

# VXC

## Refrigerant condensers



### Key benefits

- Reliable
- Quiet
- Compact

#### VXC characteristics

- Counter flow, centrifugal fan, forced draft
- PED 2014/68/EU coil design

#### Capacity range

60 - 6920 kW  
(for single cell models, nominal R22 kW's)

#### Typical applications

- Tight enclosures and installations requiring a single air inlet
- Limited plan area installations
- Indoor installations
- Sound critical installations
- Dry operation in winter time



## Reliable operation guaranteed

- Since 1978, thousands globally installed, proving the VXC condenser **reliability**.
- Fans, motor and drive system (V-belt) are located in the **dry air**, preventing moisture and condensation. No external moving parts, helping it withstand the toughest weather.
- Various corrosion-resistant materials, including the unique [Baltibond hybrid coating](#) for guaranteed long service life.
- Optional extended surface coil with steel fins for **dry operation**.

## Ideal for a quiet operation

- VXC evaporative condensers include **quiet internal centrifugal fans** for minimal surrounding noise.
- Single-side air inlet, and a **quieter condenser rear** for more noise-sensitive areas.
- Cut operation noise still further with factory-designed and tested **sound attenuators** or silencers.

## More compact

- Compact design for **confined spaces**,
- Single-side air inlet lets you install **next to solid walls**,
- Units housable **indoors** thanks to centrifugal fans allowing intake or discharge ductwork.

## Reduced shipping, rigging and installation costs

- VXC units are **factory-assembled**. We ship larger models in 2 sections to reduce the size and weight of the heaviest section for **easy on-site assembly** with smaller cranes
- VXC offers high capacity and minimal operating weight. **Save on steel supports**, both underneath the equipment and in the building itself for rooftop installations.
- VXC-C models can be **container-shipped** (in 12' containers). Fan enclosures shippable loose in the condenser bottom section for easy on-site assembly.

Interested in the VXC condenser for your industrial refrigeration application? Contact your local [BAC representative](#) for more information.

## Downloads

- [VXC refrigerant condenser](#)
- [VXC Evaporative Condenser - brochure](#)
- [BAC condenser overview](#)
- [Operating and Maintenance VXC](#)
- [Rigging and Installation VXC](#)



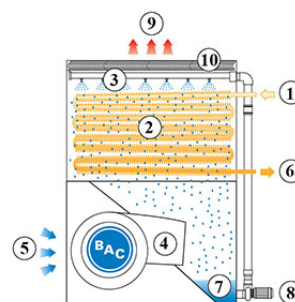
- [Spare Parts for VXC](#)
- [Retrofit Opportunities for VXC](#)

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## Refrigerant condensers

### Principle of operation

**Vapor (1)** enters through a **evaporative condensing coil (2)** and gets water sprayed on by the **spray system (3)** at the top of the condenser. At the same time the **centrifugal fan (4)**, located at the bottom of the unit, blows ambient **air (5)** upwards through the condenser. During operation, heat is transferred from the internal circuit coil to the water, and then to the atmosphere as a portion of the water that evaporates. The condensed vapor then **exits the unit (6)**. The **sump (7)** or basin collects the water. The spray water **pump (8)** recirculates the water up to the water spray system. The warm saturated **air (9)** leaves the condenser through the drift **eliminators (10)**, which remove water droplets from the air.



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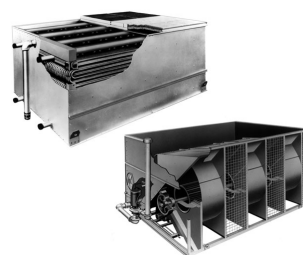
# VXC

## Refrigerant condensers

### Construction details

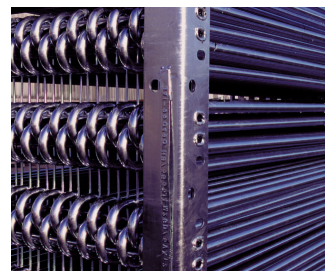
#### 1. Material options

- Heavy-gauge hot-dip galvanized steel is used for external unit steel panels and structural elements featuring [Baltiplus Corrosion Protection](#).
- The unique [Baltibond hybrid coating](#) is an optional extra. A hybrid polymer coating for longer service life, applied pre-assembly to all hot-dip galvanized steel components of the unit.
- Optional [stainless steel](#) panels and structural elements of type 304 or 316 for extreme applications.
- Or the economical alternative: a **water-contact stainless steel cold water basin**. Its key components and the basin itself are stainless steel. The rest is protected with the Baltibond hybrid coating.



## 2. Heat transfer media

- Our heat transfer media is a **condensing coil**. Its thermal performance is proven during comprehensive [lab thermal performance tests](#), and it offers you unrivalled system efficiency.
- The coil is constructed of continuous length of prime surface steel, hot-dip galvanized after fabrication. Designed for maximum 23 bar operating pressure according to PED. Pneumatically tested at 34 bar.
- All hot dip galvanized and stainless steel coils are delivered with BAC's **Internal Coil Corrosion Protection**, to ensure an optimal internal corrosion protection and guaranteed quality.



Try our VXC coil options:

- **Extended surface coils** with selected rows, finned at 3 to 5 fins per inch and hot-dip galvanized after fabrication, for dry operation during winter time.
- **Multiple circuit coils (split coils)** for your halo carbon refrigerants, maintaining individual compressor systems. Or use it for compressor jacket water or glycol cooling.
- **Stainless steel coils** are in type 304L or 316L.
- **High pressure coils** are designed for 28 bar operating pressure and pneumatically tested for 40 bar. Hot-dip galvanized after fabrication.

All coils are designed for low pressure drop with sloping tubes for free drainage of fluid.

### 3. Air movement system

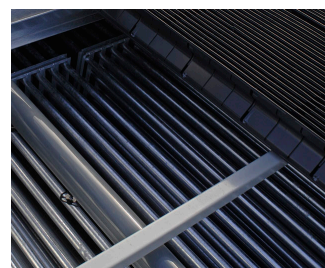
- With motor-driven centrifugal fan and a **V-belt drive**. You can easily remove the entire motor base for proper belt tensioning to ensure constantly correct belt alignment. Together with the **heavy duty fan shaft bearings** this guarantees optimal operational efficiency. Single- and multi speed available.
- **Centrifugal fan(s)** are forward-curved and nearly noiseless. Overcome external static pressure! Use [sound attenuators](#) and duct work etc. for air intake/discharge with no loss of thermal performance!
- **Our drift eliminators** come in UV-resistant plastic, which will not rot, decay or decompose and their performance is tested and **certified by Eurovent**. They are assembled in **easily handled and removable sections**, for optimal internal access.
- Steel eliminators, protected with the unique [Baltibond hybrid coating](#), for optimal corrosion protection, are also available for specific applications.



### 4. Water distribution system

These consist of:

- A **header** and **spray branches** with wide non-clog plastic **nozzles**, secured by rubber **grommets**. You can easily remove, clean and flush both nozzles and spray branches.
- A cold water basin with:
  - **strainers** which are easy to lift out and the anti-vortexing device also helps stop trapped air
  - mechanical **make up**
  - circular **access door**
- Close coupled, bronze fitted centrifugal **spray pump** with totally enclosed fan cooled (TEFC) motor. Bleed line with metering valve installed from pump discharge to overflow.



**Like to know more about the VXC construction details?** Contact your [local BAC representative](#).

# VXC

## Refrigerant condensers

### Options and accessories

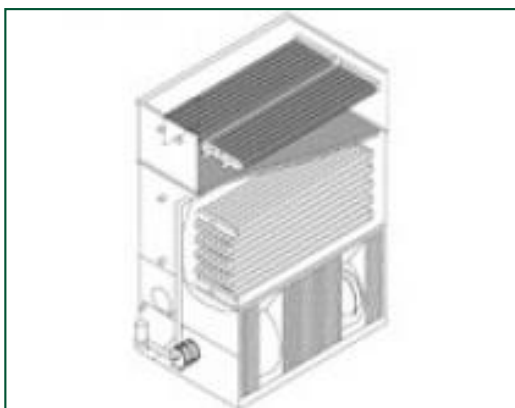
Below is a listing of the main VXC options and accessories. If your required option or accessory is not listed, look no further than your [local BAC representative](#).



#### Sound attenuation

Reducing noise at air intake and discharge points brings us closer to silent cooling equipment.

- For **light** sound reduction, ideal for **suburban** requirements, try the XA sound attenuation.
- The **medium** sound reductions attained through XB sound attenuation are perfect for **residential** sound requirements
- For **heavy** sound reductions, XC sound attenuation is the best option, ideal for **rural** sound requirements.



#### Desuperheater

**Boost capacity and reduce plume** of ammonia reciprocating compressor systems with a desuperheater.



## Baltiguard drive system

With this, operate your system like a dual-speed motor, but with standby reserve capacity **to cope with any failure.**



## Remote sump connection

The best way to **prevent a sump freezing** is to use the auxiliary remote variety within a heated area. Shutting off the circulating pump allows all the water in the water distribution, as well as that in suspension and the sump to drain freely to the auxiliary sump.



## Basin heater package

Thanks to our factory-installed heaters, the water stays at 4°C and **never freezes**, even during equipments downtime and however cold it gets outside.



## Electric water level control package

**For perfectly precise water level control**, replace the standard mechanical valve with our electrical water level controller.



## Platforms

To inspect and maintain from the top of the unit more **easily** and **safely**, platforms can be installed.



## Ladder, safety cage and handrail

A ladder, safety cage and handrails **all facilitate access to the top of the unit** and safe inspection of your condenser.



## Extended lubrication lines

Extended lubrication lines with easily accessible grease fittings can be used **to lubricate** fan shaft bearings.



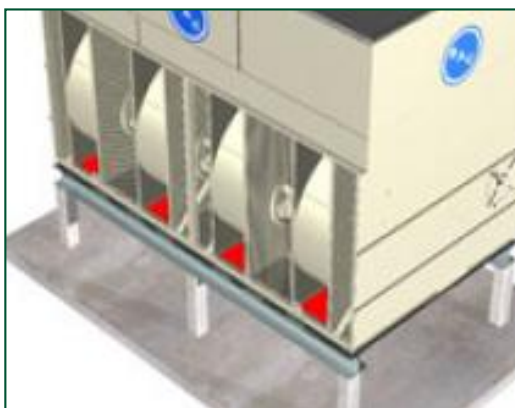
## Discharge hood

Discharge hoods **reduce the risk of re-circulation** in tight enclosures by increasing discharge air velocity, and can be used to elevate the unit discharge above adjacent walls to comply with layout guidelines.



## Safety switch

Cuts power to motors **with safety in mind** during inspection or maintenance.



