

Reference List

# CHILLERS WITH SCROLL OR RECIPROCATING COMPRESSORS



## Oldest Projects

### Russia - Latvia

| Place                                | Model               | Cooling Capacity | Description                  | Quantity |
|--------------------------------------|---------------------|------------------|------------------------------|----------|
| GYM                                  | VHA – C 219 /66 /TP | kW 83            | Air cooled chiller           | 1        |
| BMW Shop                             | VHA – C 230 / 66/TP | kW 120           | Air cooled chiller           | 1        |
| Chemical Industry<br>(St. Peterburg) | VFC – C 225 / 66    | kW 88            | Free - cooling water chiller | 1        |
|                                      | VFC – C 238 / 66    | kW 146           |                              | 1        |
| Mechanical Industry                  | VSA – C 212 / 66    | kW 52            | Air cooled condenser         | 1        |
| “Orion Service” - Moskow             | VHA – C 225/66/TP   | kW 100           | Air cooled chiller           | 1        |
| Project " Latvia"                    | VHA – C 216 / 66/TP | kW 58            | Air cooled chiller           | 1        |

### East and West Europe

| Place             | Model                | Cooling Capacity | Description                         | Quantity |
|-------------------|----------------------|------------------|-------------------------------------|----------|
| VW WOB EG51       | VSE - C 119 / 66 /TP | kW 37,8          | Water chiller                       | 1        |
| Munters (Belgium) | VHA – C 111 / 66 /TP | kW 20,6          | Air cooled chiller                  | 1        |
| York (CH)         | VHR - C 108 / 66     | kW 19,5          | Air cooled chiller                  | 1        |
| CR-Consulting     | VHA - C 216 / 66     | kW 70            | Air cooled chiller                  | 1        |
| Glostrup (DK)     | VHH-C 425/66/TP      | kW 195           | Air cooled chiller                  | 1        |
| VW WOB Halle 103  | VSE – C 230 / 66 /TP | kW 115,4         | Condenserless water chiller         | 1        |
| 20 Garrick Street | VHA – C 424 /66/LN   | kW 176           | Air cooled chiller                  | 1        |
| Datenbaum (D)     | VHH – C 425 /66      | kW 248           | Water cooled chiller                | 2        |
| Ferriere Nord (I) | VHA – C 430 / 66/TP  | kW 263           | Water cooled -air condenser chiller | 1        |

## East and West Europe

| Place                                       | Model                      | Cooling Capacity | Description          | Quantity |
|---------------------------------------------|----------------------------|------------------|----------------------|----------|
| Haas Waffelmaschinen Eco Line               | VHA - C 112 / 66/TP        | kW 17,8          | Air cooled chiller   | 1        |
|                                             | VHA - C 119 / 66/TP        | kW 26,8          |                      | 1        |
| Tunnel raffreddamento Elledi (I)            | VSA - C 209 / 66 / SP      | kW 30            | Air cooled condenser | 2        |
| Ski, Norway                                 | VSA - C 424 / 66/HP        | kW 180           | Air cooled condenser | 1        |
| Poppen Markthalle FR Klimat                 | VKK-B 246 / 66 / SP        |                  | Compressor unit      | 1        |
| Mülsen - Deutschland                        | VHR-C 206 / 34             | kW 2,8           | Air cooled chiller   | 1        |
| Prozesskühlung                              | VHA - C 103 / 66 / TP      | kW 5,9           | Air cooled chiller   | 1        |
| Schule Heidberg                             | VSE-C 219/66/TP            | kW 75.6          | Water cooled chiller | 1        |
| BKK Mobil Oil                               | VSE - C 219 / 66 /TP       | kW 75.6          | Water cooled chiller | 1        |
| Lierse & Blumenberg, TU Brsg. - Campus Nord | VSE-C 216/66/TP            | kW 63            | Water cooled chiller | 2        |
| IVO Dortmund                                | VHR-C 111/66               | kW 25            | Air cooled chiller   | 1        |
| Herzog-August-Bibliothek, Wolfenbüttel      | VSE - C 211 / 66           | kW 40,4          | Water cooled chiller | 1        |
| Suchfort, Uni Göttingen                     | VSE-C 417/66               | kW 150           | Water cooled chiller | 1        |
| 22 Berkeley Square                          | VHR - C 424 / 66 / HP / SP | kW 167           | Air cooled chiller   | 1        |
| High Energy Technologies srl - UD (I)       | VHA - C 112 / 22 / SP      | kW 24            | Air cooled chiller   | 2        |
| Lierse & Blumenberg, TU Brsg. - Campus Nord | VSE-C 216/66/TP            | kW 63            | Water cooled chiller | 2        |

## East and West Europe

| Place                             | Model                      | Cooling Capacity | Description                 | Quantity |
|-----------------------------------|----------------------------|------------------|-----------------------------|----------|
| Plagemann                         | VSE-C 207/66/TP            | kW 28,2          | Water cooled chiller        | 1        |
| VW Wob./Sektor 12 und Halle 3     | VSE - C 225/ 66 / TP       | kW 96,2          | Water cooled chiller        | 2        |
| VW Wob./Eingang 70                | VSE - C 212/ 66 / TP       | kW 49,5          | Water cooled chiller        | 1        |
| Walzenkhlg. - Pongs               | VFC – C 225 / 66 /PU       | kW 120           | Free cooling water chillers | 1        |
| Deutsche Bank                     | VSA – C 107 / 66 / LLN /SP | kW 15,5          | Air cooled condenser        | 2        |
| America Plads Project, Copenhagen | VHH – C 430 / 66 / TP      | kW 220           | Water cooled chiller        | 1        |
| Belgrade Theatre                  | VHA – C 438 / 66 / TP / SP | kW 300           | Air cooled chiller          | 1        |

## United Kingdom

| Place                | Model                 | Cooling Capacity | Description        | Quantity |
|----------------------|-----------------------|------------------|--------------------|----------|
| Cardiff University   | VHA – C 408 / 66/LN   | kW 69            | Air cooled chiller | 1        |
| Duke of York         | VHA – C 430 / 66 /LLN | kW 240           | Air cooled chiller | 1        |
| Duke of York Phase 2 | VHR – C 425 / 66 /SP  | kW 200           | Air cooled chiller | 1        |

## Middle East and Asia

| Place                            | Model                | Cooling Capacity | Description          | Quantity |
|----------------------------------|----------------------|------------------|----------------------|----------|
| Nat Pet in Yanbu                 | VSA-C 216/34         | kW 50            | Air cooled condenser | 3        |
|                                  | VSA-C 224/34         | kW 94            |                      | 1        |
|                                  | VSA – C 230/34       | kW 114           |                      | 1        |
|                                  | VSA – C 219 / 34     | kW 56            |                      | 3        |
| Nat Pet Project – Extrusion Bldg | VHA – C 427/34       | kW 142           | Air cooled chiller   | 2        |
| BMCE Bank Project                | VHA – C 209/66/TP/HP | kW 35            | Air cooled chiller   | 3        |
| Yemen                            | VHA – C 425 /22/TP   | kW 160           | Air cooled chiller   | 1        |
| Tasnee - Al Jubail - KSA         | VSA-C 416/34/SP/LN   | kW 75            | Air cooled chiller   | 4        |
|                                  | VSA-C 412/34/SP/LN   | kW 90            | Air cooled chiller   | 1        |
|                                  | VSA-C 430/34/SP/LN   | kW 130           | Air cooled condenser | 4        |
|                                  | VSA-C 416/34/SP/LN   | kW 75            | Air cooled condenser | 4        |
|                                  | VSA-C 412/34/SP/LN   | kW 66            | Air cooled condenser | 1        |
|                                  | VSA-C 116/34/LN/SP   | kW 26            | Air cooled condenser | 7        |
| FOX Eco Line, Indonesien         | VHA – C 119 / 66/TP  | kW 26,8          | Air cooled chiller   | 1        |

## 2008 Projects

### East and West Europe

| Place                                | Model                      | Cooling Capacity  | Description                   | Quantity |
|--------------------------------------|----------------------------|-------------------|-------------------------------|----------|
| Ortner Villach                       | VSA - C 212 / 66           | kW 58             | Air cooled condenser          | 1        |
|                                      | VHA - B 112 / 66/TP        | kW 18,2           | Air cooled condenser          | 1        |
| Dietikon (CH)                        | VHH-C 225/66/SP            | kW 65<br>summer   | Water cooled chiller          | 1        |
|                                      |                            | kW 96,8<br>Winter |                               |          |
| Ortner RRT, Stölzle<br>Hermanova Hut | VSA - C 235 / 66           | kW 132            | Air cooled condenser          | 1        |
| Sabeco                               | VHR - C 206 / 34           | kW 22,5           | Air cooled chiller            | 1        |
| Manz Automation AG,<br>Reutlingen    | VHA - C 210 / TP           | kW 50             | Air cooled chiller            | 1        |
| Alder (TS)                           | VHA-C 211/66               | kW 43,82          | Air cooled chiller            | 1        |
| Getex (D)                            | VSA-C 428/66/R             | kW 275            | Air cooled condenser          | 1        |
| Copenhagen (DK)                      | VFC-C 425/66/TP            | kW 195            | Free - cooling water chiller  | 1        |
| Kom. Nek/Plagemann (D)               | VFC-C 230/66/TP/LN         | kW 108            | Free - cooling water chiller  | 1        |
| Bowling- Budapest (H)                | VSE - C 230 / 66           | kW 119,4          | Water cooled chiller          | 1        |
| Plagemann/Hoffmann                   | VSE - C 212 / 66/TP        | kW 49,5           | Water cooled chiller          | 1        |
| Seetalplatz LENZBURG                 | VFC- C 225 / 66 /<br>TP/LN | kW 121            | Free - cooling water chiller  | 1        |
|                                      | VHH -B 220 / 66<br>/HP     | kW 99             | Water cooled chiller          | 1        |
| Plagemann/Hoffmann                   | VSE - C 212 / 66<br>/TP    | kW 49.5           | Water cooled chiller          | 1        |
| KKK Project                          | VFC-C 109/66/TP            | kW 17             | Free - cooling water chiller  | 1        |
| Bad Homburg (D)                      | VSE 207 / 66/TP            | kW 30             | Water-cooled condensing units | 1        |
| VW-WOB, EG 61-62 (D)                 | VSE-C 216/66/TP            | kW 63             | Water cooled chiller          | 1        |

