22,5 | | | | |
| | 4.7.45.7 | 59,2 | 42,7 | 36249 | 63,0 | 213 | 51 | 418 | 6056 | 610 | 720 | 500 | 2428 | 2428 | 800 | 1514 | 3028 | 26,7 | 48,3 | 22 | 22,5 | | | | |
| | 6.7.45.7 | 75,0 | 54,1 | 34070 | 63,0 | 320 | 76 | 518 | 6056 | 710 | 720 | 600 | 2428 | 2428 | 800 | 1514 | 3028 | 33,7 | 60,3 | 33,7 | 22,5 | | | | |
| | 8.7.45.7 | 83,7 | 61,0 | 32140 | 63,0 | 426 | 101 | 618 | 6056 | 810 | 720 | 700 | 2428 | 2428 | 800 | 1514 | 3028 | 33,7 | 60,3 | 33,7 | 22,5 | | | | |
| | 3.7.63.7 | 118,0 | 86,7 | 90349 | 73,2 | 399 | 95 | 915 | 7456 | 795 | 1320 | 650 | 2028 | 2028 | 800 | 1243 | 2x2485 | 33,7 | 60,3 | 22 | 27,5 | | | | |
| | 4.7.63.7 | 144,6 | 106,5 | 89139 | 73,2 | 533 | 126 | 1023 | 7456 | 845 | 1320 | 700 | 2028 | 2028 | 3000 | 1243 | 2x2485 | 42,2 | 76,1 | 33,7 | 27,5 | | | | |
| | 6.7.63.7 | 189,4 | 136,4 | 86708 | 73,2 | 799 | 189 | 1241 | 7456 | 945 | 1320 | 800 | 2028 | 2028 | 3000 | 1243 | 2x2485 | 42,2 | 76,1 | 33,7 | 27,5 | | | | |
| 8.7.63.7 | 219,3 | 156,1 | 84317 | 73,2 | 1065 | 251 | 1473 | 7456 | 1045 | 1320 | 900 | 2028 | 2028 | 3000 | 1243 | 2x2485 | 48,3 | 76,1 | 42 | 27,5 | | | | | |
|  | 3.8.45.7 | 54,9 | 40,2 | 42737 | 63,4 | 183 | 44 | 418 | 6856 | 560 | 720 | 450 | 2428 | 2428 | 1600 | 1143 | 2x2285 | 26,7 | 42,2 | 22 | 22,5 | | | | |
| | 4.8.45.7 | 67,4 | 48,8 | 41425 | 63,4 | 243 | 58 | 474 | 6856 | 610 | 720 | 500 | 2428 | 2428 | 1600 | 1143 | 2x2285 | 26,7 | 48,3 | 22 | 22,5 | | | | |
| | 6.8.45.7 | 85,7 | 60,9 | 38936 | 63,4 | 365 | 87 | 588 | 6856 | 710 | 720 | 600 | 2428 | 2428 | 1600 | 1143 | 2x2285 | 33,7 | 60,3 | 33,7 | 22,5 | | | | |
| | 8.8.45.7 | 97,0 | 69,3 | 36729 | 63,4 | 487 | 115 | 701 | 6856 | 810 | 720 | 700 | 2428 | 2428 | 1600 | 1143 | 2x2285 | 33,7 | 60,3 | 33,7 | 22,5 | | | | |

Pay attention to the relation capacity / air volume !!




* = Sound pressure indication (LpA) at 3 m distance each air cooler (+/- 2 dB(A)), free field conditions, according EN13487

** = Air throw see remark page 5

For moisture carry over see remark pag 5

Capacities and air volumes with 60 Hz fans on request or in our GPC selection program available.

Goedhart VRB/VRZ 8mm

| | Type VRB VRZ | 3x400V-50H-4polig (1500 min ⁻¹ nom.) | | | | Air volume | LpA @ 3 m (+/- 2 dB(A))* | Surface | Internal volume | Weight | Dimensions | | | | | | | | Connections | | | | | | | |
|---|--------------------|--|--|-------------------|-------|------------|-----------------------------|---------|-----------------|--------|----------------|-----------------|------|------|------|------|------|------|-------------|------|------|----|-------------|----------|---------|-------------|
| | | NH3 | | m ³ /h | dB(A) | | | | | | m ² | dm ³ | kg | L | B | H | C | E1 | E2 | E3 | D1 | D2 | Refrigerant | | | |
| | | DT1 = 8K (SC2) air on= 0°C (-8/0) | DT1 = 7K (SC3) air on= -18°C (-25/-18) | | | | | | | | | | | | | | | | | | | | I In | K Out | Hot gas | Air throw** |
| | | kW | kW | | | | | | | | | | | | | | | | | | | | | | | |
|  | 6.1.40.8 | 6,9 | 4,9 | 3330 | 54,3 | 30 | 8 | 87 | 1156 | 740 | 620 | 600 | 756 | | | 578 | | 21,3 | 21,3 | 22 | 20 | | | | | |
| | 8.1.40.8 | 8,0 | 5,6 | 3183 | 54,3 | 39 | 11 | 101 | 1156 | 840 | 620 | 700 | 756 | | | 578 | | 21,3 | 21,3 | 22 | 20 | | | | | |
| | 1.1.40.8 | 8,7 | 6,2 | 3047 | 54,3 | 49 | 14 | 115 | 1156 | 940 | 620 | 800 | 756 | | | 578 | | 21,3 | 21,3 | 22 | 20 | | | | | |
| | 6.1.45.8 | 10,1 | 7,3 | 5038 | 56,2 | 41 | 11 | 104 | 1256 | 710 | 720 | 600 | 856 | | | 628 | | 21,3 | 26,7 | 22 | 22,5 | | | | | |
| | 8.1.45.8 | 11,7 | 8,4 | 4794 | 56,2 | 54 | 15 | 120 | 1256 | 810 | 720 | 700 | 856 | | | 628 | | 21,3 | 26,7 | 22 | 22,5 | | | | | |
| | 1.1.45.8 | 12,7 | 9,1 | 4575 | 56,2 | 68 | 19 | 139 | 1256 | 910 | 720 | 800 | 856 | | | 628 | | 21,3 | 26,7 | 22 | 22,5 | | | | | |
| | 6.1.50.8 | 13,7 | 9,8 | 7130 | 59,1 | 51 | 14 | 133 | 1456 | 830 | 720 | 700 | 1056 | | | 728 | | 21,3 | 26,7 | 22 | 25 | | | | | |
| | 8.1.50.8 | 16,0 | 11,5 | 6856 | 59,1 | 68 | 19 | 154 | 1456 | 930 | 720 | 800 | 1056 | | | 728 | | 21,3 | 26,7 | 22 | 25 | | | | | |
| | 1.1.50.8 | 17,6 | 12,6 | 6608 | 59,1 | 84 | 23 | 174 | 1456 | 1030 | 720 | 900 | 1056 | | | 728 | | 21,3 | 33,7 | 22 | 25 | | | | | |
| | 6.1.56.8 | 19,6 | 14,2 | 10120 | 62,8 | 74 | 20 | 177 | 1556 | 930 | 920 | 800 | 1156 | | | 778 | | 21,3 | 33,7 | 22 | 27,5 | | | | | |
| | 8.1.56.8 | 23,1 | 16,6 | 9811 | 62,8 | 99 | 27 | 205 | 1556 | 1030 | 920 | 900 | 1156 | | | 778 | | 21,3 | 33,7 | 22 | 27,5 | | | | | |
| | 1.1.56.8 | 25,3 | 18,4 | 9536 | 62,8 | 124 | 34 | 233 | 1556 | 1130 | 920 | 1000 | 1156 | | | 778 | | 21,3 | 33,7 | 22 | 27,5 | | | | | |
| | 6.1.63.8 | 25,1 | 18,2 | 12577 | 66,6 | 101 | 27 | 228 | 1656 | 945 | 1120 | 800 | 1256 | | | 828 | | 21,3 | 33,7 | 22 | 27,5 | | | | | |
| 8.1.63.8 | 29,7 | 21,3 | 12294 | 66,6 | 135 | 36 | 264 | 1656 | 1045 | 1120 | 900 | 1256 | | | 828 | | 21,3 | 42,2 | 22 | 27,5 | | | | | | |
| 1.1.63.8 | 32,9 | 23,3 | 12018 | 66,6 | 169 | 45 | 300 | 1656 | 1145 | 1120 | 1000 | 1256 | | | 828 | | 21,3 | 42,2 | 22 | 27,5 | | | | | | |
|  | 6.2.40.8 | 13,8 | 9,9 | 6651 | 57,0 | 59 | 16 | 138 | 1856 | 740 | 620 | 600 | 1456 | | | 928 | | 21,3 | 26,7 | 22 | 20 | | | | | |
| | 8.2.40.8 | 15,9 | 11,2 | 6355 | 57,0 | 79 | 21 | 162 | 1856 | 840 | 620 | 700 | 1456 | | | 928 | | 21,3 | 26,7 | 22 | 20 | | | | | |
| | 1.2.40.8 | 17,3 | 12,4 | 6082 | 57,0 | 98 | 27 | 185 | 1856 | 940 | 620 | 800 | 1456 | | | 928 | | 21,3 | 33,7 | 22 | 20 | | | | | |
| | 6.2.45.8 | 20,1 | 14,5 | 10065 | 58,9 | 81 | 22 | 168 | 2056 | 710 | 720 | 600 | 1656 | | | 1028 | | 21,3 | 33,7 | 22 | 22,5 | | | | | |
| | 8.2.45.8 | 23,3 | 16,7 | 9575 | 58,9 | 108 | 29 | 199 | 2056 | 810 | 720 | 700 | 1656 | | | 1028 | | 21,3 | 33,7 | 22 | 22,5 | | | | | |
| | 1.2.45.8 | 25,0 | 18,2 | 9134 | 58,9 | 135 | 36 | 229 | 2056 | 910 | 720 | 800 | 1656 | | | 1028 | | 21,3 | 33,7 | 22 | 22,5 | | | | | |
| | 6.2.50.8 | 27,3 | 19,6 | 14249 | 61,7 | 101 | 27 | 224 | 2456 | 830 | 720 | 700 | 2056 | | | 1228 | | 21,3 | 33,7 | 22 | 25 | | | | | |
| | 8.2.50.8 | 31,9 | 23,0 | 13700 | 61,7 | 135 | 36 | 261 | 2456 | 930 | 720 | 800 | 2056 | | | 1228 | | 21,3 | 42,2 | 22 | 25 | | | | | |
| | 1.2.50.8 | 35,2 | 25,1 | 13203 | 61,7 | 168 | 45 | 297 | 2456 | 1030 | 720 | 900 | 2056 | | | 1228 | | 21,3 | 42,2 | 22 | 25 | | | | | |
| | 6.2.56.8 | 39,2 | 28,3 | 20231 | 65,4 | 148 | 40 | 300 | 2656 | 930 | 920 | 800 | 2256 | | | 1328 | | 21,3 | 42,2 | 22 | 27,5 | | | | | |
| | 8.2.56.8 | 46,1 | 33,2 | 19610 | 65,4 | 197 | 53 | 351 | 2656 | 1030 | 920 | 900 | 2256 | | | 1328 | | 26,7 | 42,2 | 22 | 27,5 | | | | | |
| | 1.2.56.8 | 50,5 | 36,7 | 19057 | 65,4 | 247 | 66 | 400 | 2656 | 1130 | 920 | 1000 | 2256 | | | 1328 | | 26,7 | 42,2 | 22 | 27,5 | | | | | |
| | 6.2.63.8 | 50,1 | 36,4 | 25147 | 69,2 | 202 | 54 | 397 | 2856 | 945 | 1120 | 800 | 2456 | | | 1428 | | 26,7 | 42,2 | 22 | 27,5 | | | | | |
| 8.2.63.8 | 59,3 | 42,6 | 24579 | 69,2 | 269 | 72 | 462 | 2856 | 1045 | 1120 | 900 | 2456 | | | 1428 | | 26,7 | 48,3 | 22 | 27,5 | | | | | | |
| 1.2.63.8 | 65,8 | 46,1 | 24021 | 69,2 | 336 | 90 | 527 | 2856 | 1145 | 1120 | 1000 | 2456 | | | 1428 | | 26,7 | 48,3 | 33,7 | 27,5 | | | | | | |
|  | 6.3.45.8 | 30,1 | 21,8 | 15091 | 60,4 | 121 | 33 | 237 | 2856 | 710 | 720 | 600 | 2456 | | | 1428 | | 21,3 | 42,2 | 22 | 22,5 | | | | | |
| | 8.3.45.8 | 34,9 | 25,1 | 14355 | 60,4 | 162 | 44 | 280 | 2856 | 810 | 720 | 700 | 2456 | | | 1428 | | 21,3 | 42,2 | 22 | 22,5 | | | | | |
| | 1.3.45.8 | 38,0 | 27,3 | 13694 | 60,4 | 202 | 54 | 322 | 2856 | 910 | 720 | 800 | 2456 | | | 1428 | | 21,3 | 42,2 | 22 | 22,5 | | | | | |
| | 6.3.50.8 | 40,7 | 29,4 | 21370 | 63,1 | 151 | 41 | 319 | 3456 | 830 | 720 | 700 | 2028 | 2028 | | 864 | 1728 | 26,7 | 42,2 | 22 | 25 | | | | | |
| | 8.3.50.8 | 47,9 | 34,5 | 20544 | 63,1 | 202 | 54 | 372 | 3456 | 930 | 720 | 800 | 2028 | 2028 | | 864 | 1728 | 26,7 | 42,2 | 22 | 25 | | | | | |
| | 1.3.50.8 | 52,2 | 37,9 | 19798 | 63,1 | 252 | 68 | 425 | 3456 | 1030 | 720 | 900 | 2028 | 2028 | | 864 | 1728 | 26,7 | 42,2 | 22 | 25 | | | | | |
| | 6.3.56.8 | 58,6 | 42,0 | 30341 | 66,8 | 222 | 60 | 424 | 3756 | 930 | 920 | 800 | 1128 | 2228 | | 939 | 1878 | 26,7 | 48,3 | 22 | 27,5 | | | | | |
| | 8.3.56.8 | 68,9 | 48,7 | 29410 | 66,8 | 296 | 79 | 498 | 3756 | 1030 | 920 | 900 | 1128 | 2228 | | 939 | 1878 | 26,7 | 48,3 | 22 | 27,5 | | | | | |
| | 1.3.56.8 | 76,5 | 54,9 | 28579 | 66,8 | 370 | 99 | 570 | 3756 | 1130 | 920 | 1000 | 1128 | 2228 | | 939 | 1878 | 33,7 | 60,3 | 33,7 | 27,5 | | | | | |
| | 6.3.63.8 | 75,1 | 54,6 | 37717 | 70,6 | 303 | 81 | 576 | 4056 | 945 | 1120 | 800 | 1228 | 2428 | | 1014 | 2028 | 33,7 | 60,3 | 33,7 | 27,5 | | | | | |
| | 8.3.63.8 | 88,9 | 64,1 | 36863 | 70,6 | 403 | 108 | 672 | 4056 | 1045 | 1120 | 900 | 1228 | 2428 | | 1014 | 2028 | 33,7 | 60,3 | 33,7 | 27,5 | | | | | |
| | 1.3.63.8 | 98,6 | 70,8 | 36024 | 70,6 | 504 | 135 | 755 | 4056 | 1145 | 1120 | 1000 | 1228 | 2428 | | 1014 | 2028 | 33,7 | 60,3 | 33,7 | 27,5 | | | | | |

Pay attention to the relation capacity / air volume !!