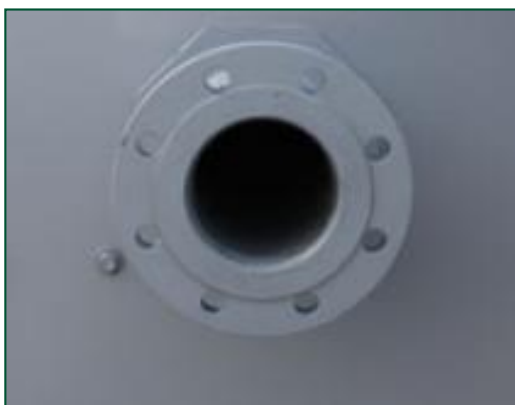
## Solid bottom panels

You need factory-installed bottom panels when intake air is ducted to the unit.



## Standby pump

Install a standby **reserve spray pump** as failure backup!



## Flanges

Flanges facilitate **piping connections** on-site.



## Water treatment equipment

Devices to control water treatment are needed to ensure proper **condenser water care**. Not only does this help protect the components, controlling corrosion, scaling and fouling, it also avoids the proliferation of harmful bacteria, including **legionella**, in the recirculating water.



## Filter

Separators and media filters efficiently **remove suspended solids** in the recirculating water, reducing system cleaning costs and optimizing water treatment results. Filtration helps you keep the recirculating water clean.



## Sump sweeper piping

Sump sweeper piping **prevents sediment collecting in the cold water basin** of the unit. A complete piping system, including nozzles, is installed in the basin of the condenser **for connection to side stream filtration** equipment.



## Clean out port

Clean out port **makes it easy to eliminate silt and sludge** from the condenser basin when cleaning and flushing the sump.



## Steel drift eliminators

Steel drift eliminators are more **robust** than plastic alternatives.



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## Refrigerant condensers

### Special needs?

Our ongoing [R&D](#) investment helps BAC offer you a complete set of solutions **for VXC evaporative condensers that meet your needs**. Plus, we also cater for extra requirements such as:

#### Sound control

VXC uses a centrifugal fan in a V-design enclosure for better sound-control.

**A quieter condenser rear** for more noise-sensitive areas.

Helping keep it near noiseless:

- [Sound attenuators](#)
- Baltiguard drive system

#### Plume control

Tap into abundant BAC plume control experience. For the VXC line, we offer [desuperheaters](#) with **reduced plume and extended dry operation periods**.

Check out our [BAC plume visualization software](#) for insight into **how your cooling equipment will plume** before installation. Helping you choose the best and most effective plume abatement solution.

## Water savings

You need water for evaporative cooling. At BAC, however, we offer acclaimed and advanced water saving technologies. Helping in this aim are:

- [Electric water level control package](#)
- [Water treatment equipment](#)
- [Sump sweeper piping](#)
- [Desuperheater](#)

## Energy saving

VXC uses evaporative cooling technology for lower operating temperatures than other cooling methods. With the following options, reduce energy costs still further:

- Baltiguard drive system
- Thermostat

## Enhanced hygiene and water care

Water circulates in evaporative condensers and it is important to avoid excessive accumulation of dissolved solids. The following options help keep your condenser clean:

- [Remote sump connection](#)
- [Water treatment equipment](#)
- [Sump sweeper piping](#)
- [Clean out port](#)
- [Filters](#)

To control biological growth and scale formation, the water quality of the circulated water should be checked regularly. [Water quality guidelines](#) can be found in the [Knowledge center](#) of the website.



## Year-round reliable operation

Inspect and maintain your condenser and protect it against extreme weather for year-round reliability. The options below help keep your condenser running smoothly and reliably and facilitate maintenance.

- [Remote sump connection](#)
- [Water treatment equipment](#)
- [Sump sweeper piping](#)
- [Clean out port](#)
- [Filters](#)
- [Electric water level control package](#)
- [Desuperheater](#)
- [Baltibond hybrid coating](#)

**Do you too want to benefit from the above solutions?** Contact your [local BAC representative](#) for more information.



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### Engineering data

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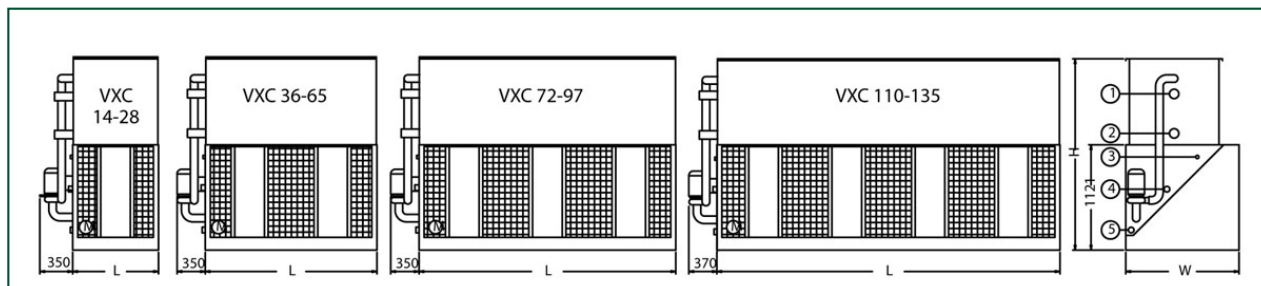
### General notes

1. Standard refrigerant connection sizes are ND 100 BSP MPT inlet and outlet (for models VXC 14 through 28 refrigerant connection sizes are ND 80 BSP MPT), consult your local BAC representative for size and location. Other connection sizes are available on special order. Refrigerant connections are standard bevelled for welding.
2. Make up, overflow, suction, drain connection and access door can be provided on side opposite to that shown; consult your BAC Balticare representative.
3. Unit height is indicative, for precise value refer to certified print.
4. Shipping/operating weights indicated are for units without accessories such as sound attenuators, discharge hoods, etc. Consult factory certified prints to obtain weight additions and the heaviest section to be lifted.
5. The drawing units with only one spray pump show the standard right hand arrangement has the air inlet side on the right when facing the connection end . Left hand can be furnished by special order.
6. Coil, overflow, make-up and spray water connections are always located on the same end of the unit. For double pump units an additional overflow connection will be installed on the other end of the unit.
7. On model VXC 14 through VXC 135 access doors are located at the opposite of the air inlet side, ensure sufficient space for entry when positioning these units.
8. For indoor applications of evaporative condensers, the room may be used as a plenum with ductwork attached to the discharge only. If inlet ductwork is required, an enclosed fan section must be specified; consult your BAC representative for details.
9. Fan kW is at 0 Pa ESP. To operate against external static pressure up to 125 Pa, increase each fan motor one size.
10. Refrigerant charge listed is R717 operating charge. To determine operating charge of R 22 refrigerant, multiply by: 1,93. For R134A, multiply by : 1.98.
11. For dry operation, standard motors must be increased one size to avoid motor overloading. Extended surface coils are available to vastly increase dry capacity without motor size increase. Consult your BAC Balticare Representative for selection and pricing.
12. Models VXC 357-454, VXC 562-380, VXC 495-516 and VXC 725-804 have only 1 coil casing section and one or two fan motors. Fan cycling results in only on-off operation. On these units all fans need to operate simultaneously.
13. Models VXC 714-907, VXC 1124-1360, VXC 990-1032 and VXC 1430-1608 have 2 coils casing sections and one or two fan motors per coil casing section. Fan cycling results in only on-off operation. On these units all

fans need to operate simultaneously per coil casing section.

**Last update:** 30/06/2019

## VXC 14-135



1. Refrigerant in ND100 (for VXi 14-28 ND80); 2. Refrigerant out ND100 (for VXi 14-28 ND80); 3. Make up; 4. Overflow; 5. Drain; 6. Access (models 14 thru 135 have access door at the back); For VXC 14 thru 135: make up ND25; overflow ND50; drain ND50.

| Model      | Weights (kg)            |                         |                             | Dimensions (mm) |      |      | Air Flow<br>(m³/s) | Fan Motor<br>(kW) | Water<br>Flow (l/s) | Pump<br>Motor<br>(kW) | R717<br>charge<br>(kg) |
|------------|-------------------------|-------------------------|-----------------------------|-----------------|------|------|--------------------|-------------------|---------------------|-----------------------|------------------------|
|            | Oper.<br>Weight<br>(kg) | Ship.<br>Weight(kg<br>) | Heaviest<br>Section<br>(kg) | L               | W    | H    |                    |                   |                     |                       |                        |
| VXC<br>14  | 660                     | 600                     | 580                         | 914             | 1207 | 2035 | 2.3                | (1x)<br>1.5       | 2.2                 | (1x)<br>0.25          | 9.0                    |
| VXC<br>18  | 740                     | 670                     | 660                         | 914             | 1207 | 2245 | 2.2                | (1x)<br>1.5       | 2.2                 | (1x)<br>0.25          | 11.0                   |
| VXC<br>25  | 830                     | 760                     | 480                         | 914             | 1207 | 2467 | 2.5                | (1x)<br>2.2       | 2.2                 | (1x)<br>0.25          | 15.0                   |
| VXC<br>28  | 900                     | 830                     | 540                         | 914             | 1207 | 2683 | 2.4                | (1x)<br>2.2       | 2.2                 | (1x)<br>0.25          | 19.0                   |
| VXC<br>36  | 1050                    | 920                     | 920                         | 1829            | 1207 | 2035 | 4.6                | (1x)<br>4.0       | 4.7                 | (1x)<br>0.37          | 16.0                   |
| VXC<br>45  | 1170                    | 1030                    | 1030                        | 1829            | 1207 | 2245 | 5.0                | (1x)<br>4.0       | 4.7                 | (1x)<br>0.37          | 20.0                   |
| VXC<br>52  | 1310                    | 1160                    | 700                         | 1829            | 1207 | 2467 | 4.8                | (1x)<br>4.0       | 4.7                 | (1x)<br>0.37          | 29.0                   |
| VXC<br>59  | 1330                    | 1180                    | 700                         | 1829            | 1207 | 2467 | 5.3                | (1x)<br>5.5       | 4.7                 | (1x)<br>0.37          | 29.0                   |
| VXC<br>65  | 1500                    | 1330                    | 860                         | 1829            | 1207 | 2683 | 5.5                | (1x)<br>5.5       | 4.7                 | (1x)<br>0.37          | 36.0                   |
| VXC<br>72  | 1810                    | 1490                    | 1000                        | 2737            | 1207 | 2578 | 5.8                | (1x)<br>4.0       | 7.1                 | (1x)<br>0.75          | 41.0                   |
| VXC<br>86  | 1820                    | 1500                    | 1000                        | 2737            | 1207 | 2578 | 7.5                | (1x)<br>7.5       | 7.1                 | (1x)<br>0.75          | 41.0                   |
| VXC<br>97  | 2080                    | 1730                    | 1200                        | 2737            | 1207 | 2813 | 7.1                | (1x)<br>7.5       | 7.1                 | (1x)<br>0.75          | 50.0                   |
| VXC<br>110 | 2240                    | 1800                    | 1200                        | 3658            | 1207 | 2578 | 10.4               | (1x)<br>7.5       | 9.5                 | (1x)<br>0.75          | 59.0                   |
| VXC<br>125 | 2510                    | 2050                    | 1440                        | 3658            | 1207 | 2813 | 9.9                | (1x)<br>7.5       | 9.5                 | (1x)<br>0.75          | 73.0                   |
| VXC<br>135 | 2540                    | 2080                    | 1440                        | 3658            | 1207 | 2813 | 10.9               | (1x)<br>11.0      | 9.5                 | (1x)<br>0.75          | 73.0                   |