## East and West Europe

| Place                                                  | Model                    | Cooling Capacity | Description                  | Quantity |
|--------------------------------------------------------|--------------------------|------------------|------------------------------|----------|
| Spital Herisau                                         | VFC-C 219/66/TP          | kW 68            | Free - cooling water chiller | 1        |
| Seetalplatz LENZBURG                                   | VFC- C 225 /66/TP /LN    | kW 121           | Free - cooling water chiller | 1        |
|                                                        | VHH -B 220 / 66 /HP      | kW 99            | Water cooled chiller         | 1        |
| VW Wob./Caverion(D)                                    | VSE - C 225/ 66 /TP      | kW 96,           | Water cooled chiller         | 1        |
| Kraftwerk Eglisau -Glattfelden AG, Maschinenhaus Los B | VFC- C 125 / 66 /LN      | kW 45            | Free - cooling water chiller | 2        |
| VW Wob./Gesundheitsschutz (D)                          | VSE - C 207/ 66 / TP     | kW 30            | Free - cooling water chiller | 1        |
| 1190 Wien, Hohe Warte 25 (A)                           | VSE - C 225 / 66         | kW 94            | Water cooled chiller         | 1        |
| AWEBA(D)                                               | VFC - C 216 / 66 / TP    | kW 68            | Free - cooling water chiller | 1        |
| Strukturmetall GmbH, Bretzfeld-Schwabbach              | VSE-C 207/66/TP          | kW 30            | Water cooled chiller         | 1        |
| KKV-Geko Line, Haas Waffelmaschinen                    | VHA-C 106/66/TP          | kW 8             | Air cooled chiller           | 1        |
| Kälteanlage SPK 25000 W R134a                          | VHH - C 219 / 34/TP      | kW 31            | Water cooled chiller         | 1        |
| SABIC Innov Plastics (A)                               | VSA - C 211 /66          | kW 50            | Air-cooled condensing units  | 1        |
| Ide Mobler, Holboek (D)                                | VHA-C 219/66/TP          | kW 72            | Air cooled chiller           | 1        |
| Belgrad                                                | VHA - C 219 / 66/ HP/ TP | kW 75            | Water cooled chiller         | 1        |
| Praha (CZ)                                             | VHR 219/66               | kW 73            | Air cooled chiller           | 1        |
| Brno (CZ)                                              | VHA-B 250/04/TP          | kW 115           | Air cooled chiller           | 1        |
| HMG / SZST (D)                                         | VSE - C 209/ 66 / TP     | kW 34,7          | Water cooled chiller         | 1        |
| Budapest (H)                                           | VFC- C 130 / 66 / TP     | kW 62,5          | Free - cooling water chiller | 2        |
| Hertner GmbH (D)                                       | VHH-C 423/34/SP          | kW 110           | Water cooled chiller         | 1        |

## East and West Europe

| Place                                                           | Model                      | Cooling Capacity | Description                                                   | Quantity |
|-----------------------------------------------------------------|----------------------------|------------------|---------------------------------------------------------------|----------|
| KKV-Geko Line, Haas Waffelmaschinen (A)                         | VHA - C 106 / 66/TP        | kW 8             | Air cooled chiller                                            | 1        |
| R – Biopharm Pfungsstadt, cold storage room - Palettenlager (D) | VSA 212/34/SP              | kW 25 (X2)       | Air cooled chiller (one chiller made by two independent unit) | 1        |
| High Energy Technologies srl (I)                                | VHA – C 112 / 66 / PU / SP | kW 22            | Air cooled chiller                                            | 2        |
| High Energy Technologies srl (I)                                | VHA – C 112 / 22 / SP      | kW 24            | Air cooled chiller                                            | 2        |
| Praha (CZ)                                                      | VSA-C 230/66               | kW 131,2         | Air cooled condenser                                          | 1        |
| Volkswagen Wolfsburg, Halle 18 (D)                              | VSE 438/ 66 / TP           | kW 270           | Water cooled chiller                                          | 1        |
| TU/BS – Campus NORD (D)                                         | VSE - C 216 / 66 /TP       | kW 63            | Water cooled chiller                                          | 1        |
| VW/ WOB EG 70/71 (D)                                            | VSE 219 / 66 / PU          | kW 75,6          | Water cooled chiller                                          | 1        |
| GE-SABIC Kontrollraum(D)                                        | VSA - C 104 / 66           | kW 10            | Air-cooled condensing units                                   | 1        |
| KKK Project                                                     | VFC 238/66                 | kW 145           | Free - cooling water chiller                                  | 1        |
| Airco/PTB (D)                                                   | VSE–C 107/ 66/TP           | kW 17,4          | Water cooled chiller                                          | 1        |
| VW/Halle 1a (D)                                                 | VSE–C 107/ 66/TP           | kW 17,4          | Water cooled chiller                                          | 1        |
| 101566, Haas (D)                                                | VHH-C 125/66/TP            | kW 28            | Water cooled chiller                                          | 1        |
|                                                                 | VHA-C 106/66/SP/TP         | kW 8             |                                                               | 3        |
|                                                                 | VHA-C 119/34/TP/SP         | kW 18            |                                                               | 3        |
| VW/Thieme/EG 71-72(D)                                           | VSE - C 230 / 66 /TP       | kW 115,4         | Water cooled chiller                                          | 1        |
| Lüdenschied (D)                                                 | VFC-C 238 / 66 /TP         | kW 170           | Free - cooling water chiller                                  | 1        |
| Nord/LB (D)                                                     | VSE - C 219 / 66 /PU       | kW 75,6          | Water cooled chiller                                          | 1        |
| KWO Oberhasli, Innertkirchen (CH)                               | VHH 410/66                 | kW 100           | Water cooled chiller                                          | 1        |
| ZET- Zagreb (HR)                                                | VFC - C 205/ 66 /TP        | kW 18,4          | Free - cooling water chiller                                  | 2        |



## East and West Europe

| Place                                 | Model                 | Cooling Capacity | Description                   | Quantity |
|---------------------------------------|-----------------------|------------------|-------------------------------|----------|
| Junglinster Luxemburg, Luxemburg City | VSE 207/66/ST/TP      | kW 27,5          | Condenserless water chiller   | 1        |
| Aircraft / HDI (D)                    | VSE - C 219 / 66 /PU  | kW 75,6          | Water cooled chiller          | 2        |
| VW Halle 42                           | VSE - C 112 / 66 /TP  | kW 24,76         | Water cooled chiller          | 1        |
| Siemens Power Plant, Gent/Belgium     | VSA 116/66/ST         | kW 35            | Air cooled condenser          | 1        |
| 101575, Haas (D)                      | VHA-C 106/66/SP/TP    | kW 8             | Air cooled condenser          | 1        |
| Wisag / Klinikum BS (D)               | VSE 238 / 66          | kW 140           | Water cooled splitted chiller | 2        |
| Städt. Klinikum Braunschweig (D)      | VSE - C 216 / 66 /TP  | kW 60            | Water cooled splitted chiller | 1        |
| R – Biopharm Pfungstadt (D)           | VHA – C 124/66/HP/ TP | kW 50            | Air cooled water chiller      | 2        |
| Elledi S.p.a. (I)                     | VSA-C 211/34/SP       | kW 25            | Air condensing unit           | 2        |
| KKK Project                           | VSE 213/01/LLN        | kW 66            | Water cooled splitted chiller | 1        |
| KKK Project                           | VHA 208/66/PU/LN      | kW 32            | Air cooled chiller            | 1        |

## Russia - Latvia

| Place               | Model                      | Cooling Capacity | Description                 | Quantity |
|---------------------|----------------------------|------------------|-----------------------------|----------|
| Moscow              | VHA – C 219 / 66/TP        | kW 74,4          | Air cooled chiller          | 1        |
| Latvijas Mezi       | VHA – C 225 / 66 /TP       | kW 96,2          | Air cooled chiller          | 1        |
| “VENT ART” - Moskow | VSA – C 225 / 66           | kW 111,2         | Air cooled condenser        | 1        |
| Ozolnieki           | VSE – C 238 / 66 /TP       | kW 127           | Condenserless water chiller | 1        |
| “VENT ART” - Moskow | VHA – C 219 / 66/TP        | kW 74,4          | Air cooled chiller          | 1        |
| Byelorussia         | VSE – B 112 / 04 / BT/ EEX | kW 26            | Condenserless water chiller | 1        |

## Russia - Latvia

| Place                     | Model               | Cooling Capacity | Description          | Quantity |
|---------------------------|---------------------|------------------|----------------------|----------|
| Murjanu iela, Latvia-Riga | VHA – C 435 / 66/TP | kW 267           | Air cooled chiller   | 1        |
| Moscow                    | VHA-C 419/66/TP     | kW 158,8         | Air cooled chiller   | 1        |
| Alfa Climat - Moscow      | VHA 230/66/TP       | kW 125           | Air cooled chiller   | 1        |
| FIAT, Russia              | VHA 116/66/TP       | kW 34            | Water cooled chiller | 1        |
| OOO "Platinum" - Moscow   | VHA-C 430/66        | kW 250           | Air cooled chiller   | 1        |
|                           | VHA-C 125/66/TP     | kW 51            |                      | 1        |