* = Sound pressure indication (LpA) at 3 m distance each air cooler (+/- 2 dB(A)), free field conditions, according EN13487

** = Air throw see remark page 5

For moisture carry over see remark pag 5

Capacities and air volumes with 60 Hz fans on request or in our GPC selection program available.

Goedhart VRB/VRZ 8mm

| | Type VRB VRZ | 3x400V-50H-4polig (1500 min ⁻¹ nom.) | | | | Surface | Internal volume | Weight | Dimensions | | | | | | | | | | Connections | | | |
|---|---|--|--|---------------------------------|-----------------------------|---------|-----------------|--------|------------|------|------|------|------|------|------|------|--------|-------------|-------------|---------|-------------|------|
| | | NH3 | | Air volume m ³ /h | LpA @ 3 m (+/- 2 dB(A))* | | | | L | B | H | C | E1 | E2 | E3 | D1 | D2 | Refrigerant | | | | |
| | | DT1 = 8K (SC2) air on= 0°C (-8/0) | DT1 = 7K (SC3) air on= -18°C (-25/-18) | | | | | | | | | | | | | | | I In | K Out | Hot gas | Air throw** | |
| | | | | | | | | | | | | | | | | | | | | | | kW |
|  | 6.4.45.8 | 40,2 | 29,0 | 20117 | 61,3 | 161 | 44 | 303 | 3656 | 710 | 720 | 600 | 1628 | 1628 | | 914 | 1828 | 21,3 | 42,2 | 22 | 22,5 | |
| | 8.4.45.8 | 46,6 | 33,5 | 19136 | 61,3 | 215 | 58 | 358 | 3656 | 810 | 720 | 700 | 1628 | 1628 | | 914 | 1828 | 26,7 | 42,2 | 22 | 22,5 | |
| | 1.4.45.8 | 50,0 | 36,3 | 18253 | 61,3 | 269 | 72 | 413 | 3656 | 910 | 720 | 800 | 1628 | 1628 | | 914 | 1828 | 26,7 | 42,2 | 22 | 22,5 | |
| | 6.4.50.8 | 54,3 | 39,5 | 28490 | 64,0 | 202 | 54 | 408 | 4456 | 830 | 720 | 700 | 2028 | 2028 | | 1114 | 2228 | 26,7 | 42,2 | 22 | 25 | |
| | 8.4.50.8 | 63,8 | 46,0 | 27388 | 64,0 | 269 | 72 | 477 | 4456 | 930 | 720 | 800 | 2028 | 2028 | | 1114 | 2228 | 26,7 | 48,3 | 22 | 25 | |
| | 1.4.50.8 | 70,3 | 50,4 | 26392 | 64,0 | 336 | 90 | 545 | 4456 | 1030 | 720 | 900 | 2028 | 2028 | | 1114 | 2228 | 33,7 | 60,3 | 33,7 | 25 | |
| | 6.4.56.8 | 78,4 | 56,6 | 40452 | 67,7 | 296 | 79 | 547 | 4856 | 930 | 920 | 800 | 2228 | 2228 | | 1214 | 2428 | 33,7 | 60,3 | 22 | 27,5 | |
| | 8.4.56.8 | 92,1 | 66,4 | 39208 | 67,7 | 394 | 106 | 643 | 4856 | 1030 | 920 | 900 | 2228 | 2228 | | 1214 | 2428 | 33,7 | 60,3 | 33,7 | 27,5 | |
| | 1.4.56.8 | 100,9 | 73,3 | 38100 | 67,7 | 493 | 132 | 737 | 4856 | 1130 | 920 | 1000 | 2228 | 2228 | | 1214 | 2428 | 33,7 | 60,3 | 33,7 | 27,5 | |
| | 6.4.63.8 | 100,4 | 72,5 | 50285 | 71,5 | 403 | 108 | 745 | 5256 | 945 | 1120 | 800 | 2428 | 2428 | | 1314 | 2628 | 33,7 | 60,3 | 33,7 | 27,5 | |
| | 8.4.63.8 | 118,6 | 85,1 | 49147 | 71,5 | 538 | 144 | 870 | 5256 | 1045 | 1120 | 900 | 2428 | 2428 | | 1314 | 2628 | 42,2 | 60,3 | 33,7 | 27,5 | |
| | 1.4.63.8 | 129,6 | 94,3 | 48029 | 71,5 | 672 | 180 | 993 | 5256 | 1145 | 1120 | 1000 | 2428 | 2428 | | 1314 | 2628 | 42,2 | 76,1 | 33,7 | 27,5 | |
|  | 6.5.45.8 | 50,1 | 36,5 | 25144 | 62,1 | 202 | 54 | 369 | 4456 | 710 | 720 | 600 | 1628 | 2428 | | 1114 | 2228 | 26,7 | 42,2 | 22 | 22,5 | |
| | 8.5.45.8 | 58,2 | 41,8 | 23916 | 62,1 | 269 | 72 | 438 | 4456 | 810 | 720 | 700 | 1628 | 2428 | | 1114 | 2228 | 26,7 | 48,3 | 22 | 22,5 | |
| | 1.5.45.8 | 62,5 | 45,3 | 22813 | 62,1 | 336 | 90 | 508 | 4456 | 910 | 720 | 800 | 1628 | 2428 | | 1114 | 2228 | 26,7 | 48,3 | 33,7 | 22,5 | |
| | 6.5.50.8 | 67,9 | 49,4 | 35609 | 64,7 | 252 | 68 | 501 | 5456 | 830 | 720 | 700 | 2028 | 3028 | | 1364 | 2728 | 26,7 | 48,3 | 22 | 25 | |
| | 8.5.50.8 | 79,2 | 57,3 | 34233 | 64,7 | 336 | 90 | 585 | 5456 | 930 | 720 | 800 | 2028 | 3028 | | 1364 | 2728 | 33,7 | 60,3 | 33,7 | 25 | |
| | 1.5.50.8 | 87,9 | 62,8 | 32987 | 64,7 | 420 | 113 | 669 | 5456 | 1030 | 720 | 900 | 2028 | 3028 | | 1364 | 2728 | 33,7 | 60,3 | 33,7 | 25 | |
| | 6.5.63.8 | 125,1 | 91,0 | 62855 | 72,1 | 504 | 135 | 902 | 6456 | 945 | 1120 | 800 | 2428 | 2428 | 1200 | 1076 | 2x2152 | 42,2 | 60,3 | 33,7 | 27,5 | |
| | 8.5.63.8 | 148,1 | 106,1 | 61430 | 72,1 | 672 | 180 | 1068 | 6456 | 1045 | 1120 | 900 | 2428 | 2428 | 1200 | 1076 | 2x2152 | 42,2 | 76,1 | 33,7 | 27,5 | |
| | 1.5.63.8 | 164,2 | 116,5 | 60032 | 72,1 | 840 | 225 | 1220 | 6456 | 1145 | 1120 | 1000 | 2428 | 2428 | 1200 | 1076 | 2x2152 | 42,2 | 76,1 | 42 | 27,5 | |
| | 6.6.45.8 | 60,2 | 43,5 | 30171 | 62,6 | 242 | 65 | 437 | 5256 | 710 | 720 | 600 | 2428 | 2428 | | 1314 | 2628 | 26,7 | 48,3 | 22 | 22,5 | |
|  | 8.6.45.8 | 69,8 | 50,2 | 28697 | 62,6 | 323 | 87 | 519 | 5256 | 810 | 720 | 700 | 2428 | 2428 | | 1314 | 2628 | 33,7 | 60,3 | 33,7 | 22,5 | |
| | 1.6.45.8 | 75,0 | 54,5 | 27372 | 62,6 | 403 | 108 | 601 | 5256 | 910 | 720 | 800 | 2428 | 2428 | | 1314 | 2628 | 33,7 | 60,3 | 33,7 | 22,5 | |
| | 6.6.50.8 | 81,8 | 58,9 | 42729 | 65,2 | 302 | 81 | 593 | 6456 | 830 | 720 | 700 | 2028 | 2028 | 2000 | 1076 | 2x2152 | 33,7 | 60,3 | 33,7 | 25 | |
| | 8.6.50.8 | 95,7 | 68,9 | 41076 | 65,2 | 403 | 108 | 693 | 6456 | 930 | 720 | 800 | 2028 | 2028 | 2000 | 1076 | 2x2152 | 33,7 | 60,3 | 33,7 | 25 | |
| | 1.6.50.8 | 105,5 | 75,8 | 39581 | 65,2 | 504 | 135 | 791 | 6456 | 1030 | 720 | 900 | 2028 | 2028 | 2000 | 1076 | 2x2152 | 33,7 | 60,3 | 33,7 | 25 | |
| | 6.6.63.8 | 150,2 | 109,1 | 75424 | 72,6 | 605 | 162 | 1072 | 7656 | 945 | 1120 | 800 | 2428 | 2428 | 2400 | 1276 | 2x2552 | 42,2 | 76,1 | 33,7 | 27,5 | |
| | 8.6.63.8 | 177,5 | 128,2 | 73713 | 72,6 | 806 | 216 | 1267 | 7656 | 1045 | 1120 | 900 | 2428 | 2428 | 2400 | 1276 | 2x2552 | 42,2 | 76,1 | 33,7 | 27,5 | |
| | 1.6.63.8 | 196,8 | 141,6 | 72036 | 72,6 | 1008 | 269 | 1448 | 7656 | 1145 | 1120 | 1000 | 2428 | 2428 | 2400 | 1276 | 2x2552 | 48,3 | 76,1 | 42 | 27,5 | |
| | 6.7.45.8 | 69,9 | 51,1 | 35198 | 63,0 | 282 | 76 | 504 | 6056 | 710 | 720 | 600 | 2428 | 2428 | 800 | 1514 | 3028 | 33,7 | 60,3 | 22 | 22,5 | |
| |  | 8.7.45.8 | 80,7 | 58,7 | 33477 | 63,0 | 376 | 101 | 598 | 6056 | 810 | 720 | 700 | 2428 | 2428 | 800 | 1514 | 3028 | 33,7 | 60,3 | 33,7 | 22,5 |
| 1.7.45.8 | | 88,6 | 63,4 | 31932 | 63,0 | 470 | 126 | 691 | 6056 | 910 | 720 | 800 | 2428 | 2428 | 800 | 1514 | 3028 | 33,7 | 60,3 | 33,7 | 22,5 | |
| 6.7.63.8 | | 175,5 | 126,5 | 87995 | 73,2 | 705 | 189 | 1203 | 7456 | 945 | 1320 | 800 | 2028 | 2028 | 3000 | 1243 | 2x2485 | 42,2 | 76,1 | 33,7 | 27,5 | |
| 8.7.63.8 | | 207,4 | 147,3 | 85999 | 73,2 | 941 | 251 | 1422 | 7456 | 1045 | 1320 | 900 | 2028 | 2028 | 3000 | 1243 | 2x2485 | 48,3 | 76,1 | 33,7 | 27,5 | |
| 1.7.63.8 | | 227,4 | 165,1 | 84042 | 73,2 | 1176 | 314 | 1627 | 7456 | 1145 | 1320 | 1000 | 2028 | 2028 | 3000 | 1243 | 2x2485 | 48,3 | 76,1 | 42 | 27,5 | |
| 6.8.45.8 | | 80,7 | 57,8 | 40224 | 63,4 | 323 | 87 | 570 | 6856 | 710 | 720 | 600 | 2428 | 2428 | 1600 | 1143 | 2x2285 | 33,7 | 60,3 | 33,7 | 22,5 | |
|  | 8.8.45.8 | 93,1 | 66,9 | 38258 | 63,4 | 430 | 115 | 678 | 6856 | 810 | 720 | 700 | 2428 | 2428 | 1600 | 1143 | 2x2285 | 33,7 | 60,3 | 33,7 | 22,5 | |
| | 1.8.45.8 | 101,3 | 72,6 | 36491 | 63,4 | 538 | 144 | 785 | 6856 | 910 | 720 | 900 | 2428 | 2428 | 1600 | 1143 | 2x2285 | 33,7 | 60,3 | 33,7 | 22,5 | |

Pay attention to the relation capacity / air volume !!