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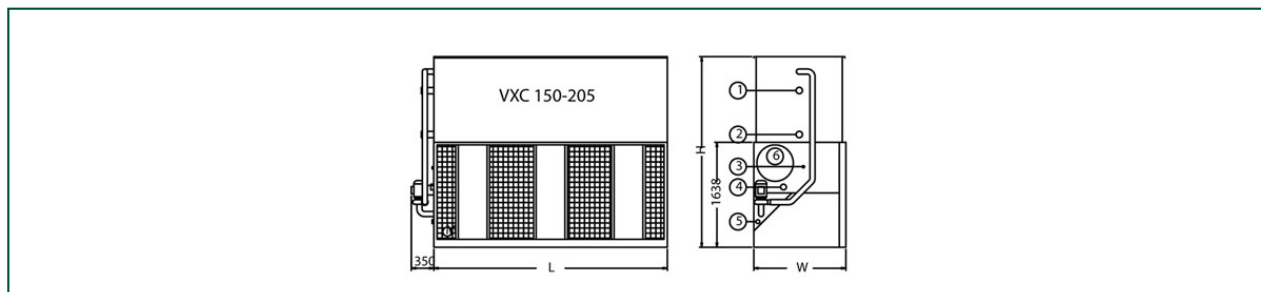
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5. The drawing units with only one spray pump show the standard right hand arrangement has the air inlet side on the right when facing the connection end. Left hand can be furnished by special order.
6. Coil, overflow, make-up and spray water connections are always located on the same end of the unit. For double pump units an additional overflow connection will be installed on the other end of the unit.
7. On model VXC 14 through VXC 135 access doors are located at the opposite of the air inlet side, ensure sufficient space for entry when positioning these units.
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9. Fan kW is at 0 Pa ESP. To operate against external static pressure up to 125 Pa, increase each fan motor one size.
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12. Models VXC 357-454, VXC 562-380, VXC 495-516 and VXC 725-804 have only 1 coil casing section and one or two fan motors. Fan cycling results in only on-off operation. On these units all fans need to operate simultaneously.
13. Models VXC 714-907, VXC 1124-1360, VXC 990-1032 and VXC 1430-1608 have 2 coils casing sections and one or two fan motors per coil casing section. Fan cycling results in only on-off operation. On these units all

fans need to operate simultaneously per coil casing section.

**Last update:** 30/06/2019

## VXC 150-205



1. Refrigerant in ND100; 2. Refrigerant out ND100; 3. Make up; 4. Overflow; 5. Drain; 6. Access; For VXC 150 thru 265; make up ND50; overflow ND80, drain ND50.



| Model      | Weights (kg)            |                         |                             | Dimensions (mm) |      |      | Air Flow<br>(m³/s) | Fan Motor<br>(kW) | Water<br>Flow (l/s) | Pump<br>Motor<br>(kW) | R717<br>charge<br>(kg) |
|------------|-------------------------|-------------------------|-----------------------------|-----------------|------|------|--------------------|-------------------|---------------------|-----------------------|------------------------|
|            | Oper.<br>Weight<br>(kg) | Ship.<br>Weight(kg<br>) | Heaviest<br>Section<br>(kg) | L               | W    | H    |                    |                   |                     |                       |                        |
| VXC<br>150 | 3210                    | 2640                    | 1720                        | 3645            | 1438 | 3093 | 13.3               | (1x)<br>7.5       | 13.9                | (1x)<br>1.5           | 77.0                   |
| VXC<br>166 | 3240                    | 2670                    | 1720                        | 3645            | 1438 | 3093 | 15.8               | (1x)<br>11.0      | 13.9                | (1x)<br>1.5           | 77.0                   |
| VXC<br>185 | 3670                    | 2950                    | 1980                        | 3645            | 1438 | 3328 | 15.7               | (1x)<br>11.0      | 13.9                | (1x)<br>1.5           | 104.0                  |
| VXC<br>205 | 3980                    | 3255                    | 2240                        | 3645            | 1438 | 3563 | 16.9               | (1x)<br>15.0      | 13.9                | (1x)<br>1.5           | 111.0                  |



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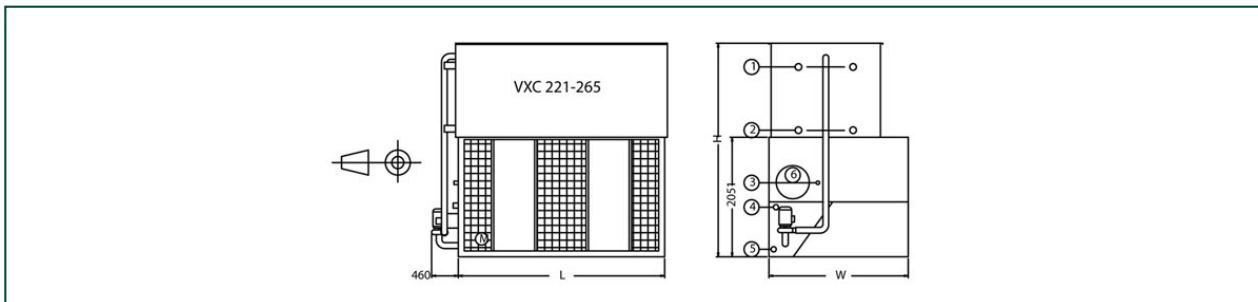
### General notes

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fans need to operate simultaneously per coil casing section.

**Last update:** 30/06/2019

## VXC 221-265



1. Refrigerant in ND100; 2. Refrigerant out ND100; 3. Make up; 4. Overflow; 5. Drain; 6. Access; For VXC 150 thru 265: make up ND50; overflow ND80, drain ND50.



| Model      | Weights (kg)            |                         |                             | Dimensions (mm) |      |      | Air Flow<br>(m³/s) | Fan Motor<br>(kW) | Water<br>Flow (l/s) | Pump<br>Motor<br>(kW) | R717<br>charge<br>(kg) |
|------------|-------------------------|-------------------------|-----------------------------|-----------------|------|------|--------------------|-------------------|---------------------|-----------------------|------------------------|
|            | Oper.<br>Weight<br>(kg) | Ship.<br>Weight(kg<br>) | Heaviest<br>Section<br>(kg) | L               | W    | H    |                    |                   |                     |                       |                        |
| VXC<br>221 | 5860                    | 4250                    | 2630                        | 3550            | 2397 | 3585 | 20.8               | (1x)<br>15.0      | 19.2                | (1x)<br>2.2           | 118.0                  |
| VXC<br>250 | 6390                    | 4770                    | 3150                        | 3550            | 2397 | 3820 | 21.2               | (1x)<br>15.0      | 19.2                | (1x)<br>2.2           | 146.0                  |
| VXC<br>265 | 6435                    | 4815                    | 3150                        | 3550            | 2397 | 3820 | 22.7               | (1x)<br>18.5      | 19.2                | (1x)<br>2.2           | 146.0                  |



# VXC

## Refrigerant condensers

### Engineering data

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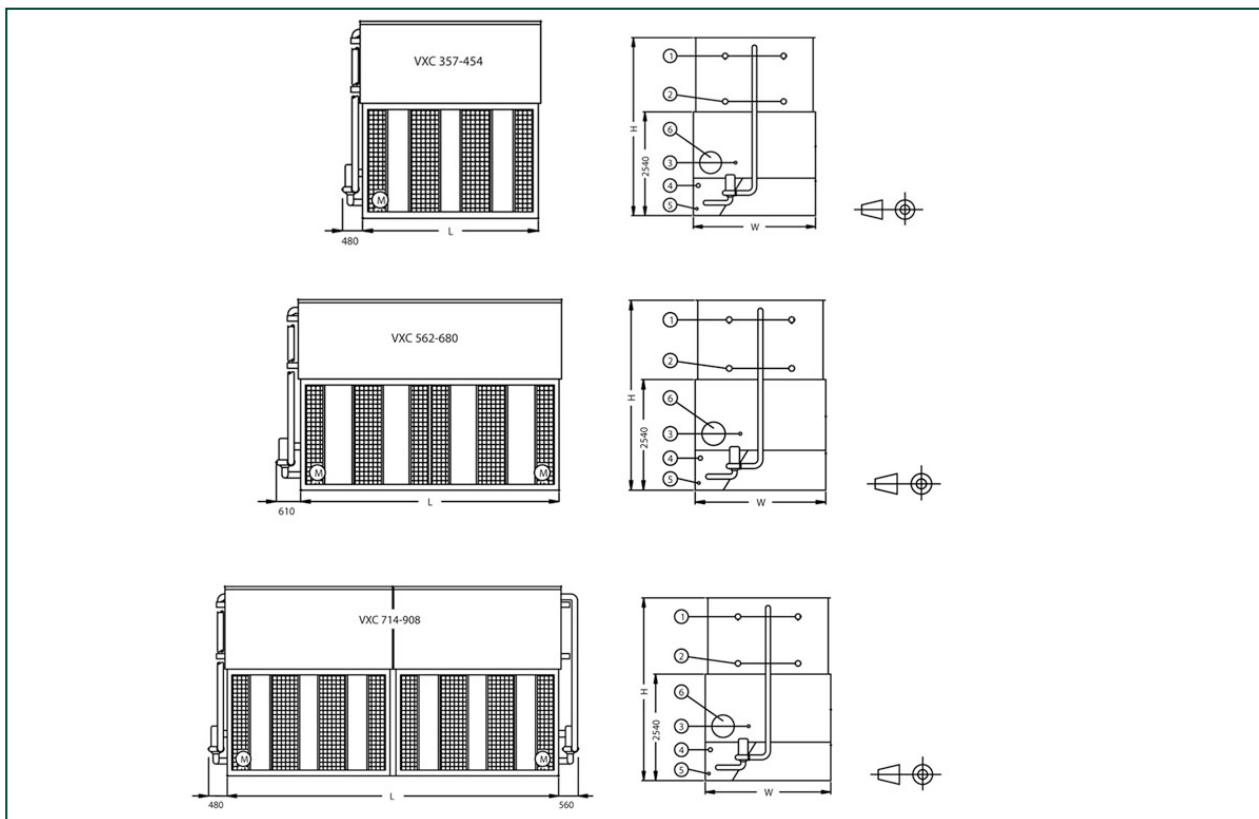
### General notes