## United Kingdom

| Place                    | Model                 | Cooling Capacity | Description          | Quantity |
|--------------------------|-----------------------|------------------|----------------------|----------|
| Hilton Hotel             | VHA – C 424 / 66      | kW 200           | Air cooled chiller   | 1        |
| Northside House, Oxford  | VHA – B 260 /66/SC    | kW 217           | Air cooled chiller   | 2        |
| Cooltherm Project (UK)   | VSA – C 209 / 66      | kW 36            | Air cooled condenser | 1        |
| Northside House, Oxford  | VHA – B 260 / 66/SC   | kW 217           | Air cooled chiller   | 2        |
| Lloyds Solihull          | VHR – C 424 / 66 /SP  | kW 171           | Air cooled chiller   | 1        |
| Cooltherm Project (UK)   | VHR – C 219/ 66/HP    | kW 75<br>Summer  | Air cooled chiller   | 1        |
|                          |                       | kW 80<br>Winter  |                      |          |
| Cooltherm Project (UK)   | VHA – C 425/ 66/LLN   | kW 198           | Air cooled chiller   | 2        |
| Tex Plastic Products Ltd | VHA – V 230/TP/LLN    | kW 130           | Air cooled chiller   | 1        |
| Hilton Watford UK/IT     | VHA-C 238/66/TP       | kW 155           | Air cooled chiller   | 1        |
| Cooltherm Project (UK)   | VHA – B 215/34/HP/LLN | kW 66<br>Summer  | Air cooled chiller   | 1        |

## United Kingdom

| Place                  | Model                     | Cooling Capacity                   | Description                  | Quantity |
|------------------------|---------------------------|------------------------------------|------------------------------|----------|
|                        |                           | kW 54<br>Winter                    |                              |          |
| Cooltherm Project (UK) | VHA – B 215/34/HP/<br>LLN | kW 66<br>Summer<br>kW 54<br>Winter | Air cooled chiller           | 2        |
| Cooltherm Project (UK) | VSA – C 209 / 66          | kW 36                              | Air cooled condenser         | 1        |
| 4 Park Place           | VHA-C424/66/LN/ SP        | kW 165                             | Air cooled chiller           | 1        |
| Lloyds Tredegar House  | VHA-C 225/66/LN/TP        | kW 110                             | Air cooled chiller           | 1        |
|                        | VFC-C 225/66/LN/TP        |                                    | Free - cooling water chiller | 1        |

## Middle East and Asia

| Place                                                         | Model                        | Cooling Capacity | Description        | Quantity |
|---------------------------------------------------------------|------------------------------|------------------|--------------------|----------|
| Republic of Kazakhstan                                        | VHA – C 116/66               | kW 35            | Air cooled chiller | 1        |
| Republic of Kazakhstan                                        | VHA – C 238 / 66/TP          | kW 154,4         | Air cooled chiller | 1        |
| KKV-Fox- Eco- Line, Saudi Arabia                              | VHA - C 119 / 34 /<br>SP /TP | kW 18            | Air cooled chiller | 2        |
| Water chiller for wafer cooling<br>- Haas Food Mach. Shanghai | VHA -C 119/66                | kW 26,8          | Air cooled chiller | 1        |
|                                                               | VHA -C 112/66                | kW 17,8          |                    | 1        |

## 2009 Projects

### United Kingdom

| Place                                 | Model                 | Cooling Capacity             | Description                                                                                                | Quantity |
|---------------------------------------|-----------------------|------------------------------|------------------------------------------------------------------------------------------------------------|----------|
| Corsham                               | VHA-C 238/66/PU       | kW 154,4                     | Air cooled chiller                                                                                         | 2        |
| Logica 1230 Lansdown Road, Cheltenham | VFC-C 219/66/TP       | kW 80                        | Air cooled chiller                                                                                         | 2        |
| Bristol                               | VHA-C 211/66/TP/LLN   | kW 40                        | Air cooled chiller                                                                                         | 2        |
| Bristol                               | VHA-C 219/66/LLN      | kW 70                        | Water chiller with air condenser for outdoor installation, with axial fans                                 | 1        |
| Bristol                               | VSA-C 209/66          | kW 36                        | Condensing units with air condensation for outdoor installation, with axial fans                           | 1        |
|                                       | VHA-B 220/34/HP       | kW 80 summer<br>kW 66 winter | Water chiller with air condenser for outdoor installation, with hermetic scroll compressors and axial fans | 2        |
| Waitrose, Altrincham                  | VHA-B 212/09          | kW 76                        | Water chiller with air condensation for outdoor installation, with axial fans                              | 1        |
| Waitrose, Woodley                     | VFC-B 225/290/LPA/LLN | kW 135                       | Free cooling water chiller with air condensation for outdoor installation, with axial fans                 | 2        |
| Waitrose, Lutterworth                 | VFC-B 222/290/LPA/LLN | kW 122                       | Free cooling water chiller with air condensation for outdoor installation, with axial fans                 | 2        |

### East and West Europe

| Place                           | Model              | Cooling Capacity | Description                   | Quantity |
|---------------------------------|--------------------|------------------|-------------------------------|----------|
| KH Mechenich – Dr. Matthias (D) | VSE-C 230/66/TP/SP | kW 110           | Water cooled splitted chiller | 1        |
|                                 | VRC-C 230/66/LLN   | kW 145           | Remote condenser              | 1        |
| MA Project (H)                  | VSE-C 427/66/HR    | kW 208           | Condenserless water chiller   | 1        |
| Rolex Le Locle (CH)             | VHH-B 170/34/LN/SP | kW 150           | Water cooled chiller          | 1        |
| Rolex Doniar (CH)               | VHA-C 219/66/LN/TP | kW 69            | Water cooled chiller          | 1        |

## East and West Europe

| Place                                           | Model                   | Cooling Capacity | Description                                                                      | Quantity |
|-------------------------------------------------|-------------------------|------------------|----------------------------------------------------------------------------------|----------|
| Staatl. BM Lüneburg (D)                         | VSE-C 219/66/TP         | kW 75,6          | Water cooled splitted chiller                                                    | 1        |
| Pro/Leif Hansen Rädg,<br>Copenhagen (DK)        | VHA-B 220/290/SP/<br>TP | kW 99            | Water chiller with air condenser for outdoor installation, with axial fans       | 1        |
| Tropeninstitut (CH)                             | VFC-C 209/66/LLL/<br>PU | kW 32            | Free cooling water chiller with air condensation                                 | 1        |
| Rapspresse (Biodiesel),<br>Thüringen (D)        | VHA 130/66/ST/TP        | kW 60            | Water cooled chiller                                                             | 1        |
| KH Mechenich Nuklearmedizin<br>(D)              | VSE-C 119/66/TP/SP      | kW 37,80         | Water cooled splitted chiller                                                    | 1        |
|                                                 | VRC-C 119/66/LLN        | kW 50            | Remote condenser                                                                 | 1        |
| KH Mechenich NB<br>Praxisgebäude 2 (D)          | VSE-C 112/66/TP         | kW 24,76         | Water cooled splitted chiller                                                    | 1        |
|                                                 | VRC-C 112/66/LLN        | kW 33            | Remote condenser                                                                 | 1        |
| VW/WOB/EG53-THIEME (D)                          | VHH-C 216/66/TP         | kW 71            | Water chiller with water condensation for indoor installation, with axial fans   | 1        |
| KKV – Gekko Line (A)                            | VHA-C 106/66/SP/TP      | kW 8             | Water chiller with air condensation for outdoor installation, with axial fans    | 1        |
| Pro Reno (CH)                                   | VHA 135/723/TP          | kW 35,0          | Water chiller with air condensation for outdoor installation, with axial fans    | 1        |
| NDS-Landtag (D)                                 | VHH 210/01              | kW 44            | Water chiller with water condensation for indoor installation                    | 1        |
| Siemens- Malzenice-Slowakei<br>(D)              | VSA-C 209/66 (O) ST     | kW 37            | Condensing units with air condensation for outdoor installation, with axial fans | 1        |
| Caverion/VW Wob halle 16 (D)                    | VSE-C 430/66/TP         | kW 230,8         | Water cooled splitted chiller                                                    | 1        |
| Glyn Hughes Bks (D)                             | VSE-C 219/66/PU         | kW 75,6          | Water cooled splitted chiller                                                    | 1        |
| Siemens Power Plant, Severn<br>Power, Wales (D) | VSA-C 119/66 ST         | kW 45            | Condensing units with air condensation for outdoor installation, with axial fans | 1        |
| Bächler & Güttinger (D)                         | VHH-C 225/34/HP         | kW 93,6          | Water chiller with water condensation for indoor installation                    | 1        |

## East and West Europe

| Place                                   | Model           | Cooling Capacity | Description                                                                                | Quantity |
|-----------------------------------------|-----------------|------------------|--------------------------------------------------------------------------------------------|----------|
| Technische Universität Braunschweig (D) | VFC-C 412/66/LN | kW 95            | Free cooling water chiller with air condensation for outdoor installation, with axial fans | 1        |
| Seetalstrasse (CH)                      | VHA-C 225/66    | kW 100           | Water chiller with air condensation for outdoor installation, with axial fans              | 1        |
| Lammy Lutti (B)                         | VHR 230/66/TP   | kW 120           | Water chiller with air condensation for indoor installation, with radial fans              | 1        |

## Middle East and Asia

| Place                  | Model        | Cooling Capacity | Description            | Quantity |
|------------------------|--------------|------------------|------------------------|----------|
| Dubai                  | VSH-B 304/04 | kW 30,6          | Water cooled condenser | 1        |
| Republic of Kazakhstan | VSA 130      | kW 23,2          | Air cooled condenser   | 1        |
|                        | VSA 238      | kW 35,7          | Air cooled condenser   | 1        |
|                        | VSA 211      | kW 68,4          | Air cooled condenser   | 1        |
|                        | VSA 116      | kW 46,4          | Air cooled condenser   | 1        |
|                        | VSA 111      | kW 168,7         | Air cooled condenser   | 1        |

## Russia - Latvia

| Place                                  | Model              | Cooling Capacity | Description                                                                      | Quantity |
|----------------------------------------|--------------------|------------------|----------------------------------------------------------------------------------|----------|
| Sochi (Moscow)                         | VFC 425/66         | kW 200           | Free-cooling type water chiller with air condensation                            | 2        |
| Clinica Roshalya (Moscow)              | VHR-C 209/66/TP    | kW 36,2          | Water chiller with air condensation for indoor use                               | 1        |
| Moscow                                 | VSE-C 424/66/TP    | kW 180           | Condenserless water chiller for indoor installation                              | 2        |
| Production and preserving meat, Bryank | VFC-C 212 / 66 /TP | kW 49,2          | Free - cooling water chiller                                                     | 1        |
| Moscow                                 | VSA-C 211/22       | kW 48            | Condensing units with air condensation for outdoor installation, with axial fans | 1        |
| Taneko                                 | VHA-C 216/66/TP    | kW 65.2          | Air cooled chiller                                                               | 2        |