* = Sound pressure indication (LpA) at 3 m distance each air cooler (+/- 2 dB(A)), free field conditions, according EN13487

** = Air throw see remark page 5

For moisture carry over see remark pag 5

Capacities and air volumes with 60 Hz fans on request or in our GPC selection program available.

Goedhart VRB/VRZ 10mm

| | Type VRB VRZ | 3x400V-50H-4polig (1500 min ⁻¹ nom.) | | | | Air volume | LpA @ 3 m (+/- 2 dB(A))* | Surface | Internal volume | Weight | Dimensions | | | | | | | | Connections | | | | | | | |
|---|--------------------|--|-------|-------------------|-------|------------|-----------------------------|---------|-----------------|--------|----------------|-----------------|------|------|------|------|------|------|-------------|------|----|----|-------------|----------|---------|-------------|
| | | NH3 | | m ³ /h | dB(A) | | | | | | m ² | dm ³ | kg | L | B | H | C | E1 | E2 | E3 | D1 | D2 | Refrigerant | | | |
| | | kW | kW | | | | | | | | | | | | | | | | | | | | I In | K Out | Hot gas | Air throw** |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | 6.1.40.10 | 6,2 | 4,4 | 3455 | 54,3 | 24 | 8 | 84 | 1156 | 740 | 620 | 600 | 756 | | 578 | | 21,3 | 21,3 | 22 | 20 | | | | | | |
| | 8.1.40.10 | 7,3 | 5,1 | 3346 | 54,3 | 32 | 11 | 98 | 1156 | 840 | 620 | 700 | 756 | | 578 | | 21,3 | 21,3 | 22 | 20 | | | | | | |
| | 1.1.40.10 | 8,2 | 5,8 | 3239 | 54,3 | 40 | 14 | 111 | 1156 | 940 | 620 | 800 | 756 | | 578 | | 21,3 | 21,3 | 22 | 20 | | | | | | |
| | 6.1.45.10 | 9,1 | 6,5 | 5255 | 56,2 | 33 | 11 | 101 | 1256 | 710 | 720 | 600 | 856 | | 628 | | 21,3 | 21,3 | 22 | 22,5 | | | | | | |
| | 8.1.45.10 | 10,8 | 7,8 | 5066 | 56,2 | 44 | 15 | 117 | 1256 | 810 | 720 | 700 | 856 | | 628 | | 21,3 | 26,7 | 22 | 22,5 | | | | | | |
| | 1.1.45.10 | 12,0 | 8,5 | 4886 | 56,2 | 55 | 19 | 133 | 1256 | 910 | 720 | 800 | 856 | | 628 | | 21,3 | 26,7 | 22 | 22,5 | | | | | | |
| | 6.1.50.10 | 12,2 | 8,8 | 7378 | 59,1 | 41 | 14 | 129 | 1456 | 830 | 720 | 700 | 1056 | | 728 | | 21,3 | 26,7 | 22 | 25 | | | | | | |
| | 8.1.50.10 | 14,6 | 10,5 | 7162 | 59,1 | 55 | 19 | 149 | 1456 | 930 | 720 | 800 | 1056 | | 728 | | 21,3 | 26,7 | 22 | 25 | | | | | | |
| | 1.1.50.10 | 16,4 | 11,8 | 6959 | 59,1 | 69 | 23 | 168 | 1456 | 1030 | 720 | 900 | 1056 | | 728 | | 21,3 | 33,7 | 22 | 25 | | | | | | |
| | 6.1.56.10 | 17,5 | 12,7 | 10410 | 62,8 | 60 | 20 | 171 | 1556 | 930 | 920 | 800 | 1156 | | 778 | | 21,3 | 33,7 | 22 | 27,5 | | | | | | |
| | 8.1.56.10 | 21,0 | 15,1 | 10158 | 62,8 | 81 | 27 | 197 | 1556 | 1030 | 920 | 900 | 1156 | | 778 | | 21,3 | 33,7 | 22 | 27,5 | | | | | | |
| | 1.1.56.10 | 23,5 | 17,0 | 9926 | 62,8 | 101 | 34 | 223 | 1556 | 1130 | 920 | 1000 | 1156 | | 778 | | 21,3 | 33,7 | 22 | 27,5 | | | | | | |
| | 6.1.63.10 | 22,1 | 16,1 | 12814 | 66,6 | 82 | 27 | 221 | 1656 | 945 | 1120 | 800 | 1256 | | 828 | | 21,3 | 33,7 | 22 | 27,5 | | | | | | |
| 8.1.63.10 | 26,6 | 19,3 | 12609 | 66,6 | 110 | 36 | 254 | 1656 | 1045 | 1120 | 900 | 1256 | | 828 | | 21,3 | 33,7 | 22 | 27,5 | | | | | | | |
| 1.1.63.10 | 30,3 | 21,4 | 12404 | 66,6 | 137 | 45 | 287 | 1656 | 1145 | 1120 | 1000 | 1256 | | 828 | | 21,3 | 42,2 | 22 | 27,5 | | | | | | | |
|  | 6.2.40.10 | 12,3 | 8,9 | 6903 | 57,0 | 48 | 16 | 134 | 1856 | 740 | 620 | 600 | 1456 | | 928 | | 21,3 | 26,7 | 22 | 20 | | | | | | |
| | 8.2.40.10 | 14,6 | 10,2 | 6684 | 57,0 | 64 | 21 | 156 | 1856 | 840 | 620 | 700 | 1456 | | 928 | | 21,3 | 26,7 | 22 | 20 | | | | | | |
| | 1.2.40.10 | 16,3 | 11,6 | 6468 | 57,0 | 80 | 27 | 177 | 1856 | 940 | 620 | 800 | 1456 | | 928 | | 21,3 | 26,7 | 22 | 20 | | | | | | |
| | 6.2.45.10 | 18,1 | 13,1 | 10503 | 58,9 | 66 | 22 | 163 | 2056 | 710 | 720 | 600 | 1656 | | 1028 | | 21,3 | 33,7 | 22 | 22,5 | | | | | | |
| | 8.2.45.10 | 21,2 | 15,5 | 10121 | 58,9 | 88 | 29 | 190 | 2056 | 810 | 720 | 700 | 1656 | | 1028 | | 21,3 | 33,7 | 22 | 22,5 | | | | | | |
| | 1.2.45.10 | 23,7 | 17,2 | 9758 | 58,9 | 110 | 36 | 219 | 2056 | 910 | 720 | 800 | 1656 | | 1028 | | 21,3 | 33,7 | 22 | 22,5 | | | | | | |
| | 6.2.50.10 | 24,4 | 17,7 | 14751 | 61,7 | 82 | 27 | 217 | 2456 | 830 | 720 | 700 | 2056 | | 1228 | | 21,3 | 33,7 | 22 | 25 | | | | | | |
| | 8.2.50.10 | 29,2 | 21,0 | 14314 | 61,7 | 110 | 36 | 251 | 2456 | 930 | 720 | 800 | 2056 | | 1228 | | 21,3 | 42,2 | 22 | 25 | | | | | | |
| | 1.2.50.10 | 32,6 | 23,6 | 13907 | 61,7 | 137 | 45 | 284 | 2456 | 1030 | 720 | 900 | 2056 | | 1228 | | 21,3 | 42,2 | 22 | 25 | | | | | | |
| | 6.2.56.10 | 34,9 | 25,3 | 20813 | 65,4 | 121 | 40 | 289 | 2656 | 930 | 920 | 800 | 2256 | | 1328 | | 21,3 | 42,2 | 22 | 27,5 | | | | | | |
| | 8.2.56.10 | 41,9 | 30,2 | 20304 | 65,4 | 161 | 53 | 336 | 2656 | 1030 | 920 | 900 | 2256 | | 1328 | | 21,3 | 42,2 | 22 | 27,5 | | | | | | |
| | 1.2.56.10 | 46,9 | 34,0 | 19842 | 65,4 | 201 | 66 | 382 | 2656 | 1130 | 920 | 1000 | 2256 | | 1328 | | 26,7 | 42,2 | 22 | 27,5 | | | | | | |
| | 6.2.63.10 | 44,2 | 32,3 | 25621 | 69,2 | 164 | 54 | 382 | 2856 | 945 | 1120 | 800 | 2456 | | 1428 | | 26,7 | 42,2 | 22 | 27,5 | | | | | | |
| 8.2.63.10 | 53,2 | 38,6 | 25210 | 69,2 | 219 | 72 | 442 | 2856 | 1045 | 1120 | 900 | 2456 | | 1428 | | 26,7 | 42,2 | 33,7 | 27,5 | | | | | | | |
| 1.2.63.10 | 60,5 | 42,8 | 24798 | 69,2 | 274 | 90 | 502 | 2856 | 1145 | 1120 | 1000 | 2456 | | 1428 | | 26,7 | 48,3 | 33,7 | 27,5 | | | | | | | |
|  | 6.3.45.10 | 27,1 | 19,4 | 15751 | 60,4 | 99 | 33 | 228 | 2856 | 710 | 720 | 600 | 2456 | | 1428 | | 21,3 | 33,7 | 22 | 22,5 | | | | | | |
| | 8.3.45.10 | 32,2 | 23,2 | 15176 | 60,4 | 132 | 44 | 268 | 2856 | 810 | 720 | 700 | 2456 | | 1428 | | 21,3 | 42,2 | 22 | 22,5 | | | | | | |
| | 1.3.45.10 | 35,6 | 25,8 | 14632 | 60,4 | 164 | 54 | 307 | 2856 | 910 | 720 | 800 | 2456 | | 1428 | | 21,3 | 42,2 | 22 | 22,5 | | | | | | |
| | 6.3.50.10 | 36,5 | 26,5 | 22121 | 63,1 | 123 | 41 | 307 | 3456 | 830 | 720 | 700 | 2028 | 2028 | 864 | 1728 | 21,3 | 42,2 | 22 | 25 | | | | | | |
| | 8.3.50.10 | 43,3 | 31,6 | 21465 | 63,1 | 164 | 54 | 357 | 3456 | 930 | 720 | 800 | 2028 | 2028 | 864 | 1728 | 26,7 | 42,2 | 22 | 25 | | | | | | |
| | 1.3.50.10 | 48,9 | 35,5 | 20854 | 63,1 | 206 | 68 | 405 | 3456 | 1030 | 720 | 900 | 2028 | 2028 | 864 | 1728 | 26,7 | 42,2 | 33,7 | 25 | | | | | | |
| | 6.3.56.10 | 52,2 | 37,6 | 31214 | 66,8 | 181 | 60 | 408 | 3756 | 930 | 920 | 800 | 1128 | 2228 | 939 | 1878 | 26,7 | 42,2 | 22 | 27,5 | | | | | | |
| | 8.3.56.10 | 62,6 | 43,8 | 30451 | 66,8 | 241 | 79 | 475 | 3756 | 1030 | 920 | 900 | 1128 | 2228 | 939 | 1878 | 26,7 | 48,3 | 33,7 | 27,5 | | | | | | |
| | 1.3.56.10 | 70,8 | 50,7 | 29756 | 66,8 | 301 | 99 | 542 | 3756 | 1130 | 920 | 1000 | 1128 | 2228 | 939 | 1878 | 26,7 | 48,3 | 33,7 | 27,5 | | | | | | |
| | 6.3.63.10 | 66,6 | 48,4 | 38430 | 70,6 | 247 | 81 | 554 | 4056 | 945 | 1120 | 800 | 1228 | 2428 | 1014 | 2028 | 26,7 | 48,3 | 33,7 | 27,5 | | | | | | |
| | 8.3.63.10 | 80,2 | 57,9 | 37810 | 70,6 | 329 | 108 | 631 | 4056 | 1045 | 1120 | 900 | 1228 | 2428 | 1014 | 2028 | 33,7 | 60,3 | 33,7 | 27,5 | | | | | | |
| | 1.3.63.10 | 90,7 | 65,2 | 37192 | 70,6 | 411 | 135 | 716 | 4056 | 1145 | 1120 | 1000 | 1228 | 2428 | 1014 | 2028 | 33,7 | 60,3 | 33,7 | 27,5 | | | | | | |

Pay attention to the relation capacity / air volume !!





* = Sound pressure indication (LpA) at 3 m distance each air cooler (+/- 2 dB(A)), free field conditions, according EN13487

** = Air throw see remark page 5

For moisture carry over see remark pag 5

Capacities and air volumes with 60 Hz fans on request or in our GPC selection program available.