1. Standard refrigerant connection sizes are ND 100 BSP MPT inlet and outlet (for models VXC 14 through 28 refrigerant connection sizes are ND 80 BSP MPT), consult your local BAC representative for size and location. Other connection sizes are available on special order. Refrigerant connections are standard bevelled for welding.
2. Make up, overflow, suction, drain connection and access door can be provided on side opposite to that shown; consult your BAC Balticare representative.
3. Unit height is indicative, for precise value refer to certified print.
4. Shipping/operating weights indicated are for units without accessories such as sound attenuators, discharge hoods, etc. Consult factory certified prints to obtain weight additions and the heaviest section to be lifted.
5. The drawing units with only one spray pump show the standard right hand arrangement has the air inlet side on the right when facing the connection end. Left hand can be furnished by special order.
6. Coil, overflow, make-up and spray water connections are always located on the same end of the unit. For double pump units an additional overflow connection will be installed on the other end of the unit.
7. On model VXC 14 through VXC 135 access doors are located at the opposite of the air inlet side, ensure sufficient space for entry when positioning these units.
8. For indoor applications of evaporative condensers, the room may be used as a plenum with ductwork attached to the discharge only. If inlet ductwork is required, an enclosed fan section must be specified; consult your BAC representative for details.
9. Fan kW is at 0 Pa ESP. To operate against external static pressure up to 125 Pa, increase each fan motor one size.
10. Refrigerant charge listed is R717 operating charge. To determine operating charge of R 22 refrigerant, multiply by: 1.93. For R134A, multiply by : 1.98.
11. For dry operation, standard motors must be increased one size to avoid motor overloading. Extended surface coils are available to vastly increase dry capacity without motor size increase. Consult your BAC Balticare Representative for selection and pricing.
12. Models VXC 357-454, VXC 562-380, VXC 495-516 and VXC 725-804 have only 1 coil casing section and one or two fan motors. Fan cycling results in only on-off operation. On these units all fans need to operate simultaneously.
13. Models VXC 714-907, VXC 1124-1360, VXC 990-1032 and VXC 1430-1608 have 2 coils casing sections and one or two fan motors per coil casing section. Fan cycling results in only on-off operation. On these units all

fans need to operate simultaneously per coil casing section.

Last update: 30/06/2019

## VXC 357-399-454-562-620-680-714-798-908-1124-1240-1360



1. Refrigerant in ND100; 2. Refrigerant out ND100; 3. Make up; 4. Overflow ND80; 5. Drain ND50; 6. Acces; For VXC 1124 thru 1360: make up ND80.

1. Refrigerant in ND100; 2. Refrigerant out ND100; 3. Make up; 4. Overflow ND80; 5. Drain ND50; 6. Acces; For VXC 357 thru 908: make up ND50.

| Model       | Weights (kg)            |                         |                             | Dimensions (mm) |      |      | Air Flow<br>(m³/s) | Fan Motor<br>(kW) | Water<br>Flow (l/s) | Pump<br>Motor<br>(kW) | R717<br>charge<br>(kg) |
|-------------|-------------------------|-------------------------|-----------------------------|-----------------|------|------|--------------------|-------------------|---------------------|-----------------------|------------------------|
|             | Oper.<br>Weight<br>(kg) | Ship.<br>Weight(kg<br>) | Heaviest<br>Section<br>(kg) | L               | W    | H    |                    |                   |                     |                       |                        |
| VXC<br>357  | 6940                    | 5300                    | 3940                        | 3550            | 3000 | 4075 | 34.3               | (1x)<br>22.0      | 30.8                | (1x)<br>4.0           | 180.0                  |
| VXC<br>399  | 8290                    | 6600                    | 4730                        | 3550            | 3000 | 4310 | 31.6               | (1x)<br>22.0      | 30.8                | (1x)<br>4.0           | 218.0                  |
| VXC<br>454  | 9580                    | 7860                    | 5510                        | 3550            | 3000 | 4545 | 34.4               | (1x)<br>30.0      | 30.8                | (1x)<br>4.0           | 250.0                  |
| VXC<br>562  | 11490                   | 8990                    | 5810                        | 5388            | 3000 | 4075 | 51.2               | (2x)<br>18.5      | 46.7                | (1x)<br>4.0           | 250.0                  |
| VXC<br>620  | 12680                   | 10200                   | 7010                        | 5388            | 3000 | 4310 | 50.0               | (2x)<br>18.5      | 46.7                | (1x)<br>4.0           | 350.0                  |
| VXC<br>680  | 14100                   | 11530                   | 8200                        | 5388            | 3000 | 4545 | 52.0               | (2x)<br>22.0      | 46.7                | (1x)<br>4.0           | 390.0                  |
| VXC<br>714  | 14430                   | 10600                   | 3940                        | 7226            | 3000 | 4075 | 68.6               | (2x)<br>22.0      | 61.6                | (2x)<br>4.0           | 360.0                  |
| VXC<br>798  | 16590                   | 13200                   | 4730                        | 7226            | 3000 | 4310 | 63.2               | (2x)<br>22.0      | 61.6                | (2x)<br>4.0           | 436.0                  |
| VXC<br>908  | 19140                   | 15700                   | 5510                        | 7226            | 3000 | 4545 | 68.8               | (2x)<br>30.0      | 61.6                | (2x)<br>4.0           | 500.0                  |
| VXC<br>1124 | 22740                   | 17940                   | 5810                        | 10903           | 3000 | 4075 | 102.4              | (4x)<br>18.5      | 93.4                | (2x)<br>4.0           | 500.0                  |
| VXC<br>1240 | 25240                   | 20380                   | 7010                        | 10903           | 3000 | 4310 | 100.1              | (4x)<br>18.5      | 93.4                | (2x)<br>4.0           | 700.0                  |
| VXC<br>1360 | 28090                   | 23100                   | 8200                        | 10903           | 3000 | 4545 | 104.0              | (4x)<br>22.0      | 93.4                | (2x)<br>4.0           | 780.0                  |



# VXC

## Refrigerant condensers

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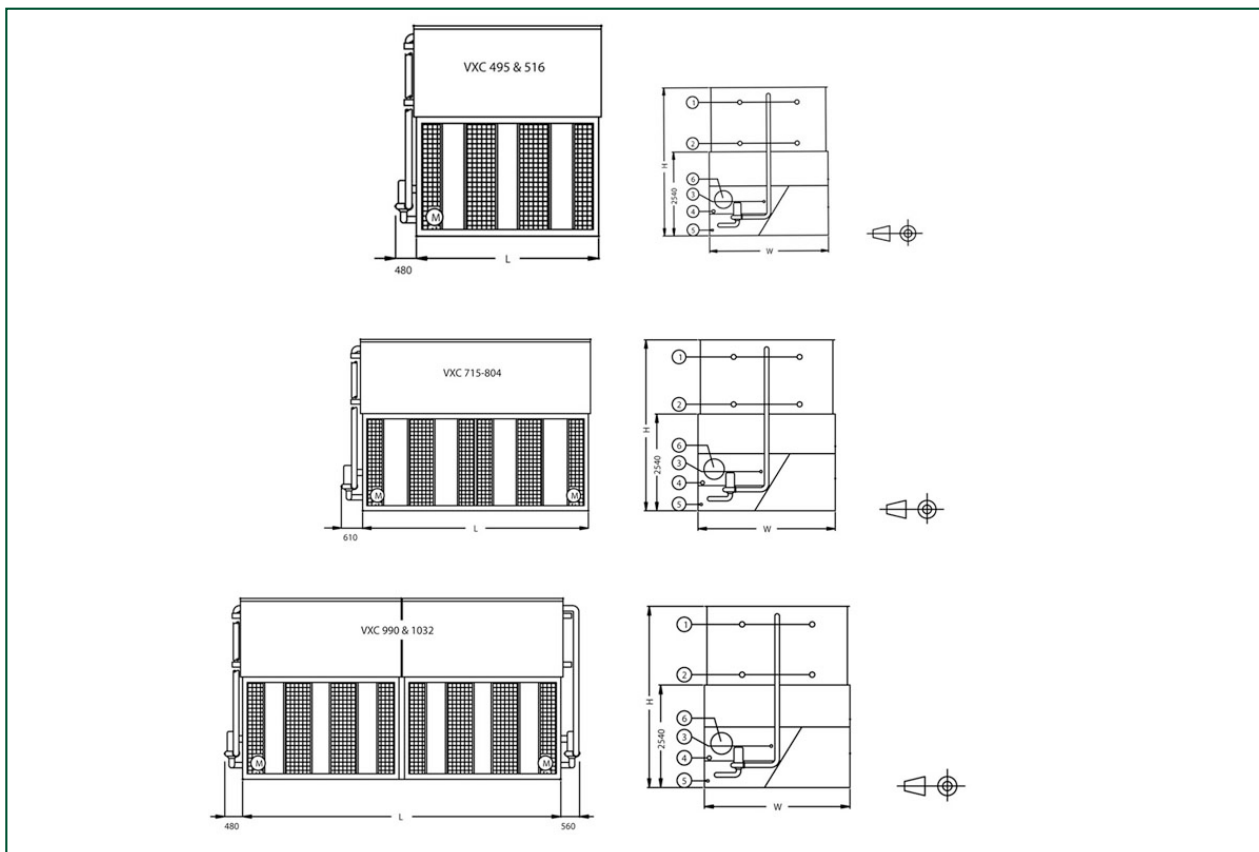
### General notes

1. Standard refrigerant connection sizes are ND 100 BSP MPT inlet and outlet (for models VXC 14 through 28 refrigerant connection sizes are ND 80 BSP MPT), consult your local BAC representative for size and location. Other connection sizes are available on special order. Refrigerant connections are standard bevelled for welding.
2. Make up, overflow, suction, drain connection and access door can be provided on side opposite to that shown; consult your BAC Balticare representative.
3. Unit height is indicative, for precise value refer to certified print.
4. Shipping/operating weights indicated are for units without accessories such as sound attenuators, discharge hoods, etc. Consult factory certified prints to obtain weight additions and the heaviest section to be lifted.
5. The drawing units with only one spray pump show the standard right hand arrangement has the air inlet side on the right when facing the connection end . Left hand can be furnished by special order.
6. Coil, overflow, make-up and spray water connections are always located on the same end of the unit. For double pump units an additional overflow connection will be installed on the other end of the unit.
7. On model VXC 14 through VXC 135 access doors are located at the opposite of the air inlet side, ensure sufficient space for entry when positioning these units.
8. For indoor applications of evaporative condensers, the room may be used as a plenum with ductwork attached to the discharge only. If inlet ductwork is required, an enclosed fan section must be specified; consult your BAC representative for details.
9. Fan kW is at 0 Pa ESP. To operate against external static pressure up to 125 Pa, increase each fan motor one size.
10. Refrigerant charge listed is R717 operating charge. To determine operating charge of R 22 refrigerant, multiply by: 1.93. For R134A, multiply by : 1.98.
11. For dry operation, standard motors must be increased one size to avoid motor overloading. Extended surface coils are available to vastly increase dry capacity without motor size increase. Consult your BAC Balticare Representative for selection and pricing.
12. Models VXC 357-454, VXC 562-380, VXC 495-516 and VXC 725-804 have only 1 coil casing section and one or two fan motors. Fan cycling results in only on-off operation. On these units all fans need to operate simultaneously.
13. Models VXC 714-907, VXC 1124-1360, VXC 990-1032 and VXC 1430-1608 have 2 coils casing sections and one or two fan motors per coil casing section. Fan cycling results in only on-off operation. On these units all

fans need to operate simultaneously per coil casing section.