## 2010 Projects

### Russia - Latvia

| Place                     | Model           | Cooling Capacity | Description                                                                   | Quantity |
|---------------------------|-----------------|------------------|-------------------------------------------------------------------------------|----------|
| 071/10 - Moscow           | VHA 119/66/TP   | kW 40            | Water chiller with air condensation for outdoor installation                  | 1        |
| ZAO "EKO – Stroj", Russia | VHA-C 207/04/TP | kW 22            | Water chiller with air condensation for outdoor installation, with axial fans | 3        |
| Aseptica, 600068          | VHA 212/66/TP   | kW 49,2          | Water chiller with air condensation for outdoor installation, with axial fans | 1        |

### East and West Europe

| Place                           | Model              | Cooling Capacity | Description                                                                                 | Quantity |
|---------------------------------|--------------------|------------------|---------------------------------------------------------------------------------------------|----------|
| Dietikon(CH)                    | VHH-B 403/04/BT    | kW 40            | Water chiller with water condensation for indoor installation                               | 2        |
| HMG / Salzgitter Flachstahl (D) | VSE 211/66/TP      | kW 42,7          | Condenserless water chiller for indoor installation                                         | 1        |
| Carbagas (CH)                   | VFC-C 211/66/TP    | kW 48,4          | Free cooling water chiller with air condensation for outdoor installation, with axial fans  | 1        |
| Birner - Schmöln (D)            | VFC-C 230/66/TP    | kW 154           | Free cooling water chiller with air condensation for outdoor installation, with axial fans  | 1        |
| Sparkasse Bank, Sarajevo (BIH)  | VFC-C 119/66/LN/TP | kW 33,8          | Free cooling water chillers with air condensation for outdoor installation, with axial fans | 1        |
|                                 | VFC-C 130/66/LN    | kW 61,3          |                                                                                             | 1        |
| Städtisches Klinikum BS (D)     | VSE 412/66         | kW 100           | Condenserless water chiller for indoor installation                                         | 1        |
| Udine (I)                       | VHA-C 112/22/SP    | kW 24            | Water chiller with air condensation for outdoor installation, with axial fans               | 1        |
| Krokow (PL)                     | VHA-B 222/04/BT    | kW 32            | Water chiller with air condensation for outdoor installation, with axial fans               | 1        |
| Nord/LB Dankwardstraße (D)      | VFC 412/66/TP/LLN  | kW 115           | Free cooling water chiller with air condensation for outdoor installation, with axial fans  | 1        |



## East and West Europe

| Place                        | Model              | Cooling Capacity | Description                                                                      | Quantity |
|------------------------------|--------------------|------------------|----------------------------------------------------------------------------------|----------|
| Dubrownik (HR)               | VHR-C 216/66/HP    | kW 61,2          | Water chiller with air condensation for indoor installation, with radial fans    | 1        |
| Jura (CH)                    | VFC-C 219/66/TP    | kW 92            | Free cooling chiller                                                             | 1        |
| Praha (CZ)                   | VSA-C 230/66       | kW 131,2         | Condensing units with air condensation for outdoor installation, with axial fans | 2        |
|                              | VSA-C 417/66       | kW 156,2         |                                                                                  | 4        |
| Aircraft (D)                 | VHA-C 225/66/TP/LN | kW 94            | Water chiller with air condensation for outdoor installation, with axial fans    | 1        |
| Carquefou (F)                | VHA-C 438/66/HP/SP | kW 312           | Water chiller with air condensation for outdoor installation, with axial fans    | 1        |
| Merignac (F)                 | VHA 216/66/HP      | kW 65,2          | Water chiller with air condensation, heat pump version                           | 1        |
| Bajra Project, 700182        | VHA-C 230/66/TP    | kW 118           | Aircooled water chiller                                                          | 1        |
| Haus Hessenkopf/neu (D)      | VSE-C 219/66       | kW 75,6          | Condenserless water chiller for indoor installation                              | 1        |
| Hotel Revita/ Suchfort (D)   | VHA-C 111/66/TP    | kW 20,1          | Water chiller with air condensation for outdoor installation, with axial fans    | 2        |
| Glyn Hughes 2. BA (D)        | VSE-C 219/66/PU    | kW 75,6          | Condenserless water chiller for indoor installation                              | 1        |
| VW Wob / Verwaltungshochhaus | VSE 219/66/TP      | kW 75,6          | Condenserless water chiller for indoor installation                              | 1        |
| Novosibirsk                  | VHA 112/66/SP      | kW 22            | Water chiller with air condensation for outdoor installation, with axial fans    | 2        |
| Waddinxveen - Holland        | VHA-B 150/717/TP   | kW 76            | Water chiller with air condensation for outdoor installation                     | 1        |
| Grossbäckerei (D)            | VSE-C 105/66/TP    | kW 10,4          | Condenserless water chiller for indoor installation                              | 1        |
| VW Wob / Sektor 54 (D)       | VHH 211/66/TP      | kW 44            | Water chiller with water condensation for indoor installation                    | 1        |
| Kom. VW Wob / EG 68 (D)      | VSE 212/66/TP      | kW 49,5          | Condenserless water chiller for indoor                                           | 1        |

## East and West Europe

| Place | Model | Cooling Capacity | Description  | Quantity |
|-------|-------|------------------|--------------|----------|
|       |       |                  | installation |          |

## United Kingdom

| Place                             | Model                 | Cooling Capacity | Description                                                                                | Quantity |
|-----------------------------------|-----------------------|------------------|--------------------------------------------------------------------------------------------|----------|
| Waitrose, Ashbourne               | VFC-B 212/290/LPA/LLN | kW 70            | Free cooling water chiller with air condensation for outdoor installation, with axial fans | 2        |
| CNBC, London                      | VHR-C 425/66          | kW 190           | Water chiller with air condensation for indoor installation, with radial fans              | 2        |
| Bristol                           | VHA-B 240/34/HP/LLN   | kW 80            | Water chiller with air condensation for outdoor installation, with axial fans              | 1        |
| 55 Conduit Street                 | VHA-C 208/66/SP/EN    | kW 32            | Water chiller with air condensation for outdoor installation, with axial fans              | 1        |
| T5 Hilton -London                 | VHA-C 830/66/EN       | kW 500           | Water chiller with air condensation for outdoor installation, with axial fans              | 3        |
| Waitrose- - Raynes Park           | VFR 2V25/290          | kW 109           | Free cooling chiller with radial fans                                                      | 2        |
| Crystal Palace Milan for Waitrose | VHA-C 219/34/LLN      | kW 46            | Water chiller with air condensation for outdoor installation                               | 2        |

## Middle East and Asia

| Place                                                                     | Model        | Cooling Capacity | Description                                                                   | Quantity |
|---------------------------------------------------------------------------|--------------|------------------|-------------------------------------------------------------------------------|----------|
| Republic of Kazakhstan                                                    | VSA 219/66   | kW 81.5          | Condensing unit with air condensation                                         | 1        |
| Al Motahar Towers, 3rd and 4th floor, Diplomatic Area - Republic of Yemen | VHA-C 425/22 | kW 160           | Water chiller with air condensation for outdoor installation                  | 1        |
| Republic of Kazakhstan                                                    | VHA 238/66   | kW 170           | Water chiller with air condensation for outdoor installation, with axial fans | 2        |

## 2011 Projects

### Russia - Latvia

| Place          | Model            | Cooling Capacity | Description                                                                      | Quantity |
|----------------|------------------|------------------|----------------------------------------------------------------------------------|----------|
| Moskow         | VSA 112/66       | kW 27            | Condensing unit with air condensation                                            | 1        |
| Fair in Moskow | VSA 104/66       | kW 8,6           | Condensing units with air condensation for outdoor installation, with axial fans | 1        |
| Sberbank       | VSA 116/34       | kW 30            | Condensing units with air condensation for outdoor installation                  | 2        |
| Furmanov       | VSE 230/66/TP    | kW 120           | Condenserless water chiller for indoor installation                              | 1        |
| Moskow         | VSA 111/66       | kW 23,2          | Condensing units with air condensation for outdoor installation, with axial fans | 2        |
| Nischni Tagil  | VHA-C 207/04/TP  | kW 22            | Water chiller with air condensation for outdoor installation, with axial fans    | 2        |
| Moskow         | VSA 111/66       | kW 23,2          | Condensing units with air condensation for outdoor installation, with axial fans | 1        |
|                |                  | kW 35,7          |                                                                                  | 1        |
| NII            | VHA 438/66/TP/SP | kW 320           | Water chiller with air condensation for outdoor installation, with axial fans    | 1        |

### East and West Europe

| Place                   | Model             | Cooling Capacity | Description                                                                                | Quantity |
|-------------------------|-------------------|------------------|--------------------------------------------------------------------------------------------|----------|
| Praha (CZ)              | VSA-C 230/66      | kW 138           | Condensing units with air condensation for outdoor installation, with axial fan            | 1        |
| VW Wob Eingang 70-71    | VSE 209/34/TP     | kW 40            | Condenserless water chiller for indoor installation                                        | 1        |
| Theater Celle (D)       | VFC 225 / 66 / LN | kW 92,0          | Free cooling water chiller with air condensation for outdoor installation, with axial fans | 2        |
| Radar Campus (D)        | VHA 416/66 LLN    | kW 114           | Water chiller with air condensation for outdoor installation, with axial fans              | 1        |
| Baxmann / OLG Celle (D) | VSE 212/66/TP     | kW 49,5          | Condenserless water chiller for indoor installation                                        | 1        |