Goedhart VRB/VRZ 10mm

| Type VRB VRZ | 3x400V-50H-4polig (1500 min ⁻¹ nom.) | | | | | | Dimensions | | | | | | | | | | Connections | | | Air throw** | |
|---|---|--|-------------------|-----------------------------|----------------|-----------------|------------|------|------|------|------|------|------|------|------|------|-------------|-------------|-------|-------------|---------|
| | NH3 | | Air volume | LpA @ 3 m (+/- 2 dB(A))* | Surface | Internal volume | Weight | L | B | H | C | E | E1 | E2 | E3 | D1 | D2 | Refrigerant | | | |
| | DT1 = 8K (SC2) air on= 0°C (-8/0) | DT1 = 7K (SC3) air on= -18°C (-25/-18) | | | | | | | | | | | | | | | | I In | K Out | | Hot gas |
| | kW | kW | m ³ /h | dB(A) | m ² | dm ³ | kg | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | | mm |
|  | 6.4.45.10 | 36,2 | 26,1 | 20998 | 61,3 | 132 | 44 | 291 | 3656 | 710 | 720 | 600 | 1628 | 1628 | | 914 | 1828 | 21,3 | 42,2 | 22 | 22,5 |
| | 8.4.45.10 | 42,4 | 31,0 | 20230 | 61,3 | 175 | 58 | 342 | 3656 | 810 | 720 | 700 | 1628 | 1628 | | 914 | 1828 | 26,7 | 42,2 | 22 | 22,5 |
| | 1.4.45.10 | 47,4 | 34,4 | 19504 | 61,3 | 219 | 72 | 394 | 3656 | 910 | 720 | 800 | 1628 | 1628 | | 914 | 1828 | 26,7 | 42,2 | 33,7 | 22,5 |
| | 6.4.50.10 | 48,4 | 35,3 | 29492 | 64,0 | 164 | 54 | 393 | 4456 | 830 | 720 | 700 | 2028 | 2028 | | 1114 | 2228 | 26,7 | 42,2 | 22 | 25 |
| | 8.4.50.10 | 58,3 | 42,0 | 28618 | 64,0 | 219 | 72 | 457 | 4456 | 930 | 720 | 800 | 2028 | 2028 | | 1114 | 2228 | 26,7 | 48,3 | 33,7 | 25 |
| | 1.4.50.10 | 65,1 | 47,2 | 27801 | 64,0 | 274 | 90 | 519 | 4456 | 1030 | 720 | 900 | 2028 | 2028 | | 1114 | 2228 | 26,7 | 48,3 | 33,7 | 25 |
| | 6.4.56.10 | 69,7 | 50,5 | 41615 | 67,7 | 241 | 79 | 525 | 4856 | 930 | 920 | 800 | 2228 | 2228 | | 1214 | 2428 | 26,7 | 48,3 | 33,7 | 27,5 |
| | 8.4.56.10 | 83,6 | 60,4 | 40597 | 67,7 | 321 | 106 | 613 | 4856 | 1030 | 920 | 900 | 2228 | 2228 | | 1214 | 2428 | 33,7 | 60,3 | 33,7 | 27,5 |
| | 1.4.56.10 | 93,7 | 67,9 | 39673 | 67,7 | 402 | 132 | 699 | 4856 | 1130 | 920 | 1000 | 2228 | 2228 | | 1214 | 2428 | 33,7 | 60,3 | 33,7 | 27,5 |
| | 6.4.63.10 | 89,0 | 64,3 | 51237 | 71,5 | 329 | 108 | 715 | 5256 | 945 | 1120 | 800 | 2428 | 2428 | | 1314 | 2628 | 33,7 | 60,3 | 33,7 | 27,5 |
| 8.4.63.10 | 106,3 | 77,2 | 50412 | 71,5 | 438 | 144 | 830 | 5256 | 1045 | 1120 | 900 | 2428 | 2428 | | 1314 | 2628 | 33,7 | 60,3 | 33,7 | 27,5 | |
| 1.4.63.10 | 120,0 | 87,1 | 49586 | 71,5 | 548 | 180 | 942 | 5256 | 1145 | 1120 | 1000 | 2428 | 2428 | | 1314 | 2628 | 42,2 | 60,3 | 33,7 | 27,5 | |
|  | 6.5.45.10 | 44,8 | 32,8 | 26246 | 62,1 | 164 | 54 | 354 | 4456 | 710 | 720 | 600 | 1628 | 2428 | | 1114 | 2228 | 26,7 | 42,2 | 22 | 22,5 |
| | 8.5.45.10 | 53,6 | 38,4 | 25286 | 62,1 | 219 | 72 | 419 | 4456 | 810 | 720 | 700 | 1628 | 2428 | | 1114 | 2228 | 26,7 | 42,2 | 33,7 | 22,5 |
| | 1.5.45.10 | 59,3 | 43,0 | 24377 | 62,1 | 274 | 90 | 481 | 4456 | 910 | 720 | 800 | 1628 | 2428 | | 1114 | 2228 | 26,7 | 48,3 | 33,7 | 22,5 |
| | 6.5.50.10 | 60,8 | 43,9 | 36863 | 64,7 | 205 | 68 | 482 | 5456 | 830 | 720 | 700 | 2028 | 3028 | | 1364 | 2728 | 26,7 | 48,3 | 33,7 | 25 |
| | 8.5.50.10 | 72,9 | 52,4 | 35769 | 64,7 | 274 | 90 | 560 | 5456 | 930 | 720 | 800 | 2028 | 3028 | | 1364 | 2728 | 33,7 | 60,3 | 33,7 | 25 |
| | 1.5.50.10 | 82,1 | 59,0 | 34749 | 64,7 | 342 | 113 | 638 | 5456 | 1030 | 720 | 900 | 2028 | 3028 | | 1364 | 2728 | 33,7 | 60,3 | 33,7 | 25 |
| | 6.5.63.10 | 110,4 | 80,6 | 64044 | 72,1 | 411 | 135 | 865 | 6456 | 945 | 1120 | 800 | 2428 | 2428 | 1200 | 1076 | 2x2152 | 33,7 | 60,3 | 33,7 | 27,5 |
| | 8.5.63.10 | 133,7 | 95,0 | 63012 | 72,1 | 547 | 180 | 1017 | 6456 | 1045 | 1120 | 900 | 2428 | 2428 | 1200 | 1076 | 2x2152 | 42,2 | 76,1 | 33,7 | 27,5 |
| | 1.5.63.10 | 151,2 | 107,0 | 61979 | 72,1 | 684 | 225 | 1156 | 6456 | 1145 | 1120 | 1000 | 2428 | 2428 | 1200 | 1076 | 2x2152 | 42,2 | 76,1 | 33,7 | 27,5 |
| |  | 6.6.45.10 | 54,1 | 39,2 | 31493 | 62,6 | 197 | 65 | 419 | 5256 | 710 | 720 | 600 | 2428 | 2428 | | 1314 | 2628 | 26,7 | 42,2 | 22 |
| 8.6.45.10 | | 64,4 | 46,4 | 30341 | 62,6 | 263 | 87 | 495 | 5256 | 810 | 720 | 700 | 2428 | 2428 | | 1314 | 2628 | 26,7 | 48,3 | 33,7 | 22,5 |
| 1.6.45.10 | | 71,2 | 51,6 | 29250 | 62,6 | 411 | 108 | 570 | 5256 | 910 | 720 | 800 | 2428 | 2428 | | 1314 | 2628 | 33,7 | 60,3 | 33,7 | 22,5 |
| 6.6.50.10 | | 73,0 | 52,9 | 44235 | 65,2 | 246 | 81 | 570 | 6456 | 830 | 720 | 700 | 2028 | 2028 | 2000 | 1076 | 2x2152 | 33,7 | 60,3 | 33,7 | 25 |
| 8.6.50.10 | | 86,6 | 63,2 | 42921 | 65,2 | 328 | 108 | 662 | 6456 | 930 | 720 | 800 | 2028 | 2028 | 2000 | 1076 | 2x2152 | 33,7 | 60,3 | 33,7 | 25 |
| 1.6.50.10 | | 97,6 | 70,9 | 41697 | 65,2 | 329 | 135 | 754 | 6456 | 1030 | 720 | 900 | 2028 | 2028 | 2000 | 1076 | 2x2152 | 33,7 | 60,3 | 33,7 | 25 |
| 6.6.63.10 | | 133,1 | 96,7 | 76853 | 72,6 | 493 | 162 | 1026 | 7656 | 945 | 1120 | 800 | 2428 | 2428 | 2400 | 1276 | 2x2552 | 42,2 | 76,1 | 33,7 | 27,5 |
| 8.6.63.10 | | 160,1 | 115,8 | 75613 | 72,6 | 657 | 216 | 1205 | 7656 | 1045 | 1120 | 900 | 2428 | 2428 | 2400 | 1276 | 2x2552 | 42,2 | 76,1 | 33,7 | 27,5 |
| 1.6.63.10 | | 181,1 | 130,4 | 74373 | 72,6 | 821 | 269 | 1372 | 7656 | 1145 | 1120 | 1000 | 2428 | 2428 | 2400 | 1276 | 2x2552 | 42,2 | 76,1 | 33,7 | 27,5 |
|  | | 6.7.63.10 | 155,3 | 111,6 | 89662 | 73,2 | 575 | 189 | 1150 | 7456 | 945 | 1320 | 800 | 2028 | 2028 | 3000 | 1243 | 2x2485 | 42,2 | 76,1 | 33,7 |
| | 8.7.63.10 | 187,3 | 134,4 | 88215 | 73,2 | 766 | 251 | 1351 | 7456 | 1045 | 1320 | 900 | 2028 | 2028 | 3000 | 1243 | 2x2485 | 42,2 | 76,1 | 33,7 | 27,5 |
| | 1.7.63.10 | 211,8 | 152,0 | 86769 | 73,2 | 958 | 314 | 1538 | 7456 | 1145 | 1320 | 1000 | 2028 | 2028 | 3000 | 1243 | 2x2485 | 48,3 | 76,1 | 33,7 | 27,5 |

Pay attention to the relation capacity / air volume !!








* = Sound pressure indication (LpA) at 3 m distance each air cooler (+/- 2 dB(A)), free field conditions, according EN13487

** = Air throw see remark page 5

For moisture carry over see remark pag 5

Capacities and air volumes with 60 Hz fans on request or in our GPC selection program available.