Last update: 30/06/2019

**VXC 495-516-715-772-804-990-1032-1430-1544-1608**



REFRIG

1. Refrigerant in ND100; 2. Refrigerant out ND100; 3. Make up, 4. Overflow ND80; 5. Drain ND50; 6. Access. For VXC 1430 through 1608 : Make up ND80.

1. Refrigerant in ND100; 2. Refrigerant out ND100; 3. Make up, 4. Overflow ND80; 5. Drain ND50; 6. Access. For VXC 495 through 1032: Make up ND50.



| Model       | Weights (kg)            |                         |                             | Dimensions (mm) |      |      | Air Flow<br>(m³/s) | Fan Motor<br>(kW) | Water<br>Flow (l/s) | Pump<br>Motor<br>(kW) | R717<br>charge<br>(kg) |
|-------------|-------------------------|-------------------------|-----------------------------|-----------------|------|------|--------------------|-------------------|---------------------|-----------------------|------------------------|
|             | Oper.<br>Weight<br>(kg) | Ship.<br>Weight(kg<br>) | Heaviest<br>Section<br>(kg) | L               | W    | H    |                    |                   |                     |                       |                        |
| VXC<br>495  | 12040                   | 8210                    | 5610                        | 3550            | 3607 | 4310 | 40.0               | (1x)<br>37.0      | 39.1                | (1x)<br>4.0           | 250.0                  |
| VXC<br>516  | 13030                   | 9170                    | 6550                        | 3550            | 3607 | 4545 | 39.4               | (1x)<br>37.0      | 39.1                | (1x)<br>4.0           | 298.0                  |
| VXC<br>715  | 17555                   | 11855                   | 8310                        | 5388            | 3607 | 4310 | 56.1               | (2x)<br>22.0      | 56.8                | (1x)<br>4.0           | 374.0                  |
| VXC<br>772  | 17735                   | 12035                   | 8310                        | 5388            | 3607 | 4310 | 62.3               | (2x)<br>30.0      | 56.8                | (1x)<br>4.0           | 374.0                  |
| VXC<br>804  | 19290                   | 13435                   | 9710                        | 5388            | 3607 | 4545 | 60.4               | (2x)<br>30.0      | 56.8                | (1x)<br>4.0           | 450.0                  |
| VXC<br>990  | 24185                   | 16520                   | 5610                        | 7226            | 3607 | 4310 | 80.0               | (2x)<br>37.0      | 78.2                | (2x)<br>4.0           | 500.0                  |
| VXC<br>1032 | 26095                   | 18280                   | 6550                        | 7226            | 3607 | 4545 | 78.8               | (2x)<br>37.0      | 78.2                | (2x)<br>4.0           | 596.0                  |
| VXC<br>1430 | 35200                   | 23680                   | 8300                        | 10903           | 3607 | 4310 | 112.2              | (4x)<br>22.0      | 113.6               | (2x)<br>4.0           | 748.0                  |
| VXC<br>1544 | 35560                   | 23770                   | 8300                        | 10903           | 3607 | 4310 | 124.6              | (4x)<br>30.0      | 113.6               | (2x)<br>4.0           | 748.0                  |
| VXC<br>1608 | 38665                   | 26845                   | 9710                        | 10903           | 3607 | 4545 | 120.8              | (4x)<br>30.0      | 113.6               | (2x)<br>4.0           | 900.0                  |



# VXC

## Refrigerant condensers

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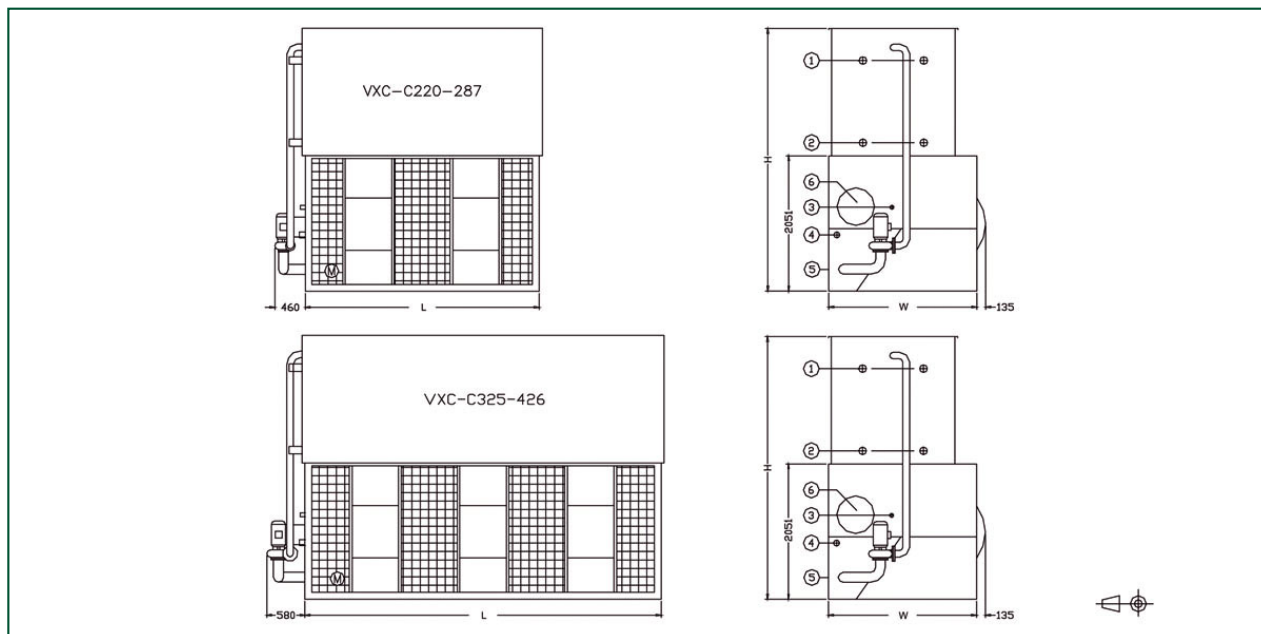
### General notes

1. Standard refrigerant connection sizes are ND 100 BSP MPT inlet and outlet (for models VXC 14 through 28 refrigerant connection sizes are ND 80 BSP MPT), consult your local BAC representative for size and location. Other connection sizes are available on special order. Refrigerant connections are standard bevelled for welding.
2. Make up, overflow, suction, drain connection and access door can be provided on side opposite to that shown; consult your BAC Balticare representative.
3. Unit height is indicative, for precise value refer to certified print.
4. Shipping/operating weights indicated are for units without accessories such as sound attenuators, discharge hoods, etc. Consult factory certified prints to obtain weight additions and the heaviest section to be lifted.
5. The drawing units with only one spray pump show the standard right hand arrangement has the air inlet side on the right when facing the connection end . Left hand can be furnished by special order.
6. Coil, overflow, make-up and spray water connections are always located on the same end of the unit. For double pump units an additional overflow connection will be installed on the other end of the unit.
7. On model VXC 14 through VXC 135 access doors are located at the opposite of the air inlet side, ensure sufficient space for entry when positioning these units.
8. For indoor applications of evaporative condensers, the room may be used as a plenum with ductwork attached to the discharge only. If inlet ductwork is required, an enclosed fan section must be specified; consult your BAC representative for details.
9. Fan kW is at 0 Pa ESP. To operate against external static pressure up to 125 Pa, increase each fan motor one size.
10. Refrigerant charge listed is R717 operating charge. To determine operating charge of R 22 refrigerant, multiply by: 1.93. For R134A, multiply by : 1.98.
11. For dry operation, standard motors must be increased one size to avoid motor overloading. Extended surface coils are available to vastly increase dry capacity without motor size increase. Consult your BAC Balticare Representative for selection and pricing.
12. Models VXC 357-454, VXC 562-380, VXC 495-516 and VXC 725-804 have only 1 coil casing section and one or two fan motors. Fan cycling results in only on-off operation. On these units all fans need to operate simultaneously.
13. Models VXC 714-907, VXC 1124-1360, VXC 990-1032 and VXC 1430-1608 have 2 coils casing sections and one or two fan motors per coil casing section. Fan cycling results in only on-off operation. On these units all

fans need to operate simultaneously per coil casing section.

**Last update:** 30/06/2019

## VXC C220-C426



1. Refrigerant in ND100; 2. Refrigerant out ND100; 3. Make up ND50; 4. Overflow ND80; 5. Drain ND50; 6. Access fan covers are shipped loose.

| Model       | Weights (kg)            |                         |                             | Dimensions (mm) |      |      | Air Flow<br>(m³/s) | Fan Motor<br>(kW) | Water<br>Flow (l/s) | Pump<br>Motor<br>(kW) | R717<br>charge<br>(kg) |
|-------------|-------------------------|-------------------------|-----------------------------|-----------------|------|------|--------------------|-------------------|---------------------|-----------------------|------------------------|
|             | Oper.<br>Weight<br>(kg) | Ship.<br>Weight(kg<br>) | Heaviest<br>Section<br>(kg) | L               | W    | H    |                    |                   |                     |                       |                        |
| VXC<br>C220 | 5940                    | 4250                    | 2630                        | 3550            | 2245 | 3585 | 20.58              | (1x)<br>15.0      | 19.2                | (1x)<br>2.2           | 118.0                  |
| VXC<br>C250 | 6415                    | 4770                    | 3150                        | 3550            | 2245 | 3820 | 20.12              | (1x)<br>15.0      | 19.2                | (1x)<br>2.2           | 146.0                  |
| VXC<br>C265 | 6440                    | 4795                    | 3150                        | 3550            | 2245 | 3820 | 21.65              | (1x)<br>18.5      | 19.2                | (1x)<br>2.2           | 146.0                  |
| VXC<br>C287 | 7450                    | 5315                    | 3665                        | 3550            | 2245 | 4055 | 22.49              | (1x)<br>22.0      | 19.2                | (1x)<br>2.2           | 154.0                  |
| VXC<br>C325 | 8730                    | 6135                    | 3885                        | 5385            | 2245 | 3585 | 31.51              | (1x)<br>18.5      | 29.0                | (1x)<br>4.0           | 156.0                  |
| VXC<br>C340 | 8735                    | 6145                    | 3885                        | 5385            | 2245 | 3585 | 33.48              | (1x)<br>22.0      | 29.0                | (1x)<br>4.0           | 156.0                  |
| VXC<br>C380 | 9430                    | 6945                    | 4685                        | 5385            | 2245 | 3820 | 32.19              | (1x)<br>22.0      | 29.0                | (1x)<br>4.0           | 196.0                  |
| VXC<br>C408 | 9470                    | 7030                    | 4685                        | 5385            | 2245 | 3820 | 35.49              | (1x)<br>30.0      | 29.0                | (1x)<br>4.0           | 196.0                  |
| VXC<br>C426 | 10260                   | 7830                    | 5485                        | 5385            | 2245 | 4055 | 34.65              | (1x)<br>30.0      | 29.0                | (1x)<br>4.0           | 234.0                  |