## East and West Europe

| Place                        | Model                  | Cooling Capacity | Description                                                                                | Quantity |
|------------------------------|------------------------|------------------|--------------------------------------------------------------------------------------------|----------|
| LIDL - Graben (A)            | VHA-B 105/290/TP       | kW 12,5          | Air cooled adiabatic chiller                                                               | 2        |
| Enns (A)                     | VFC 619- 66 PU         | kW 250           | Free cooling water chiller with air condensation for outdoor installation, with axial fans | 1        |
| EDEKA Supermarkt Scherer (D) | VHH-B 225/290/BT       | kW 96,4          | Water chiller with water condensation                                                      | 1        |
| Courchevel -Le Praz (F)      | VHA-C 207/04/TP        | kW 22            | Water chiller with air condensation for outdoor installation, with axial fans              | 1        |
| Airco (D)                    | VSA 208/66             | kW 39,6          | Condensing units with air condensation for outdoor installation, with axial fans           | 1        |
| VW Halle 2 (D)               | VHH-C 416/66/TP        | kW 130           | Water chiller with water condensation for indoor installation                              | 1        |
| VW Wob YIT (D)               | VSE 212/66/TP          | kW 49,5          | Condenserless water chiller for indoor installation                                        | 1        |
| Projekt Lackmann (D)         | VHA B 450/290/BT TP    | kW 298           | Water chiller with air condensation for outdoor installation                               | 1        |
| Aircraft (D)                 | VSE 106/66/TP          | kW 12            | Condenserless water chiller for indoor installation                                        | 1        |
|                              | VSE 106/66/TP          | kW 20            |                                                                                            | 1        |
| Rodiag, Wil (CH)             | VFC 219/01/TP/LLN      | kW 90            | Free cooling water chiller with air condensation for outdoor installation, with axial fans | 1        |
| Alte Saline (D)              | VHH F 225/290 HR       | kW 100           | Water chiller with water condensation                                                      | 1        |
| Exhibition (D)               | VHA-B 105/290/TP       | kW 12,5          | Adiabatic cooler water chiller                                                             | 1        |
| Bubenbergplatz (CH)          | VHA 425/66 SP EC       | kW 220           | Water chiller with air condensation for outdoor installation, with axial fans              | 2        |
| Kerkenpass (D)               | VHA F440/290/HR/ PU BT | kW 276           | Adiabatic cooler water chiller for outdoor installation                                    | 3        |
| Praha (CZ)                   | VFC-C 216/66/SP        | kW 24+24         | Free cooling water chiller with air condensation for outdoor installation, with axial fans | 1        |
| Leuna (D)                    | VSA 116/66             | kW 38            | Condensing unit                                                                            | 1        |

## East and West Europe

| Place                     | Model             | Cooling Capacity | Description                                                                                | Quantity |
|---------------------------|-------------------|------------------|--------------------------------------------------------------------------------------------|----------|
| LIDL - 78183 Hülfigen (D) | VHA-B 105/290/TP  | kW 12,5          | Adiabatic cooler water chiller                                                             | 1        |
| LIDL - Gera (D)           | VHA-B 105/290/TP  | kW 12,5          | Adiabatic cooler water chiller                                                             | 1        |
| Brose V (CZ)              | VFC 238/66        | kW 130           | Free cooling water chiller with air condensation for outdoor installation, with axial fan  | 1        |
|                           | VFC 230/66        | kW 105           |                                                                                            | 1        |
| Brandys nad Labem (CZ)    | VHA 112/66/TP (O) | kW 24,6          | Water chiller with air condensation for outdoor installation, with axial fans              | 1        |
| Hinternah (D)             | VFC 427/66        | kW 235           | Free cooling water chiller with air condensation for outdoor installation, with axial fans | 1        |
| Arganda del Rey (E)       | VHA 119-66-TP     | kW 40,6          | Water chiller with air condensation for outdoor installation, with axial fans              | 1        |
| Selecta Kirchberb (D)     | VHH-B 110/34/HP   | kW 35,5          | Water chiller with water condensation for indoor installation                              | 1        |
| Hofpisterei - München (D) | VHA F4V35/290/TP  | kW 300           | Adiabatic cooler water chiller                                                             | 1        |
| Dübendorf (CH)            | VFC 225/10/PU     | kW 85            | Free cooling water chiller with air condensation for outdoor installation, with axial fans | 1        |
|                           | VFC 104/10/TP     | kW 8,1           | Free cooling water chiller with air condensation for outdoor installation, with axial fans | 1        |
|                           | VHH 116/10        | kW 35,7 (summer) | Water chiller with water condensation for indoor installation                              | 1        |
| kW 22,9 (winter)          |                   |                  |                                                                                            |          |
| GH Poststrasse Zug (CH)   | VSE 216/01/LN     | kW 63            | Condenserless water chiller for indoor installation                                        | 1        |
| Goodrich (PL)             | VHA-C 238/66/TP   | kW 170           | Water chiller with air condensation for outdoor installation, with axial fans              | 1        |
|                           | VHA-C 225/66/TP   | kW 60            | Water chiller with air condensation for outdoor installation, with axial fans              | 1        |

## United Kingdom

| Place                          | Model             | Cooling Capacity | Description                                                                                | Quantity |
|--------------------------------|-------------------|------------------|--------------------------------------------------------------------------------------------|----------|
| Waitrose, Shrewsbury           | VFC 411/66/TP/LLN | kW 96            | Free cooling water chiller with air condensation for outdoor installation, with axial fans | 1        |
| Waitrose, Tottenham Court Road | VSE 424/34        | kW 139,6         | Condenserless water chiller for indoor installation                                        | 1        |
| Waitrose, Project Troy 4       | VFR 2V25/290      | kW 135           | Free cooling chiller with radial fans                                                      | 2        |
| Waitrose, High Holborn         | VSE 419/34/TP/LLN | kW 137           | Condenserless water chiller for indoor installation                                        | 1        |
| Waitrose, Great Malvern        | VFR 2Z35/290      | kW 200           | Free cooling chiller with radial fans                                                      | 1        |
|                                | VFR 2Z35/290      | kW 200           |                                                                                            | 1        |
| Horizon House, Epsom           | VHA-C 430/10      | kW 250           | Water chiller with air condensation for outdoor installation                               | 1        |

## 2012 Projects

### East Europe

| Place                  | Model            | Cooling Capacity | Description                                                                   | Quantity |
|------------------------|------------------|------------------|-------------------------------------------------------------------------------|----------|
| Krakow (PL)            | VHA 638/01/TP/SP | kW 470           | Water chiller with air condensation for outdoor installation, with axial fans | 1        |
|                        | VHA 638/01/TP/SP | kW 550           |                                                                               | 1        |
| Hospital Jana Pawła II | VSE-C 107/66 TP  | kW 14,11         | Condenserless water chillers for indoor installation                          | 1        |
|                        | VSE-C 219/66 TP  | kW 75,6          |                                                                               | 1        |

### West Europe

| Place                     | Model                | Cooling Capacity | Description                                                                                | Quantity |
|---------------------------|----------------------|------------------|--------------------------------------------------------------------------------------------|----------|
| Reichenbach               | VHH F 4V35-290-BT    | kW 180           | Water chiller with water condensation for indoor installation                              | 1        |
| Marienstift (D)           | VSE 216/66/TP        | kW 61,4          | Condenserless water chiller for indoor installation                                        | 1        |
| VW Wob- Halle 37 (D)      | VSE B 422/34/TP SP   | kW 16,95         | Condenserless water chiller for indoor installation                                        | 1        |
| Residenz Bella Vista (CH) | VSH-C 104/01/SP      | kW 7,2           | Water cooler                                                                               | 1        |
| Schwarzenbach/Saale (D)   | VFC 424/66/TP        | kW 200           | Free cooling water chiller with air condensation for outdoor installation, with axial fans | 1        |
| Tübach (CH)               | VHA ENERGY 230-66-PU | kW 131           | Water chiller with air condensation for outdoor installation, with axial fans              | 1        |
| VW Wob- Sektor 69 (D)     | VSE 109/66/TP        | kW 16,95         | Condenserless water chiller for indoor installation                                        | 1        |
| Balingen (D)              | VFC 109/01/TP        | kW 23,7          | Free cooling water chiller with air condensation for outdoor installation, with axial fans | 1        |
| Ternitz (A)               | VSA-C 224/66         | kW 94,8          | Condensing unit                                                                            | 1        |
| Hertenstein (CH)          | VHH-C 438/34/HP      | kW 240           | Water chiller with water condensation for indoor installation                              | 2        |

## West Europe

| Place                        | Model                | Cooling Capacity | Description                                                                                | Quantity |
|------------------------------|----------------------|------------------|--------------------------------------------------------------------------------------------|----------|
| Städtisches Klinikum (D)     | VSE 438/66           | kW 300           | Condenserless water chiller for indoor installation                                        | 1        |
| BV DLR Braunschweig (D)      | VHA 211/66/LN/PU     | kW 31,6          | Water chiller with air condensation for outdoor installation, with axial fans              | 1        |
| Dällikon (CH)                | VHA F 212/34 HP      | kW 38,6          | Aircooled water chiller                                                                    | 1        |
| Cem (I)                      | VHA-M 110/66         | kW 17            | Aircooled water chiller                                                                    | 1        |
| TU CLAUSTRAL (D)             | VSE 111/66 TP        | kW 20,5          | Condenserless water chiller for indoor installation                                        | 1        |
|                              | VSE 218/66           | kW 98            |                                                                                            | 1        |
| Schulhaus Weggis (CH)        | VHH-C 430/34/HP      | kW 124           | Water chiller with water condensation for indoor installation                              | 2        |
| Austria                      | VFC 219/66/PU/LLN/SP | kW 82            | Free cooling water chiller with air condensation for outdoor installation, with axial fans | 2        |
| High Energy Technologies (I) | VHA 112/66/SP        | kW 22            | Water chiller with air condensation for outdoor installation, with axial fans              | 1        |
|                              | VHA 106/66/SP        | kW 11            |                                                                                            | 1        |
| VW Kraftwerk (D)             | VSE230/34            | kW 78            | Condenserless water chiller for indoor installation                                        | 1        |
| Flora Zürich (CH)            | VSR 419 01 SP        | kW 198           | Air cooled condenser                                                                       | 1        |