Goedhart VRB/VRZ 12mm

| | Type VRB VRZ | 3x400V-50H-4polig (1500 min ³ nom.) | | | | Surface | Internal volume | Weight | Dimensions | | | | | | | | Connections | | | | | |
|---|---|---|--|------------|-----------------------------|---------|-----------------|--------|------------|------|------|------|---------|------|------|------|-------------|-------------|----------|---------|-------------|------|
| | | NH3 | | Air volume | LpA @ 3 m (+/- 2 dB(A))* | | | | L | B | H | C | E E1 | E2 | E3 | D1 | D2 | Refrigerant | | | | |
| | | DT1 = 8K (SC2) air on= 0°C (-8/0) | DT1 = 7K (SC3) air on= -18°C (-25/-18) | | | | | | | | | | | | | | | I In | K Out | Hot gas | Air throw** | |
| | | | | | | | | | | | | | | | | | | | | | | kW |
|  | 1x | 8.1.40.12 | 7,1 | 4,9 | 3448 | 54,3 | 27 | 11 | 98 | 1156 | 840 | 620 | 700 | 756 | | | 578 | | 21,3 | 21,3 | 22 | 20 |
| | 1.1.40.12 | 8,0 | 5,7 | 3363 | 54,3 | 34 | 14 | 111 | 1156 | 940 | 620 | 800 | 756 | | | 578 | | 21,3 | 21,3 | 22 | 20 | |
| | 8.1.45.12 | 10,4 | 7,5 | 5243 | 56,2 | 37 | 15 | 117 | 1256 | 810 | 720 | 700 | 856 | | | 628 | | 21,3 | 26,7 | 22 | 22,5 | |
| | 1.1.45.12 | 11,7 | 8,3 | 5097 | 56,2 | 47 | 19 | 133 | 1256 | 910 | 720 | 800 | 856 | | | 628 | | 21,3 | 26,7 | 22 | 22,5 | |
| | 8.1.50.12 | 13,9 | 10,0 | 7363 | 59,1 | 47 | 19 | 149 | 1456 | 930 | 720 | 800 | 1056 | | | 728 | | 21,3 | 26,7 | 22 | 25 | |
| | 1.1.50.12 | 15,9 | 11,5 | 7197 | 59,1 | 58 | 23 | 167 | 1456 | 1030 | 720 | 900 | 1056 | | | 728 | | 21,3 | 26,7 | 22 | 25 | |
| | 8.1.56.12 | 20,0 | 14,4 | 10393 | 62,8 | 68 | 27 | 197 | 1556 | 1030 | 920 | 900 | 1156 | | | 778 | | 21,3 | 33,7 | 22 | 27,5 | |
| | 1.1.56.12 | 22,6 | 16,4 | 10197 | 62,8 | 86 | 34 | 223 | 1556 | 1130 | 920 | 1000 | 1156 | | | 778 | | 21,3 | 33,7 | 22 | 27,5 | |
| | 8.1.63.12 | 25,4 | 18,4 | 12800 | 66,6 | 93 | 36 | 253 | 1656 | 1045 | 1120 | 900 | 1256 | | | 828 | | 21,3 | 33,7 | 22 | 27,5 | |
| 1.1.63.12 | 29,1 | 20,7 | 12643 | 66,6 | 117 | 45 | 287 | 1656 | 1145 | 1120 | 1000 | 1256 | | | 828 | | 21,3 | 42,2 | 22 | 27,5 | | |
|  | 2x | 8.2.40.12 | 14,1 | 9,8 | 6888 | 57,0 | 54 | 21 | 157 | 1856 | 840 | 620 | 700 | 1456 | | | 928 | | 21,3 | 26,7 | 22 | 20 |
| | 1.2.40.12 | 15,9 | 11,4 | 6720 | 57,0 | 68 | 27 | 178 | 1856 | 940 | 620 | 800 | 1456 | | | 928 | | 21,3 | 26,7 | 22 | 20 | |
| | 8.2.45.12 | 20,5 | 14,9 | 10477 | 58,9 | 75 | 29 | 191 | 2056 | 810 | 720 | 700 | 1656 | | | 1028 | | 21,3 | 33,7 | 22 | 22,5 | |
| | 1.2.45.12 | 23,2 | 16,8 | 10183 | 58,9 | 93 | 36 | 218 | 2056 | 910 | 720 | 800 | 1656 | | | 1028 | | 21,3 | 33,7 | 22 | 22,5 | |
| | 8.2.50.12 | 27,7 | 20,0 | 14719 | 61,7 | 93 | 36 | 250 | 2456 | 930 | 720 | 800 | 2056 | | | 1228 | | 21,3 | 33,7 | 22 | 25 | |
| | 1.2.50.12 | 31,6 | 22,9 | 14384 | 61,7 | 116 | 45 | 284 | 2456 | 1030 | 720 | 900 | 2056 | | | 1228 | | 21,3 | 42,2 | 22 | 25 | |
| | 8.2.56.12 | 39,9 | 28,8 | 20775 | 65,4 | 136 | 53 | 336 | 2656 | 1030 | 920 | 900 | 2256 | | | 1328 | | 21,3 | 42,2 | 22 | 27,5 | |
| | 1.2.56.12 | 45,2 | 32,7 | 20384 | 65,4 | 171 | 66 | 382 | 2656 | 1130 | 920 | 1000 | 2256 | | | 1328 | | 26,7 | 42,2 | 22 | 27,5 | |
| | 8.2.63.12 | 50,7 | 36,8 | 25594 | 69,2 | 186 | 72 | 441 | 2856 | 1045 | 1120 | 900 | 2456 | | | 1428 | | 26,7 | 42,2 | 22 | 27,5 | |
| 1.2.63.12 | 58,2 | 41,3 | 25279 | 69,2 | 233 | 90 | 500 | 2856 | 1145 | 1120 | 1000 | 2456 | | | 1428 | | 26,7 | 48,3 | 33,7 | 27,5 | | |
|  | 3x | 8.3.45.12 | 31,0 | 22,4 | 15711 | 60,4 | 112 | 44 | 267 | 2856 | 810 | 720 | 700 | 2456 | | | 1428 | | 21,3 | 42,2 | 22 | 22,5 |
| | 1.3.45.12 | 34,8 | 25,2 | 15270 | 60,4 | 140 | 54 | 307 | 2856 | 910 | 720 | 800 | 2456 | | | 1428 | | 21,3 | 42,2 | 22 | 22,5 | |
| | 8.3.50.12 | 41,6 | 30,2 | 22075 | 63,1 | 139 | 54 | 357 | 3456 | 930 | 720 | 800 | 1028 | 2028 | | 864 | 1728 | 26,7 | 42,2 | 22 | 25 | |
| | 1.3.50.12 | 47,4 | 34,3 | 21571 | 63,1 | 174 | 68 | 405 | 3456 | 1030 | 720 | 900 | 1028 | 2028 | | 864 | 1728 | 26,7 | 42,2 | 22 | 25 | |
| | 8.3.56.12 | 59,8 | 41,6 | 31160 | 66,8 | 205 | 79 | 475 | 3756 | 1030 | 920 | 900 | 1128 | 2228 | | 939 | 1878 | 26,7 | 48,3 | 33,7 | 27,5 | |
| | 1.3.56.12 | 68,2 | 48,8 | 30572 | 66,8 | 256 | 99 | 541 | 3756 | 1130 | 920 | 1000 | 1128 | 2228 | | 939 | 1878 | 26,7 | 48,3 | 33,7 | 27,5 | |
| | 8.3.63.12 | 76,4 | 55,0 | 38387 | 70,6 | 279 | 108 | 630 | 4056 | 1045 | 1120 | 900 | 1228 | 2428 | | 1014 | 2028 | 33,7 | 60,3 | 33,7 | 27,5 | |
| | 1.3.63.12 | 87,2 | 62,6 | 37913 | 70,6 | 349 | 135 | 715 | 4056 | 1145 | 1120 | 1000 | 1228 | 2428 | | 1014 | 2028 | 33,7 | 60,3 | 33,7 | 27,5 | |
| |  | 4x | 8.4.45.12 | 41,0 | 29,8 | 20946 | 61,3 | 149 | 58 | 342 | 3656 | 810 | 720 | 700 | 1628 | 1628 | | 914 | 1828 | 21,3 | 42,2 | 22 |
| 1.4.45.12 | | 46,4 | 33,6 | 20356 | 61,3 | 186 | 72 | 393 | 3656 | 910 | 720 | 800 | 1628 | 1628 | | 914 | 1828 | 26,7 | 42,2 | 22 | 22,5 | |
| 8.4.50.12 | | 55,4 | 40,0 | 29432 | 64,0 | 186 | 72 | 456 | 4456 | 930 | 720 | 800 | 2028 | 2028 | | 1114 | 2228 | 26,7 | 48,3 | 22 | 25 | |
| 1.4.50.12 | | 63,1 | 45,7 | 28758 | 64,0 | 232 | 90 | 518 | 4456 | 1030 | 720 | 900 | 2028 | 2028 | | 1114 | 2228 | 26,7 | 48,3 | 33,7 | 25 | |
| 8.4.56.12 | | 79,8 | 57,6 | 41544 | 67,7 | 273 | 106 | 613 | 4856 | 1030 | 920 | 900 | 2228 | 2228 | | 1214 | 2428 | 33,7 | 60,3 | 33,7 | 27,5 | |
| 1.4.56.12 | | 90,4 | 65,4 | 40760 | 67,7 | 341 | 132 | 698 | 4856 | 1130 | 920 | 1000 | 2228 | 2228 | | 1214 | 2428 | 33,7 | 60,3 | 33,7 | 27,5 | |
| 8.4.63.12 | | 101,3 | 73,5 | 51181 | 71,5 | 372 | 144 | 828 | 5256 | 1045 | 1120 | 900 | 2428 | 2428 | | 1314 | 2628 | 33,7 | 60,3 | 33,7 | 27,5 | |
| 1.4.63.12 | | 115,6 | 83,7 | 50549 | 71,5 | 465 | 180 | 941 | 5256 | 1145 | 1120 | 1000 | 2428 | 2428 | | 1314 | 2628 | 33,7 | 60,3 | 33,7 | 27,5 | |
|  | | 5x | 8.5.45.12 | 51,7 | 36,9 | 26180 | 62,1 | 186 | 72 | 418 | 4456 | 810 | 720 | 700 | 1628 | 2428 | | 1114 | 2228 | 26,7 | 42,2 | 22 |
| | 1.5.45.12 | 58,0 | 42,1 | 25442 | 62,1 | 232 | 90 | 481 | 4456 | 910 | 720 | 800 | 1628 | 2428 | | 1114 | 2228 | 26,7 | 48,3 | 33,7 | 22,5 | |
| | 8.5.50.12 | 69,7 | 50,2 | 36787 | 64,7 | 232 | 90 | 560 | 5456 | 930 | 720 | 800 | 2028 | 2028 | 1000 | 1364 | 2728 | 33,7 | 60,3 | 33,7 | 25 | |
| | 1.5.50.12 | 78,7 | 57,2 | 35945 | 64,7 | 290 | 113 | 637 | 5456 | 1030 | 720 | 900 | 2028 | 2028 | 1000 | 1364 | 2728 | 33,7 | 60,3 | 33,7 | 25 | |
| | 8.5.63.12 | 127,3 | 90,1 | 63975 | 72,1 | 465 | 180 | 1016 | 6456 | 1045 | 1120 | 800 | 2428 | 2428 | 1200 | 1076 | 2x2152 | 42,2 | 76,1 | 33,7 | 27,5 | |
| | 1.5.63.12 | 145,4 | 103,3 | 63184 | 72,1 | 581 | 225 | 1155 | 6456 | 1145 | 1120 | 900 | 2428 | 2428 | 1200 | 1076 | 2x2152 | 42,2 | 76,1 | 33,7 | 27,5 | |
|  | 6x | 8.6.45.12 | 62,0 | 44,8 | 31414 | 62,6 | 223 | 87 | 495 | 5256 | 810 | 720 | 700 | 2428 | 2428 | | 1314 | 2628 | 26,7 | 48,3 | 33,7 | 22,5 |
| | 1.6.45.12 | 69,6 | 50,5 | 30528 | 62,6 | 279 | 108 | 569 | 5256 | 910 | 720 | 800 | 2428 | 2428 | | 1314 | 2628 | 26,7 | 48,3 | 33,7 | 22,5 | |
| | 8.6.50.12 | 83,1 | 60,4 | 44143 | 65,2 | 279 | 108 | 661 | 6456 | 930 | 720 | 800 | 2028 | 2028 | 2000 | 1076 | 2x2152 | 33,7 | 60,3 | 33,7 | 25 | |
| | 1.6.50.12 | 94,6 | 68,6 | 43133 | 65,2 | 348 | 135 | 752 | 6456 | 1030 | 720 | 900 | 2028 | 2028 | 2000 | 1076 | 2x2152 | 33,7 | 60,3 | 33,7 | 25 | |
| | 8.6.63.12 | 152,4 | 110,0 | 76769 | 72,6 | 557 | 216 | 1203 | 7656 | 1045 | 1120 | 900 | 2428 | 2428 | 2400 | 1276 | 2x2552 | 42,2 | 76,1 | 33,7 | 27,5 | |
| | 1.6.63.12 | 174,2 | 125,1 | 75819 | 72,6 | 697 | 269 | 1369 | 7656 | 1145 | 1120 | 1000 | 2428 | 2428 | 2400 | 1276 | 2x2552 | 42,2 | 76,1 | 33,7 | 27,5 | |
|  | 7x | 8.7.63.12 | 178,3 | 128,2 | 89564 | 73,2 | 650 | 251 | 1349 | 7456 | 1045 | 1320 | 900 | 2028 | 2028 | 3000 | 1243 | 2x2485 | 42,2 | 76,1 | 33,7 | 27,5 |
| | 1.7.63.12 | 203,5 | 146,4 | 88455 | 73,2 | 813 | 314 | 1535 | 7456 | 1145 | 1320 | 1000 | 2028 | 2028 | 3000 | 1243 | 2x2485 | 48,3 | 76,1 | 33,7 | 27,5 | |

Pay attention to the relation capacity / air volume !!

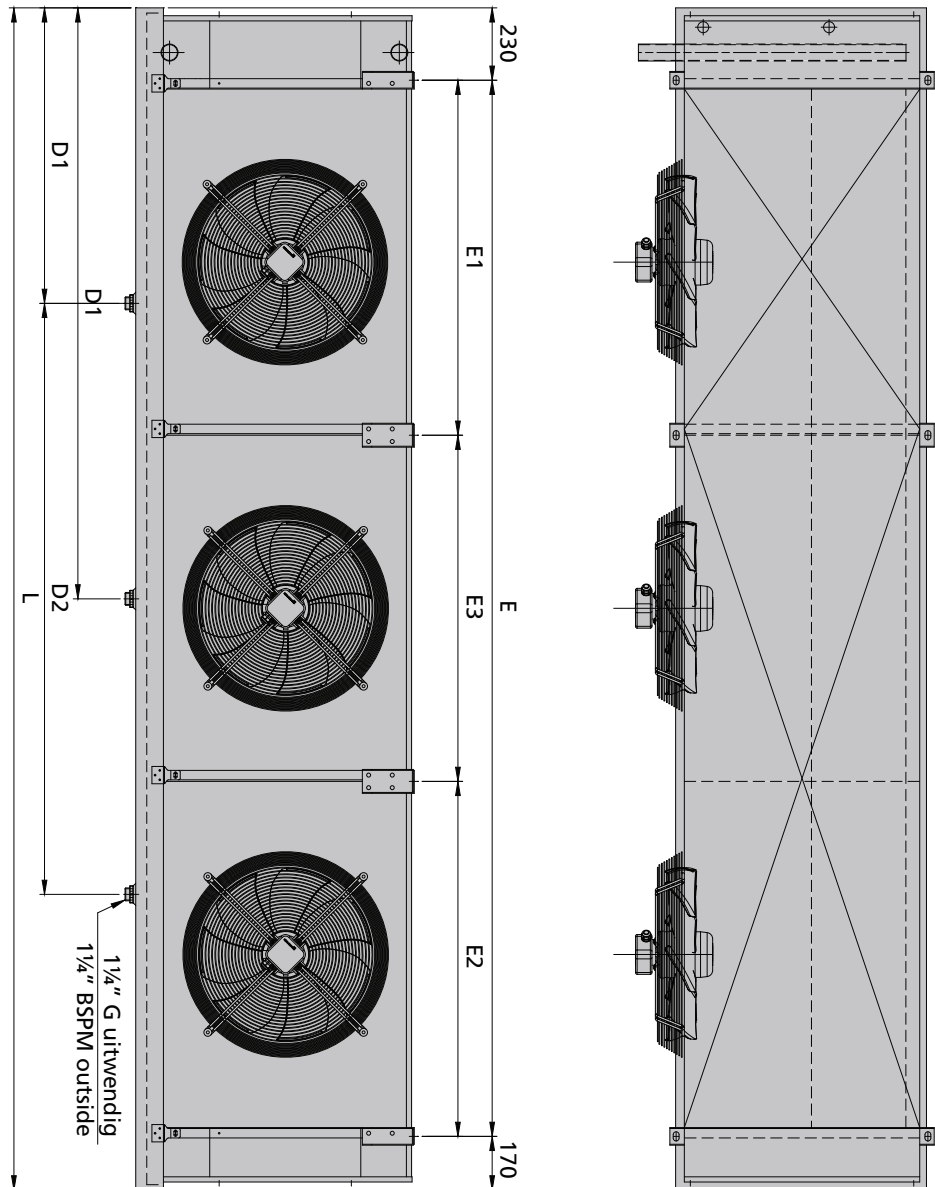
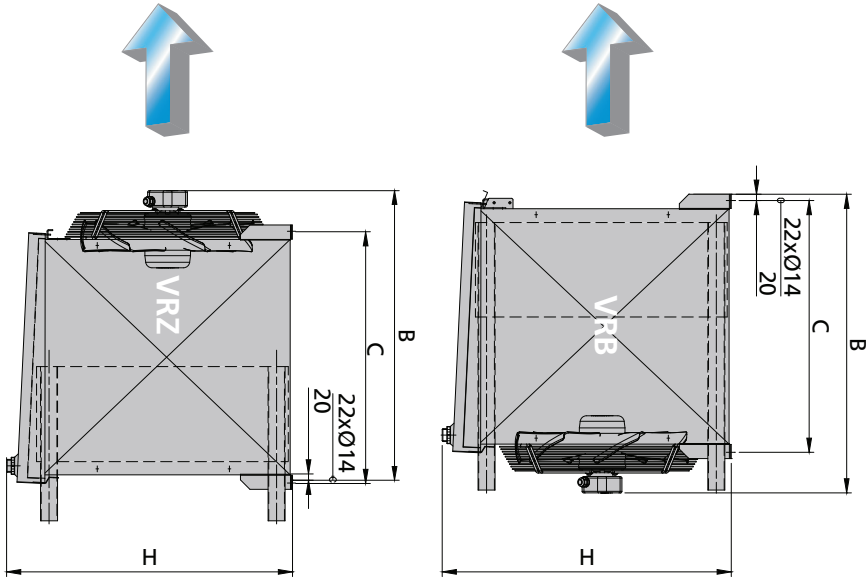
* = Sound pressure indication (LpA) at 3 m distance each air cooler (+/- 2 dB(A)), free field conditions, according EN13487

** = Air throw see remark page 5





For moisture carry over see remark pag 5

Capacities and air volumes with 60 Hz fans on request or in our GPC selection program available.