# VXC

## Refrigerant condensers

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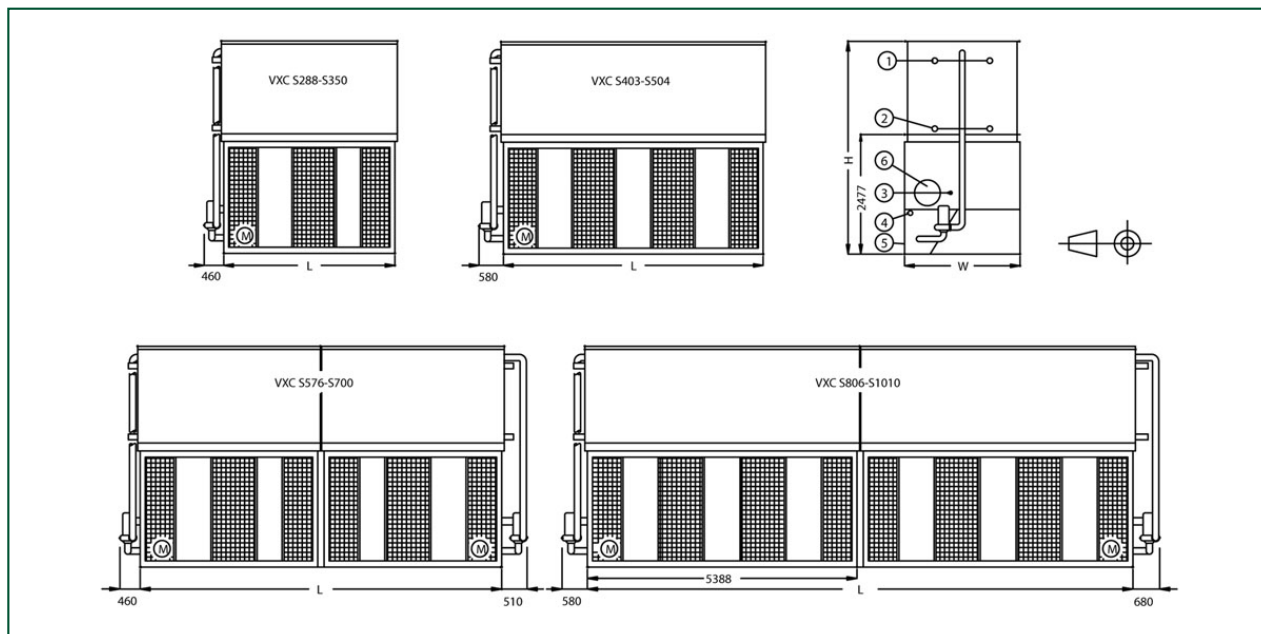
### General notes

1. Standard refrigerant connection sizes are ND 100 BSP MPT inlet and outlet (for models VXC 14 through 28 refrigerant connection sizes are ND 80 BSP MPT), consult your local BAC representative for size and location. Other connection sizes are available on special order. Refrigerant connections are standard bevelled for welding.
2. Make up, overflow, suction, drain connection and access door can be provided on side opposite to that shown; consult your BAC Balticare representative.
3. Unit height is indicative, for precise value refer to certified print.
4. Shipping/operating weights indicated are for units without accessories such as sound attenuators, discharge hoods, etc. Consult factory certified prints to obtain weight additions and the heaviest section to be lifted.
5. The drawing units with only one spray pump show the standard right hand arrangement has the air inlet side on the right when facing the connection end . Left hand can be furnished by special order.
6. Coil, overflow, make-up and spray water connections are always located on the same end of the unit. For double pump units an additional overflow connection will be installed on the other end of the unit.
7. On model VXC 14 through VXC 135 access doors are located at the opposite of the air inlet side, ensure sufficient space for entry when positioning these units.
8. For indoor applications of evaporative condensers, the room may be used as a plenum with ductwork attached to the discharge only. If inlet ductwork is required, an enclosed fan section must be specified; consult your BAC representative for details.
9. Fan kW is at 0 Pa ESP. To operate against external static pressure up to 125 Pa, increase each fan motor one size.
10. Refrigerant charge listed is R717 operating charge. To determine operating charge of R 22 refrigerant, multiply by: 1.93. For R134A, multiply by : 1.98.
11. For dry operation, standard motors must be increased one size to avoid motor overloading. Extended surface coils are available to vastly increase dry capacity without motor size increase. Consult your BAC Balticare Representative for selection and pricing.
12. Models VXC 357-454, VXC 562-380, VXC 495-516 and VXC 725-804 have only 1 coil casing section and one or two fan motors. Fan cycling results in only on-off operation. On these units all fans need to operate simultaneously.
13. Models VXC 714-907, VXC 1124-1360, VXC 990-1032 and VXC 1430-1608 have 2 coils casing sections and one or two fan motors per coil casing section. Fan cycling results in only on-off operation. On these units all

fans need to operate simultaneously per coil casing section.

**Last update:** 30/06/2019

## VXC S288-S1010



1. Refrigerant in ND100; 2. Refrigerant out ND100; Make up ND50; 4. Overflow ND80; 5. Drain ND50; 6. Access.

| Model        | Weights (kg)            |                         |                             | Dimensions (mm) |      |      | Air Flow<br>(m³/s) | Fan Motor<br>(kW) | Water<br>Flow (l/s) | Pump<br>Motor<br>(kW) | R717<br>charge<br>(kg) |
|--------------|-------------------------|-------------------------|-----------------------------|-----------------|------|------|--------------------|-------------------|---------------------|-----------------------|------------------------|
|              | Oper.<br>Weight<br>(kg) | Ship.<br>Weight(kg<br>) | Heaviest<br>Section<br>(kg) | L               | W    | H    |                    |                   |                     |                       |                        |
| VXC<br>S288  | 7600                    | 5525                    | 3850                        | 3550            | 2397 | 4248 | 22.8               | (1x)<br>18.5      | 25.2                | (1x)<br>2.2           | 164.0                  |
| VXC<br>S300  | 7630                    | 5555                    | 3850                        | 3550            | 2397 | 4248 | 24.2               | (1x)<br>22.0      | 25.2                | (1x)<br>2.2           | 164.0                  |
| VXC<br>S328  | 7705                    | 5630                    | 3850                        | 3550            | 2397 | 4248 | 26.7               | (1x)<br>30.0      | 25.2                | (1x)<br>2.2           | 164.0                  |
| VXC<br>S350  | 8320                    | 6180                    | 4470                        | 3550            | 2397 | 4483 | 26.2               | (1x)<br>30.0      | 25.2                | (1x)<br>2.2           | 196.0                  |
| VXC<br>S403  | 10225                   | 7170                    | 4715                        | 5385            | 2397 | 4013 | 36.6               | (1x)<br>30.0      | 38.5                | (1x)<br>4.0           | 198.0                  |
| VXC<br>S429  | 10285                   | 7230                    | 4715                        | 5385            | 2397 | 4013 | 38.9               | (1x)<br>37.0      | 38.5                | (1x)<br>4.0           | 198.0                  |
| VXC<br>S455  | 11270                   | 8125                    | 5710                        | 5385            | 2397 | 4248 | 34.9               | (1x)<br>30.0      | 38.5                | (1x)<br>4.0           | 246.0                  |
| VXC<br>S482  | 11320                   | 8175                    | 5710                        | 5385            | 2397 | 4248 | 37.5               | (1x)<br>37.0      | 38.5                | (1x)<br>4.0           | 246.0                  |
| VXC<br>S504  | 12500                   | 9260                    | 6690                        | 5385            | 2397 | 4483 | 36.6               | (1x)<br>37.0      | 38.5                | (1x)<br>4.0           | 294.0                  |
| VXC<br>S576  | 15120                   | 10880                   | 3840                        | 7226            | 2397 | 4248 | 45.6               | (2x)<br>18.5      | 50.4                | (2x)<br>2.2           | 328.0                  |
| VXC<br>S600  | 15220                   | 10980                   | 3840                        | 7226            | 2397 | 4248 | 48.4               | (2x)<br>22.0      | 50.4                | (2x)<br>2.2           | 328.0                  |
| VXC<br>S656  | 15400                   | 11100                   | 3840                        | 7226            | 2397 | 4248 | 53.4               | (2x)<br>30.0      | 50.4                | (2x)<br>2.2           | 328.0                  |
| VXC<br>S700  | 16655                   | 12355                   | 4470                        | 7226            | 2397 | 4483 | 52.4               | (2x)<br>30.0      | 50.4                | (2x)<br>2.2           | 392.0                  |
| VXC<br>S806  | 20555                   | 14415                   | 5120                        | 10903           | 2397 | 4013 | 73.2               | (2x)<br>30.0      | 77.0                | (2x)<br>4.0           | 396.0                  |
| VXC<br>S858  | 20755                   | 14615                   | 5120                        | 10903           | 2397 | 4013 | 77.8               | (2x)<br>37.0      | 77.0                | (2x)<br>4.0           | 396.0                  |
| VXC<br>S910  | 22570                   | 16420                   | 5710                        | 10903           | 2397 | 4248 | 69.8               | (2x)<br>30.0      | 77.0                | (2x)<br>4.0           | 492.0                  |
| VXC<br>S964  | 22770                   | 16550                   | 5710                        | 10903           | 2397 | 4248 | 75.0               | (2x)<br>37.0      | 77.0                | (2x)<br>4.0           | 492.0                  |
| VXC<br>S1010 | 25035                   | 18505                   | 6690                        | 10903           | 2397 | 4483 | 73.2               | (2x)<br>37.0      | 77.0                | (2x)<br>4.0           | 588.0                  |