## United Kingdom

| Place                             | Model           | Cooling Capacity | Description                                                  | Quantity |
|-----------------------------------|-----------------|------------------|--------------------------------------------------------------|----------|
| Waitrose, Colmore row, Birmingham | VFR 2V20/HFO/TP | kW 90            | Free cooling chiller with radial fans                        | 1        |
| Bristol                           | VHA-C 416/66/TP | kW 120           | Water chiller with air condensation for outdoor installation | 1        |
| Bristol                           | VSE-C 238/01    | kW 134           | Condenserless water chiller for indoor installation          | 1        |
| Lacon House                       | VHA-C 219/66    | kW 77            | Water chiller with air condensation for outdoor installation | 2        |



## United Kingdom

| Place                 | Model           | Cooling Capacity | Description                                                   | Quantity |
|-----------------------|-----------------|------------------|---------------------------------------------------------------|----------|
| Bristol               | VHA 415/34      | kW 90            | Water chiller with air condensation for outdoor installation  | 1        |
| Gloucester Council    | VHA-C 116/66    | kW 30            | Water chiller with air condensation for outdoor installation  | 1        |
| Waitrose, Cirencester | VHA 205 01 TK   | kW 10            | Water chiller with air condensation                           | 1        |
| Gt Sutton Street      | VHH C 138/01/SP | kW 128,9         | Water chiller with water condensation for indoor installation | 3        |

## Russia - Latvia

| Place    | Model             | Cooling Capacity | Description                                                                      | Quantity |
|----------|-------------------|------------------|----------------------------------------------------------------------------------|----------|
| Furmanov | VSA-C 103/66/EEEX | kW 6,42          | Condensing units with air condensation for outdoor installation, with axial fans | 1        |
| Furmanov | VHA 425/66/TP     | kW 210           | Water chiller with air condensation for outdoor installation, with axial fans    | 1        |
| Furmanov | VHA 105/66/TP     | kW 9,6           | Water chillers with air condensation for outdoor installation, with axial fans   | 2        |
| Furmanov | VHA 111/66/TP     | kW 21,2          | Water chillers with air condensation for outdoor installation, with axial fans   | 2        |
| Furmanov | VHA 116/66/TP     | kW 32,6          | Water chillers with air condensation for outdoor installation, with axial fans   | 2        |
| Furmanov | VHA 211/66/TP     | kW 42,4          | Water chillers with air condensation for outdoor installation, with axial fans   | 2        |
| Furmanov | VHA 216/66/TP     | kW 65,2          | Water chillers with air condensation for outdoor installation, with axial fans   | 2        |
| Furmanov | VHA 225/66/TP     | kW 101,4         | Water chillers with air condensation for outdoor installation, with axial fans   | 2        |
| Furmanov | VHA 430/66/ HP/TP | kW 252,8         | Water chillers with air condensation for outdoor installation, with axial fans   | 1        |
| Furmanov | VHA-C 435/66/TP   | kW 240           | Water chillers with air condensation for outdoor installation, with axial fans   | 1        |
| Furmanov | VSA 111/66        | kW 23,2          | Condensing units with air condensation for                                       | 1        |

## Russia - Latvia

| Place    | Model           | Cooling Capacity | Description                                                                      | Quantity |
|----------|-----------------|------------------|----------------------------------------------------------------------------------|----------|
| Furmanov | VSA 125/66      | kW 55,6          | outdoor installation, with axial fans                                            | 3        |
| Furmanov | VSA 105/66      | kW 10,6          |                                                                                  | 1        |
| Furmanov | VSA 108/66      | kW 15,6          |                                                                                  | 1        |
| Furmanov | VSA 225/66      | kW 111,2         |                                                                                  | 2        |
| Furmanov | VSA 119/66      | kW 40            | Condensing units with air condensation for outdoor installation, with axial fans | 1        |
| Furmanov | VHA C 630/01 TP | kW 444           | Water chillers with air condensation for outdoor installation, with axial fans   | 2        |
| Furmanov | VHA 230-01 TP   | kW 125           | Water chillers with air condensation for outdoor installation, with axial fans   | 1        |
|          | VHA 248-01 TP   | kW 210           |                                                                                  | 3        |
| Ventart  | VSA 104/66      | kW 9             | Condensing unit with air condensation for outdoor installation, with axial fans  | 1        |

## World

| Place        | Model               | Cooling Capacity | Description                                                   | Quantity |
|--------------|---------------------|------------------|---------------------------------------------------------------|----------|
| Saudi Arabia | VHH B 1-446G 34 EEX | kW 75            | Water chiller with water condensation for indoor installation | 1        |

## 2013 Projects

### West Europe

| Place                             | Model                      | Cooling Capacity | Description                                                                      | Quantity |
|-----------------------------------|----------------------------|------------------|----------------------------------------------------------------------------------|----------|
| Oberwiesenthal (D)                | VHA-C 207/04/TP            | kW 22            | Water chiller with air condensation for outdoor installation, with axial fans    | 1        |
| Tschagguns (D)                    | VHA-C 207/04/TP            | kW 22            | Water chiller with air condensation for outdoor installation, with axial fans    | 2        |
| Austria                           | VFC 225/66/TP              | kW 111           | Free Cooling unit                                                                | 1        |
| Pordenone (I)                     | VHA 2210A EC-01-SPEC       | kW 90            | Water chiller with air condensation for outdoor installation, with axial fans    | 1        |
| Sprungschanze Japan (D)           | VHA-C 207/04/TP            | kW 22            | Water chiller with air condensation for outdoor installation, with axial fans    | 1        |
| France                            | VHA V 211                  | kW 42            | Water chiller with air condensation for outdoor installation, with axial fans    | 1        |
| Agriturismo Le Giarine (I)        | VHA 1090C EC-01            | kW 20            | Water chiller with air condensation for outdoor installation, with axial fans    | 1        |
| VW Wolfsburg / Sektor 23 (D)      | VSE 219-34                 | kW 50            | Condenserless water chiller for indoor installation                              | 1        |
| Freezol (A)                       | VSA 209/34                 | kW 22            | Condensing units with air condensation for outdoor installation, with axial fans | 2        |
| 13 KHH Lörrach KW Kälteanlage (D) | VHH-C 430/01/SP            | kW 290           | Water chiller with water condensation for indoor installation                    | 1        |
| Lichtenstein                      | VFC 2760A AC-01            | kW 356           | Free Cooling water chiller with air condensation                                 | 1        |
| Projekt Eichberger                | VHH F 125/290              | kW 47            | Water chiller with water condensation for indoor installation                    | 1        |
| Projekt Rewe Supermarkt           | VHH F 3V20 290 PU          | kW 80            | Water chiller with water condensation for indoor installation                    | 1        |
| CSL                               | VHH F 4W60-290 HR FCPHE PU | kW 670           | Water chiller with water condensation                                            | 1        |
| Lidl Serverkuehlung               | VHA F 1D04 290 TP          | kW 12,27         | Water chiller with air condensation for outdoor installation                     | 2        |
| YERP-SP-3 (Austria)               | VSA-B 250/34/EEX           | kW 140           | Condensing units with air condensation for outdoor installation                  | 2        |

## West Europe

| Place                                        | Model                  | Cooling Capacity | Description                                                                   | Quantity |
|----------------------------------------------|------------------------|------------------|-------------------------------------------------------------------------------|----------|
| Tolsma Kartoffellager                        | VHA B 425 290 PU       | kW 300           | Water chiller with air condensation for outdoor installation                  | 1        |
| Kochwerk                                     | VHA B 240/290 HR PU    | kW 130           | Water chiller with air condensation for outdoor installation                  | 1        |
| Trenker                                      | VHH F 2W60-290 HP      | kW 370           | Water chiller with water condensation                                         | 1        |
| Austria                                      | VFC 225/66/TP          | kW 111           | Free Cooling unit                                                             | 1        |
| VW Halle 1                                   | VHH 107/66/TP          | kW 17            | Water chiller with water condensation for indoor installation                 | 1        |
| Kolbeplatz                                   | VHA B 235 290 HP LLN   | kW 170           | Water chiller with air condensation for outdoor installation                  | 1        |
| Scholz Berlin                                | VHA 223 290 HP PU WP   | kW 76,2          | Water chiller with air condensation for outdoor installation                  | 1        |
| Udine (I)                                    | VHA 106/66/SP          | kW 11            | Water chiller with air condensation for outdoor installation, with axial fans | 1        |
|                                              | VHA 112/66/SP          | kW 22            |                                                                               | 1        |
| Udine (I)                                    | VHA 106/66/SP          | kW 11            | Water chiller with air condensation for outdoor installation, with axial fans | 1        |
|                                              | VHA 112/66/SP          | kW 22            |                                                                               | 1        |
| Klinikum Braunschweig Celler Strasse Linac 1 | VSE 215/66/TP          | kW 60            | Condenserless water chiller for indoor installation                           | 1        |
| Spritzgussmaschinen                          | VHA 1090C EC-01 PU     | kW 20            | Water chiller with water condensation for indoor installation                 | 1        |
| Austria                                      | VFC 211/66/PU          | kW 48,4          | Freecooling unit                                                              | 3        |
| Projekt Megra, Berlin (D)                    | VHH B 318 290 BT PU    | kW 86.7          | Water chiller with water condensation for indoor installation                 | 1        |
| BV Jenne, Berlin (D)                         | VHA F 4V35 290 PU      | kW 307           | Water chiller with air condensation for outdoor installation                  | 1        |
| Frankenbräu Kratschmaier (D)                 | VHA B 228 290 HR PU LN | kW 92            | Water chiller with air condensation for outdoor installation                  | 1        |
| KKH Lörrach- Ärztehaus Neubau RLT (D)        | VFC 248/01/PU/LLN      | kW 230           | free cooling chiller                                                          | 1        |

## West Europe

| Place      | Model         | Cooling Capacity | Description                         | Quantity |
|------------|---------------|------------------|-------------------------------------|----------|
| Milano (I) | VHA 104/66/TP | kW 14.3          | Water chiller with air condensation | 1        |