Goedhart VRB/VRZ Drawing












Goedhart VRB/VRZ Electrical defrost

| Type VC | Light defrost | | | | | | | | Heavy defrost* | | | | | | | | |
|-----------|--|-------------------------|-------|---|-------------------------|---------|-------|-----------------------|---|-------------------------|-------|---|-------------------------|---------|-------|-----------------------|-------|
| | Coil block  | | | Drip tray  | | | | Total each air cooler | Coil block  | | | Drip tray  | | | | Total each air cooler | |
| | Number | Type of heating element | Total | Number | Type of heating element | Tension | Total | | Number | Type of heating element | Total | Number | Type of heating element | Tension | Total | | |
| | n | mm | kW | n | mm | V | kW | | kW | n | mm | kW | n | mm | V | | kW |
| 1x | 3.1.40.f | 2 | 1900 | 1,52 | 1 | 2800 | 230 | 1,16 | 2,68 | 3 | 1900 | 2,28 | 2 | 2500 | 200 | 1,56 | 3,84 |
| | 4.1.40.f | 2 | 1900 | 1,52 | 1 | 2800 | 230 | 1,16 | 2,68 | 3 | 1900 | 2,28 | 2 | 2500 | 200 | 1,56 | 3,84 |
| | 6.1.40.f | 2 | 1900 | 1,52 | 1 | 2800 | 230 | 1,16 | 2,68 | 4 | 1900 | 3,04 | 2 | 2500 | 200 | 1,56 | 4,6 |
| | 8.1.40.f | 3 | 1900 | 2,28 | 1 | 2800 | 230 | 1,16 | 3,44 | 6 | 1900 | 4,56 | 2 | 2500 | 200 | 1,56 | 6,12 |
| | 1.1.40.f | 3 | 1900 | 2,28 | 1 | 3100 | 230 | 1,29 | 3,57 | 6 | 1900 | 4,56 | 2 | 2500 | 200 | 1,56 | 6,12 |
| | 3.1.45.f | 2 | 2200 | 1,78 | 1 | 3100 | 230 | 1,29 | 3,07 | 3 | 2200 | 2,67 | 2 | 2800 | 200 | 1,76 | 4,43 |
| | 4.1.45.f | 2 | 2200 | 1,78 | 1 | 3100 | 230 | 1,29 | 3,07 | 3 | 2200 | 2,67 | 2 | 2800 | 200 | 1,76 | 4,43 |
| | 6.1.45.f | 3 | 2200 | 2,67 | 1 | 3100 | 230 | 1,29 | 3,96 | 4 | 2200 | 3,56 | 2 | 2800 | 200 | 1,76 | 5,32 |
| | 8.1.45.f | 4 | 2200 | 3,56 | 1 | 3100 | 230 | 1,29 | 4,85 | 6 | 2200 | 5,34 | 2 | 2800 | 200 | 1,76 | 7,1 |
| | 1.1.45.f | 4 | 2200 | 3,56 | 1 | 3400 | 230 | 1,42 | 4,98 | 6 | 2200 | 5,34 | 2 | 2800 | 200 | 1,76 | 7,1 |
| | 3.1.50.f | 2 | 2500 | 2,04 | 1 | 3400 | 230 | 1,42 | 3,46 | 3 | 2500 | 3,06 | 2 | 3100 | 200 | 1,96 | 5,02 |
| | 4.1.50.f | 2 | 2500 | 2,04 | 1 | 3400 | 230 | 1,42 | 3,46 | 3 | 2500 | 3,06 | 2 | 3100 | 200 | 1,96 | 5,02 |
| | 6.1.50.f | 3 | 2500 | 3,06 | 1 | 3400 | 230 | 1,42 | 4,48 | 4 | 2500 | 4,08 | 2 | 3100 | 200 | 1,96 | 6,04 |
| | 8.1.50.f | 4 | 2500 | 4,08 | 1 | 3700 | 230 | 1,55 | 5,63 | 6 | 2500 | 6,12 | 2 | 3100 | 200 | 1,96 | 8,08 |
| | 1.1.50.f | 4 | 2500 | 4,08 | 2 | 3100 | 200 | 1,96 | 6,04 | 6 | 2500 | 6,12 | 2 | 3100 | 200 | 1,96 | 8,08 |
| | 3.1.56.f | 3 | 2800 | 3,48 | 1 | 3700 | 230 | 1,55 | 5,03 | 4 | 2800 | 4,64 | 2 | 3400 | 200 | 2,14 | 6,78 |
| | 4.1.56.f | 3 | 2800 | 3,48 | 1 | 3700 | 230 | 1,55 | 5,03 | 4 | 2800 | 4,64 | 2 | 3400 | 200 | 2,14 | 6,78 |
| | 6.1.56.f | 4 | 2800 | 4,64 | 1 | 3700 | 230 | 1,55 | 6,19 | 6 | 2800 | 6,96 | 2 | 3400 | 200 | 2,14 | 9,1 |
| | 8.1.56.f | 6 | 2800 | 6,96 | 2 | 3400 | 200 | 2,14 | 9,1 | 8 | 2800 | 9,28 | 2 | 3400 | 200 | 2,14 | 11,42 |
| | 1.1.56.f | 6 | 2800 | 6,96 | 2 | 3400 | 200 | 2,14 | 9,1 | 8 | 2800 | 9,28 | 2 | 3400 | 200 | 2,14 | 11,42 |
| | 3.1.63.f | 5 | 3100 | 6,45 | 1 | 4000 | 230 | 1,68 | 8,13 | 6 | 3100 | 7,74 | 2 | 3700 | 200 | 2,34 | 10,08 |
| | 4.1.63.f | 5 | 3100 | 6,45 | 1 | 4000 | 230 | 1,68 | 8,13 | 6 | 3100 | 7,74 | 2 | 3700 | 200 | 2,34 | 10,08 |
| | 6.1.63.f | 5 | 3100 | 6,45 | 1 | 4000 | 230 | 1,68 | 8,13 | 6 | 3100 | 7,74 | 2 | 3700 | 200 | 2,34 | 10,08 |
| | 8.1.63.f | 7 | 3100 | 9,03 | 2 | 3700 | 200 | 2,34 | 11,37 | 9 | 3100 | 11,61 | 2 | 3700 | 200 | 2,34 | 13,95 |
| | 1.1.63.f | 7 | 3100 | 9,03 | 2 | 3700 | 200 | 2,34 | 11,37 | 9 | 3100 | 11,61 | 2 | 3700 | 200 | 2,34 | 13,95 |
| 2x | 3.2.40.f | 2 | 3400 | 2,84 | 1 | 4300 | 230 | 1,81 | 4,65 | 3 | 3400 | 4,26 | 2 | 4000 | 200 | 2,54 | 6,8 |
| | 4.2.40.f | 2 | 3400 | 2,84 | 1 | 4300 | 230 | 1,81 | 4,65 | 3 | 3400 | 4,26 | 2 | 4000 | 200 | 2,54 | 6,8 |
| | 6.2.40.f | 2 | 3400 | 2,84 | 1 | 4300 | 230 | 1,81 | 4,65 | 4 | 3400 | 5,68 | 2 | 4000 | 200 | 2,54 | 8,22 |
| | 8.2.40.f | 3 | 3400 | 4,26 | 1 | 4300 | 230 | 1,81 | 6,07 | 6 | 3400 | 8,52 | 2 | 4000 | 200 | 2,54 | 11,06 |
| | 1.2.40.f | 3 | 3400 | 4,26 | 1 | 4600 | 230 | 1,94 | 6,2 | 6 | 3400 | 8,52 | 2 | 4000 | 200 | 2,54 | 11,06 |
| | 3.2.45.f | 2 | 3700 | 3,1 | 1 | 4600 | 230 | 1,94 | 5,04 | 3 | 3700 | 4,65 | 2 | 4300 | 200 | 2,74 | 7,39 |
| | 4.2.45.f | 2 | 3700 | 3,1 | 1 | 4600 | 230 | 1,94 | 5,04 | 3 | 3700 | 4,65 | 2 | 4300 | 200 | 2,74 | 7,39 |
| | 6.2.45.f | 3 | 3700 | 4,65 | 1 | 4600 | 230 | 1,94 | 6,59 | 4 | 3700 | 6,2 | 2 | 4300 | 200 | 2,74 | 8,94 |
| | 8.2.45.f | 4 | 3700 | 6,2 | 1 | 4600 | 230 | 1,94 | 8,14 | 6 | 3700 | 9,3 | 2 | 4300 | 200 | 2,74 | 12,04 |
| | 1.2.45.f | 4 | 3700 | 6,2 | 1 | 4900 | 230 | 2,07 | 8,27 | 6 | 3700 | 9,3 | 2 | 4300 | 200 | 2,74 | 12,04 |
| | 3.2.50.f | 2 | 4600 | 3,88 | 1 | 5500 | 230 | 2,13 | 6,01 | 3 | 4600 | 5,82 | 2 | 5200 | 200 | 3,34 | 9,16 |
| | 4.2.50.f | 2 | 4600 | 3,88 | 1 | 5500 | 230 | 2,13 | 6,01 | 3 | 4600 | 5,82 | 2 | 5200 | 200 | 3,34 | 9,16 |
| | 6.2.50.f | 3 | 4600 | 5,82 | 1 | 5500 | 230 | 2,13 | 7,95 | 4 | 4600 | 7,76 | 2 | 5200 | 200 | 3,34 | 11,1 |
| | 8.2.50.f | 4 | 4600 | 7,76 | 1 | 5500 | 230 | 2,13 | 9,89 | 6 | 4600 | 11,64 | 2 | 5200 | 200 | 3,34 | 14,98 |
| | 1.2.50.f | 4 | 4600 | 7,76 | 2 | 5200 | 200 | 3,34 | 11,1 | 6 | 4600 | 11,64 | 2 | 5200 | 200 | 3,34 | 14,98 |
| | 3.2.56.f | 3 | 4900 | 6,21 | 1 | 6100 | 230 | 2,6 | 8,81 | 4 | 4900 | 8,28 | 2 | 5500 | 200 | 3,52 | 11,8 |
| | 4.2.56.f | 3 | 4900 | 6,21 | 1 | 6100 | 230 | 2,6 | 8,81 | 4 | 4900 | 8,28 | 2 | 5500 | 200 | 3,52 | 11,8 |
| | 6.2.56.f | 4 | 4900 | 8,28 | 1 | 6100 | 230 | 2,6 | 10,88 | 6 | 4900 | 12,42 | 2 | 5500 | 200 | 3,52 | 15,94 |
| | 8.2.56.f | 6 | 4900 | 12,42 | 2 | 5500 | 200 | 3,52 | 15,94 | 8 | 4900 | 16,56 | 2 | 5500 | 200 | 3,52 | 20,08 |
| | 1.2.56.f | 6 | 4900 | 12,42 | 2 | 5500 | 200 | 3,52 | 15,94 | 8 | 4900 | 16,56 | 2 | 5500 | 200 | 3,52 | 20,08 |
| | 3.2.63.f | 5 | 5500 | 11,65 | 1 | 6400 | 230 | 2,76 | 14,41 | 6 | 5500 | 13,98 | 2 | 6100 | 200 | 3,92 | 17,9 |
| | 4.2.63.f | 5 | 5500 | 11,65 | 1 | 6400 | 230 | 2,76 | 14,41 | 6 | 5500 | 13,98 | 2 | 6100 | 200 | 3,92 | 17,9 |
| | 6.2.63.f | 5 | 5500 | 11,65 | 1 | 6400 | 230 | 2,76 | 14,41 | 6 | 5500 | 13,98 | 2 | 6100 | 200 | 3,92 | 17,9 |
| | 8.2.63.f | 7 | 5500 | 16,31 | 2 | 6100 | 200 | 3,92 | 20,23 | 9 | 5500 | 20,97 | 2 | 6100 | 200 | 3,92 | 24,89 |
| | 1.2.63.f | 7 | 5500 | 16,31 | 2 | 6100 | 200 | 3,92 | 20,23 | 9 | 5500 | 20,97 | 2 | 6100 | 200 | 3,92 | 24,89 |
| 3x | 3.3.45.f | 2 | 5500 | 4,66 | 1 | 6400 | 230 | 2,76 | 7,42 | 3 | 5500 | 6,99 | 2 | 6100 | 200 | 3,92 | 10,91 |
| | 4.3.45.f | 2 | 5500 | 4,66 | 1 | 6400 | 230 | 2,76 | 7,42 | 3 | 5500 | 6,99 | 2 | 6100 | 200 | 3,92 | 10,91 |
| | 6.3.45.f | 3 | 5500 | 6,99 | 1 | 6400 | 230 | 2,76 | 9,75 | 4 | 5500 | 9,32 | 2 | 6100 | 200 | 3,92 | 13,24 |
| | 8.3.45.f | 4 | 5500 | 9,32 | 1 | 6400 | 230 | 2,76 | 12,08 | 6 | 5500 | 13,98 | 2 | 6100 | 200 | 3,92 | 17,9 |
| | 1.3.45.f | 4 | 5500 | 9,32 | 1 | 6400 | 230 | 2,76 | 12,08 | 6 | 5500 | 13,98 | 2 | 6100 | 200 | 3,92 | 17,9 |
| | 3.3.50.f | 4 | 3400 | 5,68 | 2 | 3700 | 200 | 2,34 | 8,02 | 6 | 3400 | 8,52 | 4 | 3700 | 200 | 4,68 | 13,2 |
| | 4.3.50.f | 4 | 3400 | 5,68 | 2 | 3700 | 200 | 2,34 | 8,02 | 6 | 3400 | 8,52 | 4 | 3700 | 200 | 4,68 | 13,2 |
| | 6.3.50.f | 6 | 3400 | 8,52 | 2 | 3700 | 200 | 2,34 | 10,86 | 8 | 3400 | 11,36 | 4 | 3700 | 200 | 4,68 | 16,04 |
| | 8.3.50.f | 8 | 3400 | 11,36 | 2 | 3700 | 200 | 2,34 | 13,7 | 12 | 3400 | 17,04 | 4 | 3700 | 200 | 4,68 | 21,72 |
| | 1.3.50.f | 8 | 3400 | 11,36 | 4 | 3700 | 200 | 4,68 | 16,04 | 12 | 3400 | 17,04 | 4 | 3700 | 200 | 4,68 | 21,72 |
| | 3.3.56.f | 6 | 3700 | 9,3 | 2 | 4000 | 200 | 2,54 | 11,84 | 8 | 3700 | 12,4 | 4 | 4000 | 200 | 5,08 | 17,48 |
| | 4.3.56.f | 6 | 3700 | 9,3 | 2 | 4000 | 200 | 2,54 | 11,84 | 8 | 3700 | 12,4 | 4 | 4000 | 200 | 5,08 | 17,48 |
| | 6.3.56.f | 8 | 3700 | 12,4 | 2 | 4000 | 200 | 2,54 | 14,94 | 12 | 3700 | 18,6 | 4 | 4000 | 200 | 5,08 | 23,68 |
| | 8.3.56.f | 12 | 3700 | 18,6 | 4 | 4000 | 200 | 5,08 | 23,68 | 16 | 3700 | 24,8 | 4 | 4000 | 200 | 5,08 | 29,88 |
| | 1.3.56.f | 12 | 3700 | 18,6 | 4 | 4000 | 200 | 5,08 | 23,68 | 16 | 3700 | 24,8 | 4 | 4000 | 200 | 5,08 | 29,88 |
| | 3.3.63.f | 10 | 4000 | 16,8 | 2 | 4300 | 200 | 2,74 | 19,54 | 12 | 4000 | 20,16 | 4 | 4300 | 200 | 5,48 | 25,64 |
| | 4.3.63.f | 10 | 4000 | 16,8 | 2 | 4300 | 200 | 2,74 | 19,54 | 12 | 4000 | 20,16 | 4 | 4300 | 200 | 5,48 | 25,64 |
| | 6.3.63.f | 10 | 4000 | 16,8 | 2 | 4300 | 200 | 2,74 | 19,54 | 12 | 4000 | 20,16 | 4 | 4300 | 200 | 5,48 | 25,64 |
| | 8.3.63.f | 14 | 4000 | 23,52 | 4 | 4300 | 200 | 5,48 | 29 | 18 | 4000 | 30,24 | 4 | 4300 | 200 | 5,48 | 35,72 |
| | 1.3.63.f | 14 | 4000 | 23,52 | 4 | 4300 | 200 | 5,48 | 29 | 18 | 4000 | 30,24 | 4 | 4300 | 200 | 5,48 | 35,72 |