# VXC

## Refrigerant condensers

### Engineering data

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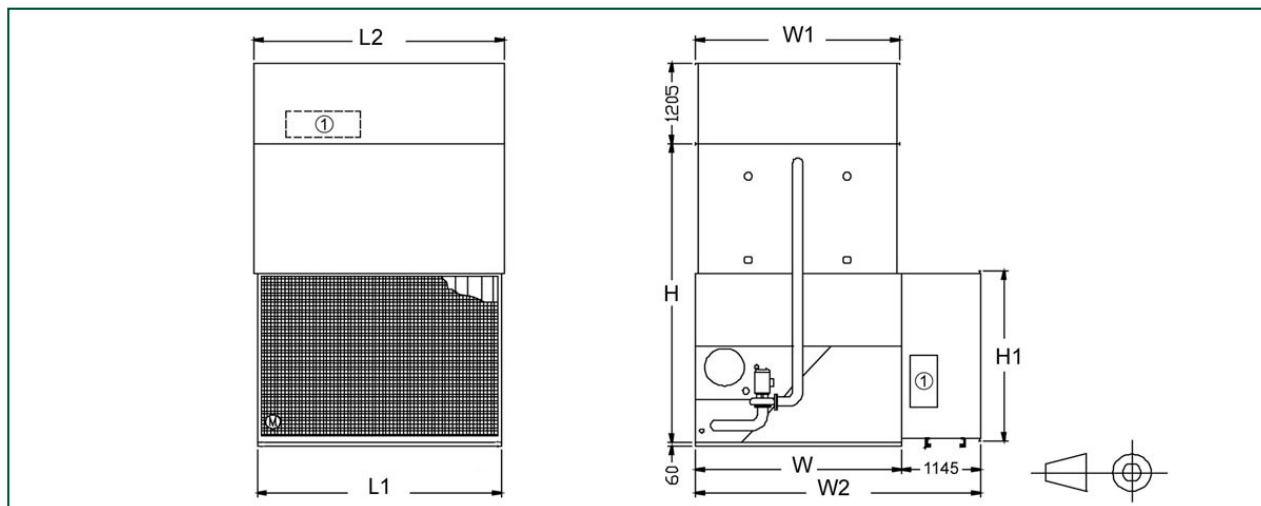
### General notes

1. Standard refrigerant connection sizes are ND 100 BSP MPT inlet and outlet (for models VXC 14 through 28 refrigerant connection sizes are ND 80 BSP MPT), consult your local BAC representative for size and location. Other connection sizes are available on special order. Refrigerant connections are standard bevelled for welding.
2. Make up, overflow, suction, drain connection and access door can be provided on side opposite to that shown; consult your BAC Balticare representative.
3. Unit height is indicative, for precise value refer to certified print.
4. Shipping/operating weights indicated are for units without accessories such as sound attenuators, discharge hoods, etc. Consult factory certified prints to obtain weight additions and the heaviest section to be lifted.
5. The drawing units with only one spray pump show the standard right hand arrangement has the air inlet side on the right when facing the connection end. Left hand can be furnished by special order.
6. Coil, overflow, make-up and spray water connections are always located on the same end of the unit. For double pump units an additional overflow connection will be installed on the other end of the unit.
7. On model VXC 14 through VXC 135 access doors are located at the opposite of the air inlet side, ensure sufficient space for entry when positioning these units.
8. For indoor applications of evaporative condensers, the room may be used as a plenum with ductwork attached to the discharge only. If inlet ductwork is required, an enclosed fan section must be specified; consult your BAC representative for details.
9. Fan kW is at 0 Pa ESP. To operate against external static pressure up to 125 Pa, increase each fan motor one size.
10. Refrigerant charge listed is R717 operating charge. To determine operating charge of R 22 refrigerant, multiply by: 1.93. For R134A, multiply by : 1.98.
11. For dry operation, standard motors must be increased one size to avoid motor overloading. Extended surface coils are available to vastly increase dry capacity without motor size increase. Consult your BAC Balticare Representative for selection and pricing.
12. Models VXC 357-454, VXC 562-380, VXC 495-516 and VXC 725-804 have only 1 coil casing section and one or two fan motors. Fan cycling results in only on-off operation. On these units all fans need to operate simultaneously.
13. Models VXC 714-907, VXC 1124-1360, VXC 990-1032 and VXC 1430-1608 have 2 coils casing sections and one or two fan motors per coil casing section. Fan cycling results in only on-off operation. On these units all

fans need to operate simultaneously per coil casing section.

Last update: 30/06/2019

## Sound attenuation XA



1. Access door; L = Unit Length; W = Unit Width; H = Unit Height (see Engineering Data).



| Model      | Unit +<br>Atten #<br>pieces<br>shipped | # Access Doors |        | Dimensions (mm) |      |      |       |       | Weights (kg) |              |           |       |
|------------|----------------------------------------|----------------|--------|-----------------|------|------|-------|-------|--------------|--------------|-----------|-------|
|            |                                        | Discharge      | Intake | W2              | H1   | W1   | L1    | L2    | Intake       | Solid Bottom | Discharge | Total |
| 14-28      | 4 <sup>1</sup>                         | 1              | 2      | 2352            | 1090 | 1030 | 890   | 902   | 110          | 30           | 130       | 270   |
| 36-65      | 4 <sup>1</sup>                         | 1              | 2      | 2352            | 1090 | 1030 | 1800  | 1816  | 175          | 50           | 185       | 400   |
| 72-97      | 4                                      | 1              | 2      | 2352            | 1090 | 1030 | 2710  | 2731  | 230          | 70           | 280       | 580   |
| 110-135    | 4                                      | 1              | 2      | 2352            | 1090 | 1030 | 3635  | 3645  | 300          | 100          | 360       | 760   |
| 150-205    | 4                                      | 1              | 2      | 2583            | 1600 | 1420 | 3635  | 3645  | 380          | 120          | 440       | 940   |
| 221-265    | 4                                      | 1              | 2      | 3542            | 2070 | 1955 | 3525  | 3645  | 500          | 190          | 530       | 1120  |
| S288-S350  | 4                                      | 1              | 2      | 3542            | 2070 | 2365 | 3550  | 3645  | 500          | 190          | 660       | 1350  |
| S403-S504  | 4                                      | 2              | 2      | 3542            | 2070 | 2365 | 5385  | 5480  | 660          | 300          | 830       | 1970  |
| S576-S700  | 7                                      | 2              | 2      | 3542            | 2070 | 2365 | 7200  | 7322  | 1000         | 380          | 1320      | 2700  |
| S806-S1010 | 7                                      | 4              | 2      | 3542            | 2070 | 2365 | 10885 | 10998 | 1320         | 600          | 1660      | 3580  |
| 357-454    | 4                                      | 1              | 2      | 4145            | 2560 | 2965 | 3525  | 3645  | 560          | 230          | 710       | 1500  |
| 562-680    | 4                                      | 2              | 2      | 4145            | 2560 | 2965 | 5365  | 5480  | 730          | 350          | 900       | 1980  |
| 714-908    | 7                                      | 2              | 2      | 4145            | 2560 | 2965 | 7050  | 7322  | 1120         | 460          | 1420      | 3000  |
| 1124-1360  | 7                                      | 4              | 2      | 4145            | 2560 | 2965 | 10730 | 10994 | 1460         | 700          | 1800      | 3960  |
| 495-516    | 4                                      | 1              | 2      | 2752            | 2560 | 3575 | 3525  | 3645  | 560          | 280          | 810       | 1650  |
| 715-804    | 4                                      | 2              | 2      | 4752            | 2560 | 3575 | 5365  | 5480  | 730          | 420          | 1020      | 2170  |
| 990-1032   | 7                                      | 2              | 2      | 4752            | 2560 | 3575 | 7050  | 7322  | 1120         | 560          | 1620      | 3300  |
| 1430-1608  | 7                                      | 4              | 2      | 4752            | 2560 | 3575 | 10730 | 10994 | 1460         | 840          | 2040      | 4340  |



# VXC

## Refrigerant condensers

### Engineering data

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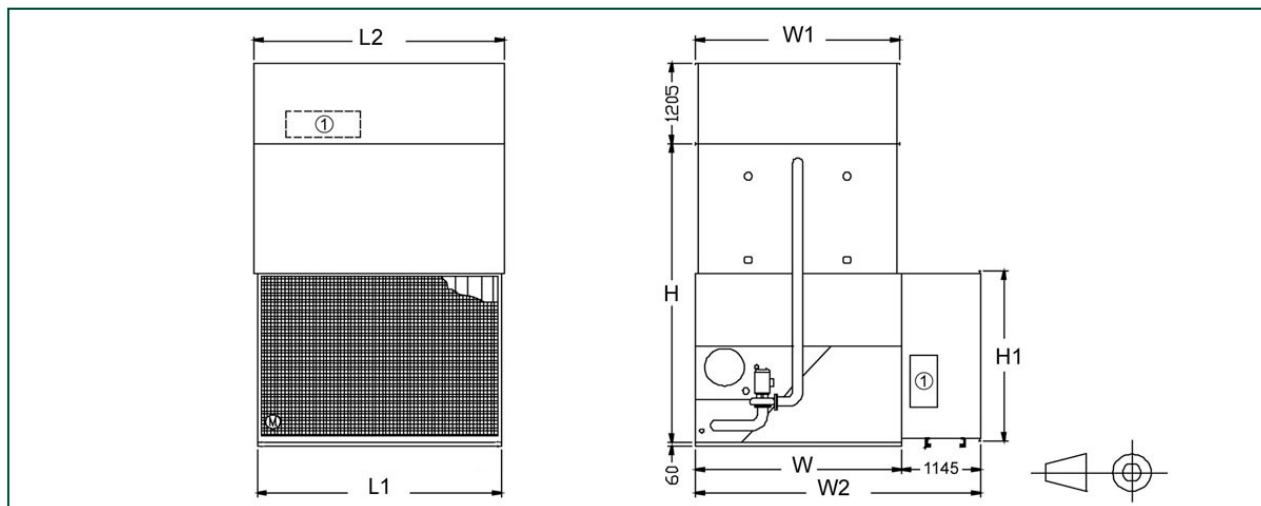
### General notes

1. Standard refrigerant connection sizes are ND 100 BSP MPT inlet and outlet (for models VXC 14 through 28 refrigerant connection sizes are ND 80 BSP MPT), consult your local BAC representative for size and location. Other connection sizes are available on special order. Refrigerant connections are standard bevelled for welding.
2. Make up, overflow, suction, drain connection and access door can be provided on side opposite to that shown; consult your BAC Balticare representative.
3. Unit height is indicative, for precise value refer to certified print.
4. Shipping/operating weights indicated are for units without accessories such as sound attenuators, discharge hoods, etc. Consult factory certified prints to obtain weight additions and the heaviest section to be lifted.
5. The drawing units with only one spray pump show the standard right hand arrangement has the air inlet side on the right when facing the connection end. Left hand can be furnished by special order.
6. Coil, overflow, make-up and spray water connections are always located on the same end of the unit. For double pump units an additional overflow connection will be installed on the other end of the unit.
7. On model VXC 14 through VXC 135 access doors are located at the opposite of the air inlet side, ensure sufficient space for entry when positioning these units.
8. For indoor applications of evaporative condensers, the room may be used as a plenum with ductwork attached to the discharge only. If inlet ductwork is required, an enclosed fan section must be specified; consult your BAC representative for details.
9. Fan kW is at 0 Pa ESP. To operate against external static pressure up to 125 Pa, increase each fan motor one size.
10. Refrigerant charge listed is R717 operating charge. To determine operating charge of R 22 refrigerant, multiply by: 1.93. For R134A, multiply by : 1.98.
11. For dry operation, standard motors must be increased one size to avoid motor overloading. Extended surface coils are available to vastly increase dry capacity without motor size increase. Consult your BAC Balticare Representative for selection and pricing.
12. Models VXC 357-454, VXC 562-380, VXC 495-516 and VXC 725-804 have only 1 coil casing section and one or two fan motors. Fan cycling results in only on-off operation. On these units all fans need to operate simultaneously.
13. Models VXC 714-907, VXC 1124-1360, VXC 990-1032 and VXC 1430-1608 have 2 coils casing sections and one or two fan motors per coil casing section. Fan cycling results in only on-off operation. On these units all

fans need to operate simultaneously per coil casing section.