## East Europe

| Place               | Model              | Cooling Capacity | Description                         | Quantity |
|---------------------|--------------------|------------------|-------------------------------------|----------|
| Mielec, Krakow (PL) | VHA B 228 04 BT TP | kW 52            | Water chiller with air condensation | 1        |

## Russia

| Place    | Model               | Cooling Capacity | Description                                                                      | Quantity |
|----------|---------------------|------------------|----------------------------------------------------------------------------------|----------|
| Furmanov | VSE 230/66 TP       | kW 120           | Condenserless water chiller for indoor installation                              | 1        |
| Furmanov | VHA 2368 A/AC-01/TP | kW 166,2         | Water chiller with air condensation for outdoor installation, with axial fans    | 1        |
|          | VHA 2620 A/AC-01/TP | kW 273,5         |                                                                                  | 1        |
| Furmanov | VSA B 12T 34 EEX    | kW 10,4          | Condensing units with air condensation for outdoor installation, with axial fans | 2        |
| Furmanov | VHA 212/01/TP       | kW 53            | Water chiller with air condensation for outdoor installation                     | 1        |

## United Kingdom

| Place        | Model             | Cooling Capacity | Description                                                  | Quantity |
|--------------|-------------------|------------------|--------------------------------------------------------------|----------|
| Layden House | VHA C 615/01 - LH | kW 210           | Water chiller with air condensation for outdoor installation | 2        |

## United Kingdom

| Place                                                 | Model             | Cooling Capacity | Description                                                  | Quantity |
|-------------------------------------------------------|-------------------|------------------|--------------------------------------------------------------|----------|
| Waitrose, Sidcup                                      | VHH 4S15/290      | kW 154           | Water chiller with air condensation for indoor installation  | 1        |
| Bristol                                               | VHR 417/66        | kW 139,9         | Indoor aircooled chiller                                     | 1        |
| Bristol                                               | VHA F 2S12 290 LN | kW 60            | Water chiller with air condensation                          | 1        |
| JLP Distribution Centre,<br>Magna Park, Milton Keynes | VHA F 2Q05 ZE     | kW 21.6          | Water chiller with air condensation for outdoor installation | 1        |
|                                                       | VHA F 2Q05 ZE     | kW 35            |                                                              | 5        |

## World

| Place     | Model      | Cooling Capacity | Description                                                     | Quantity |
|-----------|------------|------------------|-----------------------------------------------------------------|----------|
| Petro Gas | VSA 212/66 | kW 50            | Condensing units with air condensation for outdoor installation | 2        |

## 2014 Projects

### United Kingdom

| Place                       | Model                 | Cooling Capacity             | Description                                                  | Quantity |
|-----------------------------|-----------------------|------------------------------|--------------------------------------------------------------|----------|
| Bristol                     | VHA F 2Q07 290        | kW 38                        | Water chiller with air condensation                          | 1        |
| Waitrose, Coulsden          | VHA F 4W75/290/LN/EC  | kW 450                       | Water chiller with air condensation                          | 2        |
| JLP Magna Park              | VHA F 2V25 ZE PU      | kW 80                        | Water chiller with air condensation for outdoor installation | 1        |
| Bristol                     | VHR C 216/66          | kW 60                        | Centrifugal fan air cooled chiller                           | 1        |
| Britstol                    | VHR F 2V15ZE          | kW 60                        | Radial fan ducted chiller                                    | 1        |
| Barclays Canary Wharf       | VSH 01 HP             | Cooling – Summer<br>kW 354,4 | Heat pump units                                              | 6        |
|                             |                       | Heating – Winter<br>kW 392   |                                                              |          |
| JLP, Solihull Business Park | VHA F 2V25 ZE PU      | kW 80                        | Water chiller with air condensation for outdoor installation | 1        |
| Bristol                     | VHA 430/01            | kW 254                       | Air-cooled chiller                                           | 1        |
| JLP, Project Barley         | VHA F2S08 ZE LN PU    | kW 35                        | Water chiller with air condensation for outdoor installation | 1        |
|                             | VHA F2Q05 ZE PU       | kW 22                        |                                                              | 3        |
| Waitrose, Salisbury         | VHA F 1W40 290 PU LLN | kW 57,7                      | Air-cooled water chiller                                     | 5        |
|                             | VHA F 1V30 290 PU LLN | kW 60                        |                                                              | 4        |
| BAMC                        | VHA 430/01            | kW 254                       | Air cooled chiller                                           | 1        |

## West Europe

| Place                                 | Model                | Cooling Capacity            | Description                                                                                | Quantity |
|---------------------------------------|----------------------|-----------------------------|--------------------------------------------------------------------------------------------|----------|
| Freezol (A)                           | VSA 209/34           | kW 22                       | Condensing units with air condensation for outdoor installation                            | 2        |
| Freiburg (D)                          | VSE B 250/66         | kW 210                      | Condenserless water chiller for indoor installation                                        | 1        |
| Filderklinik, Berlin (D)              | VFC F 4Z50 290       | kW 420                      | Free Cooling chiller for outdoor installation                                              | 1        |
| Flego Projecting (A)                  | VSA B 203/66 HP      | Cooling – Summer<br>kW 19,3 | Condensing unit as reversible heat pump                                                    | 1        |
|                                       |                      | Heating – Winter<br>kW 15,5 |                                                                                            |          |
| Denmark                               | VSE 224/34           | kW 60                       | Condenserless water chiller for indoor installation                                        | 9        |
| Udine (I)                             | VHA 112/66/SP        | kW 22                       | Water chiller with air condensation for outdoor installation, with axial fans              | 1        |
| Gruppo Frigo Locanda (VE)             | VSE 212 01 TP LN     | kW 54                       | Condenserless water chiller for indoor installation                                        | 1        |
| Berlin (D)                            | VHA B 434 290 TP     | kW 320                      | Air-cooled water chiller for outdoor installation                                          | 1        |
| Berlin (D)                            | VFC B 250 290 PU LLN | kW 210                      | Freecooling chiller for outdoor installation                                               | 1        |
| Donauland (D)                         | VHA F 4W80 290 HR BT | kW 350                      | Air-cooled water chiller for outdoor installation                                          | 1        |
| Telia Hasselager, Denmark             | VHA F 2Z40 ZE PU LLN | kW 144                      | Air-cooled chiller                                                                         | 2        |
| Birner Kunststofftechnik, Schmöln (D) | VFC-C 230/66/TP      | kW 154                      | Free cooling water chiller with air condensation for outdoor installation, with axial fans | 1        |
| Netherlands                           | VSA 116              | kW 34,9                     | Air-cooled condensing units                                                                | 1        |
|                                       | VSA 125              | kW 54,8                     |                                                                                            | 1        |
| Lidl Zimmermann, Germany              | VHA B 105 290 TP     | kW 16,4                     | Air cooled water chiller for outdoor installation                                          | 2        |
| Lidl Harig, Germany                   | VHA B 105 290 TP     | kW 16,4                     | Air cooled water chiller for outdoor installation                                          | 2        |



## West Europe

| Place                            | Model                   | Cooling Capacity   | Description                                          | Quantity |
|----------------------------------|-------------------------|--------------------|------------------------------------------------------|----------|
| Lidl Von Nida                    | VHA B 105 290 TP        | kW 16,4            | Air cooled water chiller for outdoor installation    | 1        |
| Chillventa 2014, Germany         | VHH B 128 600A SP       | Cooling<br>kW 30,8 | Water cooled water chiller                           | 1        |
|                                  |                         | Heating<br>kW 47,5 |                                                      |          |
| VW WOB Halle 37,<br>Lichtenstein | VSE B 260/34/TP         | kW 200             | Condenserless water chiller                          | 1        |
| Roche Mannheim, Germany          | VHA B 106 290 BT<br>PU  | kW 11,7            | Air cooled water chiller                             | 2        |
| Deutsche Bank, Zürich (CH)       | VFC 216 01 TP LLN<br>SP | kW 77              | Water chiller with air condensation and free cooling | 1        |

## Russia

| Place      | Model                   | Cooling Capacity  | Description                                                                   | Quantity |
|------------|-------------------------|-------------------|-------------------------------------------------------------------------------|----------|
| Furmanov   | VHA 2900A AC-01         | kW 719            | Water chiller with air condensation for outdoor installation, with axial fans | 1        |
| Furmanov   | VSA B 12N 34 EEX        | kW 16,2           | Condensing unit                                                               | 2        |
|            | VSA B 12T 34 EEX        | kW 9,55 –<br>9,98 |                                                                               | 4        |
| Kazakhstan | VSA B 14 N 34 EEX       | kW 77,2           | Condensing unit                                                               | 2        |
| Furmanov   | VHA 1140C AC-01 -<br>TP | kW 36             | Water chiller with air condensation for outdoor installation, with axial fans | 2        |
|            | VHA 1242C AC-01 TP      | kW 50,9           |                                                                               | 2        |
|            | VHA 1368A AC-01 -<br>TP | kW 77,4           |                                                                               | 2        |
|            | VHA 1482A AC-01 -<br>TP | kW 105,9          |                                                                               | 2        |
|            | VHA 1720 A AC-01 -      | kW 152,9          |                                                                               | 2        |

## Russia

| Place    | Model                     | Cooling Capacity | Description           | Quantity |
|----------|---------------------------|------------------|-----------------------|----------|
|          | TP                        |                  |                       |          |
|          | VHA 2480A AC-01 - TP      | kW 211,8         |                       | 2        |
| Furmanov | VHA 2210A AC FC-01 - SPEC | kW 90            | Free cooling chillers | 2        |

## World

| Place      | Model         | Cooling Capacity                  | Description                                                  | Quantity |
|------------|---------------|-----------------------------------|--------------------------------------------------------------|----------|
| Yemen      | VHA C 425/22  | kW 160                            | Water chiller with air condensation for outdoor installation | 1        |
| NCMS KHARJ | VSA 208 34 HP | Cooling kW 25,6 / Heating kW 31,4 | Heat pumps condensing units                                  | 6        |
|            | VSA 225 34 HP | Cooling kW 80,6 / Heating kW 92,8 |                                                              | 4        |
|            | VSA 209 34 HP | Cooling kW 32 / Heating kW 33,6   |                                                              | 2        |
|            | VSA 212 34 HP | Cooling kW 41,6 / Heating kW 46,6 |                                                              | 1        |
|            | VSA 214 34 HP | Cooling kW 46 / Heating kW 57     |                                                              | 5        |
|            | VSA 219 34 HP | Cooling kW 62 / Heating kW 69,8   |                                                              | 1        |
|            | VSA 217 34 HP | Cooling kW 56,8 / Heating kW      |                                                              | 2        |