f = Fin spacing

* = Always heavy electric defrost when using cooling mediums..

Goedhart VRB/VRZ Electrical defrost

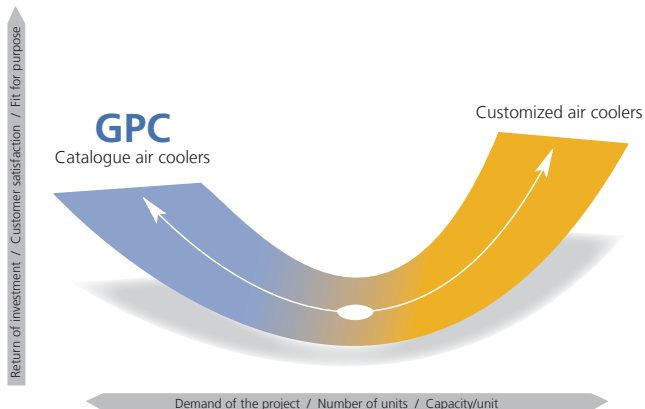
| Type VC | Light defrost | | | | | | | | Heavy defrost* | | | | | | | | |
|---|--|-------------------------|-------|---|-------------------------|---------|-------|-----------------------|---|-------------------------|-------|---|-------------------------|---------|-------|-----------------------|-------|
| | Coil block  | | | Drip tray  | | | | Total each air cooler | Coil block  | | | Drip tray  | | | | Total each air cooler | |
| | Number | Type of heating element | Total | Number | Type of heating element | Tension | Total | | Number | Type of heating element | Total | Number | Type of heating element | Tension | Total | | |
| | n | mm | kW | n | mm | V | kW | kW | n | mm | kW | n | mm | V | kW | kW | |
| 4x  | 3.4.45.f | 4 | 3400 | 5,68 | 2 | 4000 | 200 | 2,54 | 8,22 | 6 | 3400 | 8,52 | 4 | 4000 | 200 | 5,08 | 13,6 |
| | 4.4.45.f | 4 | 3400 | 5,68 | 2 | 4000 | 200 | 2,54 | 8,22 | 6 | 3400 | 8,52 | 4 | 4000 | 200 | 5,08 | 13,6 |
| | 6.4.45.f | 6 | 3400 | 8,52 | 2 | 4000 | 200 | 2,54 | 11,06 | 8 | 3400 | 11,36 | 4 | 4000 | 200 | 5,08 | 16,44 |
| | 8.4.45.f | 8 | 3400 | 11,36 | 2 | 4000 | 200 | 2,54 | 13,9 | 12 | 3400 | 17,04 | 4 | 4000 | 200 | 5,08 | 22,12 |
| | 1.4.45.f | 8 | 3400 | 11,36 | 4 | 4000 | 200 | 5,08 | 16,44 | 12 | 3400 | 17,04 | 4 | 4000 | 200 | 5,08 | 22,12 |
| | 3.4.50.f | 4 | 4300 | 7,24 | 2 | 4600 | 200 | 2,92 | 10,16 | 6 | 4300 | 10,86 | 4 | 4600 | 200 | 5,84 | 16,7 |
| | 4.4.50.f | 4 | 4300 | 7,24 | 2 | 4600 | 200 | 2,92 | 10,16 | 6 | 4300 | 10,86 | 4 | 4600 | 200 | 5,84 | 16,7 |
| | 6.4.50.f | 6 | 4300 | 10,86 | 2 | 4600 | 200 | 2,92 | 13,78 | 8 | 4300 | 14,48 | 4 | 4600 | 200 | 5,84 | 20,32 |
| | 8.4.50.f | 8 | 4300 | 14,48 | 2 | 4600 | 200 | 2,92 | 17,4 | 12 | 4300 | 21,72 | 4 | 4600 | 200 | 5,84 | 27,56 |
| | 1.4.50.f | 8 | 4300 | 14,48 | 4 | 4600 | 200 | 5,84 | 20,32 | 12 | 4300 | 21,72 | 4 | 4600 | 200 | 5,84 | 27,56 |
| | 3.4.56.f | 6 | 4600 | 11,64 | 2 | 5200 | 200 | 3,34 | 14,98 | 8 | 4600 | 15,52 | 4 | 5200 | 200 | 6,68 | 22,2 |
| | 4.4.56.f | 6 | 4600 | 11,64 | 2 | 5200 | 200 | 3,34 | 14,98 | 8 | 4600 | 15,52 | 4 | 5200 | 200 | 6,68 | 22,2 |
| | 6.4.56.f | 8 | 4600 | 15,52 | 2 | 5200 | 200 | 3,34 | 18,86 | 12 | 4600 | 23,28 | 4 | 5200 | 200 | 6,68 | 29,96 |
| | 8.4.56.f | 12 | 4600 | 23,28 | 4 | 5200 | 200 | 6,68 | 29,96 | 16 | 4600 | 31,04 | 4 | 5200 | 200 | 6,68 | 37,72 |
| 5x  | 1.4.56.f | 12 | 4600 | 23,28 | 4 | 5200 | 200 | 6,68 | 29,96 | 16 | 4600 | 31,04 | 4 | 5200 | 200 | 6,68 | 37,72 |
| | 3.4.63.f | 10 | 5200 | 22 | 2 | 5500 | 200 | 3,52 | 25,52 | 12 | 5200 | 26,4 | 4 | 5500 | 200 | 7,04 | 33,44 |
| | 4.4.63.f | 10 | 5200 | 22 | 2 | 5500 | 200 | 3,52 | 25,52 | 12 | 5200 | 26,4 | 4 | 5500 | 200 | 7,04 | 33,44 |
| | 6.4.63.f | 10 | 5200 | 22 | 2 | 5500 | 200 | 3,52 | 25,52 | 12 | 5200 | 26,4 | 4 | 5500 | 200 | 7,04 | 33,44 |
| | 8.4.63.f | 14 | 5200 | 30,8 | 4 | 5500 | 200 | 7,04 | 37,84 | 18 | 5200 | 39,6 | 4 | 5500 | 200 | 7,04 | 46,64 |
| | 1.4.63.f | 14 | 5200 | 30,8 | 4 | 5500 | 200 | 7,04 | 37,84 | 18 | 5200 | 39,6 | 4 | 5500 | 200 | 7,04 | 46,64 |
| | 3.5.45.f | 4 | 4300 | 7,24 | 2 | 4600 | 200 | 2,92 | 10,16 | 6 | 4300 | 10,86 | 4 | 4600 | 200 | 5,84 | 16,7 |
| | 4.5.45.f | 4 | 4300 | 7,24 | 2 | 4600 | 200 | 2,92 | 10,16 | 6 | 4300 | 10,86 | 4 | 4600 | 200 | 5,84 | 16,7 |
| | 6.5.45.f | 6 | 4300 | 10,86 | 2 | 4600 | 200 | 2,92 | 13,78 | 8 | 4300 | 14,48 | 4 | 4600 | 200 | 5,84 | 20,32 |
| | 8.5.45.f | 8 | 4300 | 14,48 | 2 | 4600 | 200 | 2,92 | 17,4 | 12 | 4300 | 21,72 | 4 | 4600 | 200 | 5,84 | 27,56 |
| | 1.5.45.f | 8 | 4300 | 14,48 | 4 | 4600 | 200 | 5,84 | 20,32 | 12 | 4300 | 21,72 | 4 | 4600 | 200 | 5,84 | 27,56 |
| | 3.5.50.f | 4 | 5200 | 8,8 | 2 | 5500 | 200 | 3,52 | 12,32 | 6 | 5200 | 13,2 | 4 | 5500 | 200 | 7,04 | 20,24 |
| | 4.5.50.f | 4 | 5200 | 8,8 | 2 | 5500 | 200 | 3,52 | 12,32 | 6 | 5200 | 13,2 | 4 | 5500 | 200 | 7,04 | 20,24 |
| | 6.5.50.f | 6 | 5200 | 13,2 | 2 | 5500 | 200 | 3,52 | 16,72 | 8 | 5200 | 17,6 | 4 | 5500 | 200 | 7,04 | 24,64 |
| 8.5.50.f | 8 | 5200 | 17,6 | 2 | 5500 | 200 | 3,52 | 21,12 | 12 | 5200 | 26,4 | 4 | 5500 | 200 | 7,04 | 33,44 | |
| 6x  | 1.5.50.f | 8 | 5200 | 17,6 | 4 | 5500 | 200 | 7,04 | 24,64 | 12 | 5200 | 26,4 | 4 | 5500 | 200 | 7,04 | 33,44 |
| | 3.5.63.f | 10 | 6400 | 27,6 | 2 | 6700 | 200 | 4,38 | 31,98 | 12 | 6400 | 33,12 | 4 | 6700 | 200 | 8,76 | 41,86 |
| | 4.5.63.f | 10 | 6400 | 27,6 | 2 | 6700 | 200 | 4,38 | 31,98 | 12 | 6400 | 33,12 | 4 | 6700 | 200 | 8,76 | 41,86 |
| | 6.5.63.f | 10 | 6400 | 27,6 | 2 | 6700 | 200 | 4,38 | 31,98 | 12 | 6400 | 33,12 | 4 | 6700 | 200 | 8,76 | 41,86 |
| | 8.5.63.f | 14 | 6400 | 38,6 | 4 | 6700 | 200 | 8,76 | 47,36 | 18 | 6400 | 49,68 | 4 | 6700 | 200 | 8,76 | 58,46 |
| | 1.5.63.f | 14 | 6400 | 38,6 | 4 | 6700 | 200 | 8,76 | 47,36 | 18 | 6400 | 49,68 | 4 | 6700 | 200 | 8,76 | 58,46 |
| | 3.6.45.f | 4 | 5200 | 8,8 | 2 | 5500 | 200 | 3,52 | 12,32 | 6 | 5200 | 13,2 | 4 | 5500 | 200 | 7,04 | 20,24 |
| | 4.6.45.f | 4 | 5200 | 8,8 | 2 | 5500 | 200 | 3,52 | 12,32 | 6 | 5200 | 13,2 | 4 | 5500 | 200 | 7,04 | 20,24 |
| | 6.6.45.f | 6 | 5200 | 13,2 | 2 | 5500 | 200 | 3,52 | 16,72 | 8 | 5200 | 17,6 | 4 | 5500 | 200 | 7,04 | 24,64 |
| | 8.6.45.f | 8 | 5200 | 17,6 | 2 | 5500 | 200 | 3,52 | 21,12 | 12 | 5200 | 26,4 | 4 | 5500 | 200 | 7,04 | 33,44 |
| | 1.6.45.f | 8 | 5200 | 17,6 | 4 | 5500 | 200 | 7,04 | 24,64 | 12 | 5200 | 26,4 | 4 | 5500 | 200 | 7,04 | 33,44 |
| | 3.6.50.f | 4 | 6100 | 10,4 | 2 | 6400 | 200 | 4,16 | 14,56 | 6 | 6100 | 15,6 | 4 | 6400 | 200 | 8,32 | 23,92 |
| | 4.6.50.f | 4 | 6100 | 10,4 | 2 | 6400 | 200 | 4,16 | 14,56 | 6 | 6100 | 15,6 | 4 | 6400 | 200 | 8,32 | 23,92 |
| | 6.6.50.f | 6 | 6100 | 15,6 | 2 | 6400 | 200 | 4,16 | 19,76 | 8 | 6100 | 20,8 | 4 | 6400 | 200 | 8,32 | 29,12 |
| 8.6.50.f | 8 | 6100 | 20,8 | 2 | 6400 | 200 | 4,16 | 24,96 | 12 | 6100 | 31,2 | 4 | 6400 | 200 | 8,32 | 39,52 | |
| 7x  | 1.6.50.f | 8 | 6100 | 20,8 | 4 | 6400 | 200 | 8,32 | 29,12 | 12 | 6100 | 31,2 | 4 | 6400 | 200 | 8,32 | 39,52 |
| | 3.6.63.f | 10 | 7600 | 33,1 | 2 | 7900 | 200 | 5,26 | 38,36 | 12 | 7600 | 39,7 | 4 | 7900 | 200 | 10,52 | 50,22 |
| | 4.6.63.f | 10 | 7600 | 33,1 | 2 | 7900 | 200 | 5,26 | 38,36 | 12 | 7600 | 39,7 | 4 | 7900 | 200 | 10,52 | 50,22 |
| | 6.6.63.f | 10 | 7600 | 33,1 | 2 | 7900 | 200 | 5,26 | 38,36 | 12 | 7600 | 39,7 | 4 | 7900 | 200 | 10,52 | 50,22 |
| | 8.6.63.f | 14 | 7600 | 46,3 | 4 | 7900 | 200 | 10,52 | 56,82 | 18 | 7600 | 59,6 | 4 | 7900 | 200 | 10,52 | 70,12 |
| | 1.6.63.f | 14 | 7600 | 46,3 | 4 | 7900 | 200 | 10,52 | 56,82 | 18 | 7600 | 59,6 | 4 | 7900 | 200 | 10,52 | 70,12 |
| | 3.7.45.f | 4 | 5800 | 9,84 | 2 | 6400 | 200 | 4,16 | 14,00 | 6 | 5800 | 14,76 | 4 | 6400 | 200 | 7,84 | 22,6 |
| | 4.7.45.f | 4 | 5800 | 9,84 | 2 | 6400 | 200 | 4,16 | 14,00 | 6 | 5800 | 14,76 | 4 | 6400 | 200 | 7,84 | 22,6 |
| | 6.7.45.f | 6 | 5800 | 14,76 | 2 | 6400 | 200 | 4,16 | 18,92 | 8 | 5800 | 19,68 | 4 | 6400 | 200 | 7,84 | 27,52 |
| | 8.7.45.f | 8 | 5800 | 19,68 | 2 | 6400 | 200 | 4,16 | 23,84 | 12 | 5800 | 29,52 | 4 | 6400 | 200 | 7,84 | 37,36 |
| | 1.7.45.f | 8 | 5800 | 19,68 | 4 | 6400 | 200 | 8,32 | 28,00 | 12 | 5800 | 29,52 | 4 | 6400 | 200 | 7,84 | 37,36 |
| | 3.7.63.f | 12 | 7300 | 38,0 | 2 | 7600 | 200 | 5,00 | 43,00 | 14 | 7300 | 44,4 | 4 | 7600 | 200 | 10,00 | 54,40 |
| | 4.7.63.f | 12 | 7300 | 38,0 | 2 | 7600 | 200 | 5,00 | 43,00 | 14 | 7300 | 44,4 | 4 | 7600 | 200 | 10,00 | 54,40 |
| | 6.7.63.f | 12 | 7300 | 38,0 | 2 | 7600 | 200 | 5,00 | 43,00 | 14 | 7300 | 44,4 | 4 | 7600 | 200 | 10,00 | 54,40 |
| 8.7.63.f | 16 | 7300 | 50,7 | 4 | 7600 | 200 | 10,00 | 60,70 | 18 | 7300 | 57,0 | 4 | 7600 | 200 | 10,00 | 67,00 | |
| 8x  | 1.7.63.f | 16 | 7300 | 50,7 | 4 | 7600 | 200 | 10,00 | 60,70 | 18 | 7300 | 57,0 | 4 | 7600 | 200 | 10,00 | 67,00 |
| | 3.8.45.f | 4 | 6700 | 11,56 | 2 | 7000 | 200 | 4,58 | 16,14 | 6 | 6700 | 17,34 | 4 | 7000 | 200 | 9,16 | 26,50 |
| | 4.8.45.f | 4 | 6700 | 11,56 | 2 | 7000 | 200 | 4,58 | 16,14 | 6 | 6700 | 17,34 | 4 | 7000 | 200 | 9,16 | 26,50 |
| | 6.8.45.f | 6 | 6700 | 17,34 | 2 | 7000 | 200 | 4,58 | 21,92 | 8 | 6700 | 23,12 | 4 | 7000 | 200 | 9,16 | 32,28 |
| | 8.8.45.f | 8 | 6700 | 23,12 | 2 | 7000 | 200 | 4,58 | 27,7 | 12 | 6700 | 34,68 | 4 | 7000 | 200 | 9,16 | 43,84 |
| | 1.8.45.f | 8 | 6700 | 23,12 | 4 | 7000 | 200 | 9,16 | 32,28 | 12 | 6700 | 34,68 | 4 | 7000 | 200 | 9,16 | 43,84 |