Last update: 30/06/2019

## Sound attenuation XB



1. Access door; L = Unit Length; W = Unit Width; H = Unit Height (see Engineering Data).



| Model      | Unit +<br>Atten #<br>pieces<br>shipped | # Access Doors |        | Dimensions (mm) |      |      |       |       | Weights (kg) |              |           |       |
|------------|----------------------------------------|----------------|--------|-----------------|------|------|-------|-------|--------------|--------------|-----------|-------|
|            |                                        | Discharge      | Intake | W2              | H1   | W1   | L1    | L2    | Intake       | Solid Bottom | Discharge | Total |
| 14-28      | 4 <sup>1</sup>                         | 1              | 2      | 2352            | 1090 | 1030 | 890   | 902   | 130          | 30           | 150       | 310   |
| 36-65      | 4 <sup>1</sup>                         | 1              | 2      | 2352            | 1090 | 1030 | 1800  | 1816  | 220          | 50           | 220       | 490   |
| 72-97      | 4                                      | 1              | 2      | 2352            | 1090 | 1030 | 2710  | 2731  | 300          | 70           | 350       | 720   |
| 110-135    | 4                                      | 1              | 2      | 2352            | 1090 | 1030 | 3635  | 3645  | 370          | 100          | 420       | 890   |
| 150-205    | 4                                      | 1              | 2      | 2583            | 1600 | 1420 | 3635  | 3645  | 480          | 120          | 520       | 1120  |
| 221-265    | 4                                      | 1              | 2      | 3542            | 2070 | 1955 | 3525  | 3645  | 630          | 190          | 650       | 1220  |
| S288-S350  | 4                                      | 1              | 2      | 3542            | 2070 | 2365 | 3550  | 3645  | 630          | 190          | 800       | 1620  |
| S403-S504  | 4                                      | 2              | 2      | 3542            | 2070 | 2365 | 5385  | 5480  | 860          | 300          | 1090      | 2250  |
| S576-S700  | 7                                      | 2              | 2      | 3542            | 2070 | 2365 | 7200  | 7322  | 1260         | 380          | 1600      | 3240  |
| S806-S1010 | 7                                      | 4              | 2      | 3542            | 2070 | 2365 | 10885 | 10998 | 1720         | 600          | 2180      | 4500  |
| 357-454    | 4                                      | 1              | 2      | 4145            | 2560 | 2965 | 3525  | 3645  | 710          | 230          | 880       | 1820  |
| 562-680    | 4                                      | 2              | 2      | 4145            | 2560 | 2965 | 5365  | 5480  | 980          | 350          | 1210      | 2540  |
| 714-908    | 7                                      | 2              | 2      | 4145            | 2560 | 2965 | 7050  | 7322  | 1420         | 460          | 1760      | 3640  |
| 1124-1360  | 7                                      | 4              | 2      | 4145            | 2560 | 2965 | 10730 | 10994 | 1960         | 700          | 2420      | 5080  |
| 495-516    | 4                                      | 1              | 2      | 2752            | 2650 | 3575 | 3525  | 3645  | 710          | 280          | 1030      | 2020  |
| 715-804    | 4                                      | 2              | 2      | 4752            | 2560 | 3575 | 5365  | 5480  | 980          | 420          | 1410      | 2810  |
| 990-1032   | 7                                      | 2              | 2      | 4752            | 2560 | 3575 | 7050  | 7322  | 1420         | 560          | 2060      | 4040  |
| 1430-1608  | 7                                      | 4              | 2      | 4752            | 2560 | 3575 | 10730 | 10994 | 1960         | 840          | 2820      | 5620  |



# VXC

## Refrigerant condensers

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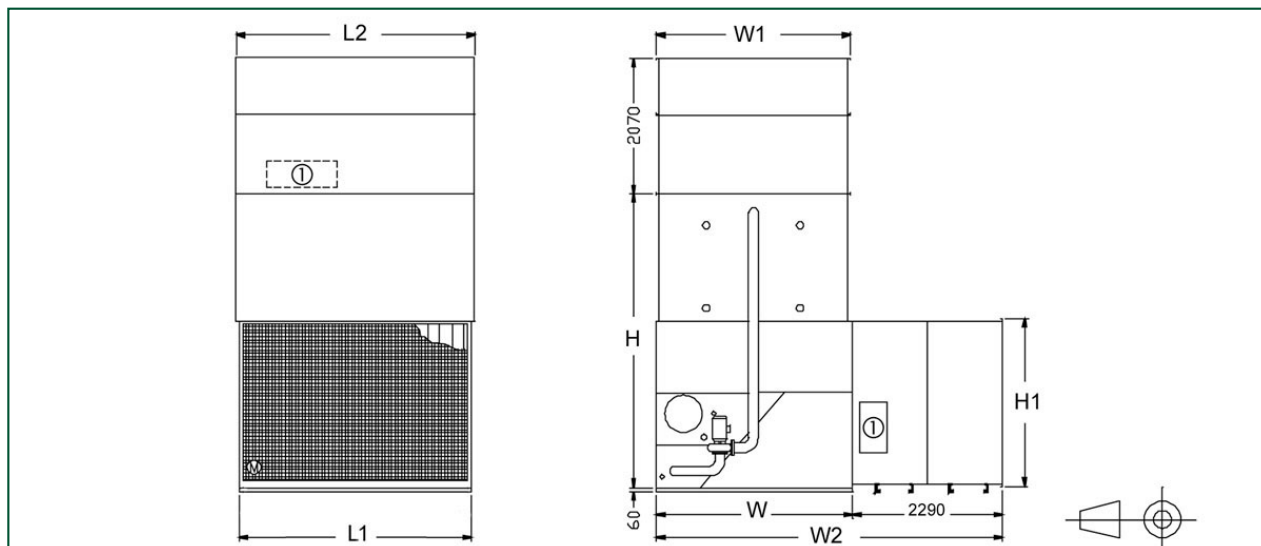
### General notes

1. Standard refrigerant connection sizes are ND 100 BSP MPT inlet and outlet (for models VXC 14 through 28 refrigerant connection sizes are ND 80 BSP MPT), consult your local BAC representative for size and location. Other connection sizes are available on special order. Refrigerant connections are standard bevelled for welding.
2. Make up, overflow, suction, drain connection and access door can be provided on side opposite to that shown; consult your BAC Balticare representative.
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fans need to operate simultaneously per coil casing section.

Last update: 30/06/2019

## Sound attenuation XC



1. Access door; L = Unit Length; W = Unit Width; H = Unit Height (see Engineering data).



| Model      | Unit +<br>Atten #<br>pieces<br>shipped | # Access Doors |        | Dimensions (mm) |      |      |       |       | Weights (kg) |              |           |       |
|------------|----------------------------------------|----------------|--------|-----------------|------|------|-------|-------|--------------|--------------|-----------|-------|
|            |                                        | Discharge      | Intake | W2              | H1   | W1   | L1    | L2    | Intake       | Solid Bottom | Discharge | Total |
| 14-28      | 4 <sup>1</sup>                         | 1              | 2      | N.A.            | 1090 | 1030 | 890   | 902   | N.A.         | 30           | N.A.      | N.A.  |
| 36-65      | 4 <sup>1</sup>                         | 1              | 2      | N.A.            | 1090 | 1030 | 1800  | 1816  | N.A.         | 50           | N.A.      | N.A.  |
| 72-97      | 4                                      | 1              | 2      | N.A.            | 1090 | 1030 | 2710  | 2731  | N.A.         | 70           | N.A.      | N.A.  |
| 110-135    | 4                                      | 1              | 2      | N.A.            | 1090 | 1030 | 3635  | 3645  | 830          | 100          | N.A.      | N.A.  |
| 150-205    | 4                                      | 1              | 2      | 3728            | 1600 | 1420 | 3635  | 3645  | 1080         | 120          | 1070      | 2270  |
| 221-265    | 4                                      | 1              | 2      | 4687            | 2070 | 1955 | 3525  | 3645  | 1420         | 190          | 1330      | 2940  |
| S288-S350  | 4                                      | 1              | 2      | 4687            | 2070 | 2365 | 3550  | 3645  | 1420         | 190          | 1640      | 3250  |
| S403-S504  | 4                                      | 2              | 2      | 4687            | 2070 | 2365 | 5385  | 5480  | 1970         | 300          | 2240      | 4510  |
| S576-S700  | 7                                      | 2              | 2      | 4687            | 2070 | 2365 | 7200  | 7322  | 2840         | 380          | 3280      | 6500  |
| S806-S1010 | 7                                      | 4              | 2      | 4687            | 2070 | 2365 | 10885 | 10998 | 3940         | 600          | 4480      | 9020  |
| 357-454    | 4                                      | 1              | 2      | 5290            | 2560 | 2965 | 3525  | 3645  | 1620         | 230          | 1820      | 3670  |
| 562-680    | 4                                      | 2              | 2      | 5290            | 2560 | 2965 | 5365  | 5480  | 2240         | 350          | 2490      | 5080  |
| 714-908    | 7                                      | 2              | 2      | 5290            | 2560 | 2965 | 7050  | 7322  | 3240         | 460          | 3640      | 7340  |
| 1124-1360  | 7                                      | 4              | 2      | 5290            | 2560 | 2965 | 10730 | 10994 | 4480         | 700          | 4980      | 10160 |
| 495-516    | 4                                      | 1              | 2      | 5897            | 2560 | 3575 | 3525  | 3645  | 1620         | 280          | 2130      | 4030  |
| 715-804    | 4                                      | 2              | 2      | 5897            | 2560 | 3575 | 5365  | 5480  | 2240         | 420          | 2920      | 5580  |
| 990-1032   | 7                                      | 2              | 2      | 5897            | 2560 | 3575 | 7050  | 7322  | 3240         | 560          | 4260      | 8060  |
| 1430-1608  | 7                                      | 4              | 2      | 5897            | 2560 | 3575 | 10730 | 10994 | 4480         | 840          | 5840      | 11160 |