f = Fin spacing

* = Always heavy electric defrost when using cooling mediums.



Best of both worlds



One question which always is in the mind of an industrial refrigeration engineer is the following:
Do I ask for standard or shall I go for tailor made?

There are good reasons for both choices. In some cases, the solution needed is beyond the boundaries of the standard program. In other occasions, tailor made can even offer a more economical solution. In again other situations standard would be the logical choice to go for.

In any of the cases GEA Goedhart can offer you the right solution. With the standard selection software GPC finding the right heat exchanger is just a few mouse clicks away. On other cases the GEA Goedhart engineers are happy to help you out!

Goedhart GPC Program, your selection software for air coolers and air cooled condensers!

Goedhart VRB/VRZ air cooler selections are available in the Goedhart Product Catalogue or GPC.
On the tool section of www.goedhart.nl you will find the download button for the latest version of the GPC.

The GPC program is an easy to use tool for contractors, consultants and every other thinkable user and gives you access to many advantages such as:

- Multilingual
- The whole range of GEA Goedhart standard air coolers and air cooled condensers
- Pre-select buttons to application
- Selections including drawings and an extensive list of accessories
- Spare parts
- Accurate capacities: Under the GPC shell hides a sophisticated capacity calculation program which optimizes circuits to the design conditions as you work!



For Contractors and Original Equipment Manufacturers (OEM) related to the industrial refrigeration industry, GEA Goedhart B.V. offers an unlimited range of air coolers and air cooled condensers in several configurations.

Depending on the application, the optimum configuration will be selected in close cooperation with our customers.

Configurations

The following material combinations are available in various tube pitches and various fin spacing:

| Tube material | Fin material |
|------------------------------------|------------------------------------|
| Copper (Cu) | Aluminium (Al) |
| Stainless steel (Stst) | Aluminium (Al) |
| Stainless steel (Stst) | Stainless steel (Stst) |
| Aluminium (Al) | Aluminium (Al) |
| Hot dipped galvanized steel (FeZn) | Hot dipped galvanized steel (FeZn) |

Options on aluminium fins

- Goldlack coated fins
- Seawater resistant aluminium fins (AlMg)

Applications

| Cooling | Freezing |
|------------------------------------|------------------------------------|
| Cold stores / Distribution centres | Cold stores / Distribution centres |
| Food processing rooms | Tunnel / spiral freezers |
| Fruit storage | Slaughter houses |
| Banana ripening storage | Automotive testing rooms |
| Greenhouse conditioning | Ski domes |

Pressure Equipment Directive (P.E.D.)

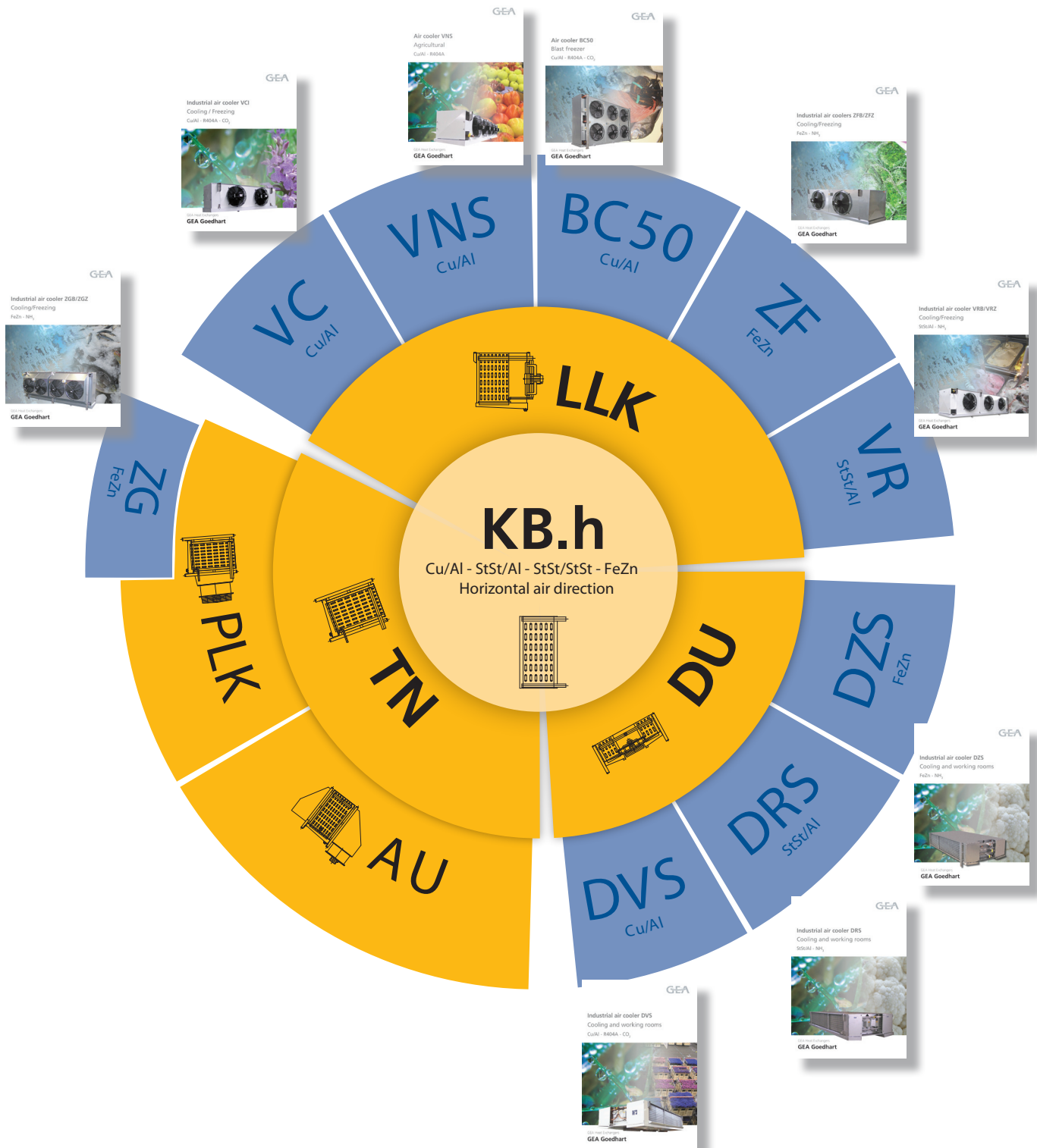
All aircoolers produced by Goedhart comply with the Pressure Equipment Directive 97/23/EC. PED certificates can be downloaded from www.goedhart.nl.

GEA Goedhart air coolers for every application



Goedhart industrial air coolers

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GEA Group is a global mechanical engineering company with multi-billion euro sales and operations in more than 50 countries. Founded in 1881 the company is one of the largest providers of innovative equipment and process technology. GEA Group is listed in the STOXX Europe 600 Index.



GEA Heat Exchangers

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