## World

| Place | Model         | Cooling Capacity                            | Description | Quantity |
|-------|---------------|---------------------------------------------|-------------|----------|
|       |               | 64,4                                        |             |          |
|       | VSA 108 34 HP | Cooling kW<br>12,8 /<br>Heating kW<br>15,26 |             | 3        |
|       | VSA 111 34 HP | Cooling kW<br>17,9 /<br>Heating kW<br>21,4  |             | 4        |

## Australia

| Place                  | Model           | Cooling Capacity | Description              | Quantity |
|------------------------|-----------------|------------------|--------------------------|----------|
| Bairnsdale MRI chiller | VHA 2140A EC 01 | kW 52,9          | Air cooled water chiller | 1        |

## East Europe

| Place                  | Model                   | Cooling Capacity | Description                         | Quantity |
|------------------------|-------------------------|------------------|-------------------------------------|----------|
| KBC Sestre Milosrdnice | VHA F2W60A EC-290<br>PU | kW 264,1         | Water chiller with air condensation | 1        |

## 2015 Projects

### United Kingdom

| Place                                  | Model                    | Cooling Capacity                | Description                                                  | Quantity |
|----------------------------------------|--------------------------|---------------------------------|--------------------------------------------------------------|----------|
| JLP Magna Park, Project Barley Fit-Out | VHA F 2Q05 ZE PU         | kW 24                           | Water chiller with air condensation for outdoor installation | 2        |
|                                        | VHA F 2Q05 ZE HP PU      | Cooling kW 24 / Heating kW 18,4 |                                                              | 1        |
| Waitrose, Caterham                     | VHA F 4V25A LN E-290 PU  | kW 130,8                        | Air cooled water chiller                                     | 2        |
| Waitrose, Horsham                      | VHA F 4Z40/290/LLN       | kW 202,8                        | Air cooled water chiller                                     | 2        |
| Waitrose, Saffron Walden               | VHA F 4Z40/290/LLN       | kW 210                          | Air cooled water chiller                                     | 2        |
| Energys Newport                        | VHA 1482A EC 01 TP       | kW 103,6                        | Air cooled water chiller                                     | 1        |
| Waitrose, Tonbridge                    | VHA F 4V35A LN EC-290 SP | kW 170                          | Air cooled water chiller                                     | 2        |
| Waitrose, Bagshot                      | VDC F4Z40/290/HR/PU/LN   | kW 208                          | Water cooled heat recovery chiller                           | 2        |
| Bristol                                | VHR F 2V15ZE             | kW 60                           | Radial fan ducted chiller                                    | 1        |
| Waitrose, Bayswater                    | VHR F2Z50 290 SP PFEC    | kW 120                          | Water chiller with air condensation                          | 3        |
| Waitrose, Kings Cross, Main Store      | VHA F 4V30A LN EC 290    | kW 153,2                        | Air cooled water chiller                                     | 2        |
| Waitrose, Kings Cross Cookery School   | VHA C2Z49A LN EC-290     | kW 34                           | Air cooled water chiller                                     | 1        |
| Waitrose Guildford                     | VHH 4Z35 DC-290 LLN PU   | kW 176,6                        | Chiller packs for containerised plant room                   | 2        |
| Waitrose, Basing                       | VHA F 4Z35A LN EC-290 PU | kW 183,6                        | Air cooled water chiller                                     | 2        |
| JLP, Origin Park                       | VHA F 2V20 ZE PU         | kW 80                           | Air cooled water chiller                                     | 2        |
| JLP, Origin Park: Comms                | VHA C 102E EC-290        | kW 9.7                          | Air cooled water chiller                                     | 2        |

## United Kingdom

| Place                | Model                    | Cooling Capacity | Description                 | Quantity |
|----------------------|--------------------------|------------------|-----------------------------|----------|
| Room                 | TP                       |                  |                             |          |
| Waitrose, Uttoxeter  | VHA F 4V30A LN EC-290 PU | kW 151           | Air cooled water chiller    | 2        |
| St. George, Leukämie | VHA 2260A LLLN EC-01     | kW 105.3         | Air cooled chiller          | 1        |
| Bristol              | VSE 2482-01 SP           | kW 205           | Condenserless water chiller | 1        |
| JLP, Magna Park 3    | VHA F2Z30A EC-ZE PU      | kW 110           | Air cooled chiller          | 1        |
|                      | VHA F2V15V EC-ZE PU      | kW 62            |                             | 2        |
|                      | VHA F2Q05 EC-ZE PU       | kW 25            |                             | 2        |

## Australia

| Place                    | Model                     | Cooling Capacity | Description        | Quantity |
|--------------------------|---------------------------|------------------|--------------------|----------|
| Blood cooling, Melbourne | VHA 2600A EC-01 K TP-SPEC | kW 206           | Air cooled chiller | 1        |
| Braeside                 | VHA 2368A EC-01 K TP      | kW 152           | Air cooled chiller | 1        |

## Russia

| Place    | Model      | Cooling Capacity | Description                    | Quantity |
|----------|------------|------------------|--------------------------------|----------|
| Furmanov | VSA 112 66 | kW 67            | Equipment for air conditioning | 1        |
|          | VSA 225 66 | kW 123,8         |                                | 2        |
|          | VSA 212 66 | kW 64,8          |                                | 1        |
|          | VSA 214 66 | kW 77            |                                | 1        |

## Russia

| Place                             | Model                   | Cooling Capacity | Description                    | Quantity |
|-----------------------------------|-------------------------|------------------|--------------------------------|----------|
| Furmanov                          | VHA 2114A EC-01 SPEC-PU | kW 507,8         | Equipment for air conditioning | 1        |
| Domodedovo – cheese warehouse     | VSA B228A AC 04         | kW 125,6         | Equipment for air conditioning | 2        |
| Mosca                             | VHA 425/01/VP/DT        | kW 191,3         | Equipment for air conditioning | 1        |
| Linde Nizhnekamsk_ASU             | VHH 216 34 SP           | kW 70            | Water cooled water chiller     | 1        |
| Research Institute                | VHA 1345A AC FC-01-SPEC | kW 77.6          | Equipment for air conditioning | 2        |
| Manufaktura Climata OOO, Furmanov | VHA 1090C AC-01 TP      | kW 20.4          | Equipment for air conditioning | 2        |
|                                   | VHA 2480A AC-01 TP      | kW 200.3         |                                | 2        |
|                                   | VHA 2510A AC-01-TP      | kW 251           |                                | 2        |
| Furmanov                          | VSA B 12N 34 EEX        | kW 16            | Equipment for air conditioning | 1        |
| Furmanov                          | VHA 1865A AC FC-01 TP   | kW 175           | Air cooled chiller             | 1        |

## World

| Place                           | Model                     | Cooling Capacity | Description                                                  | Quantity |
|---------------------------------|---------------------------|------------------|--------------------------------------------------------------|----------|
| Rsngpur, Thailand               | VHA 2420A LN EC-01 K-SPEC | kW 185,9         | Water chiller with air condensation                          | 1        |
| Middle East                     | VHA 1550A EC/01           | kW 112,5         | Water chiller with air condensation for outdoor installation | 1        |
| Nourish Feeds Limited, Thailand | VHA 13451 EC-01           | kW 70            | Water chiller with air condensation                          | 2        |
| Chonburi, Thailand              | VHA 1420A EC-01 TP SPEC   | kW 94            | Air cooled chiller                                           | 1        |
| Chonburi, Thailand              | VHA 2420A EC-01 TP SPEC   | kW 184           | Air cooled chiller                                           | 1        |

## Europe

| Place                        | Model                          | Cooling Capacity      | Description                                                                        | Quantity |
|------------------------------|--------------------------------|-----------------------|------------------------------------------------------------------------------------|----------|
| Edeka Supermarkt Scherer (D) | VHA B 314 290 LLN<br>PU HR     | kW 67                 | Air cooled water chiller                                                           | 1        |
| Monòvar, Spain               | VHA 1282C EC-01                | kW 57,7               | Water chiller with air condensation                                                | 1        |
| TU-Clausthal CZM (D)         | VFC 219 66 PU LN               | kW 100                | Free Cooling water chiller                                                         | 1        |
| Biohof Bolten (D)            | VHA B 205 290 TP               | kW 18                 | Water chiller with air condensation                                                | 1        |
| BV Isenmann (D)              | VHA F2W70A EC-290<br>HR WRG PU | kW 318,7              | Water chiller with air condensation                                                | 1        |
| Spain                        | VHA 2760A EC-34-<br>SPEC       | kW 115                | Water chiller with air condensation                                                | 1        |
| Lidl Nida (D)                | VHA B 105 290 TP               | kW 16,4               | Air cooled water chiller                                                           | 1        |
| Lidl Zimmermann (D)          | VHA B 105 290 TP               | kW 16,4               | Air cooled water chiller                                                           | 1        |
| Süd Kälte (D)                | VHA B 206A EC 290<br>PU        | kW 34                 | Air cooled water chiller                                                           | 1        |
| Freudenstadt (D)             | VHH F2V30 WT-290<br>SPEC       | kW 108                | Water cooled water chiller                                                         | 1        |
| 50 Hertz UW Marzahn, Berlin  | VSR 312 01 SP                  | kW 16,3<br>ref.Circ 1 | Condensing unit with air condensation for<br>indoor installation, with radial fans | 1        |
|                              |                                | kW 28,9<br>ref.Circ 2 |                                                                                    |          |
|                              |                                | kW 31,3<br>ref.Circ 3 |                                                                                    |          |
| VW WOB HALLE 37, Germany     | VSE B 160 34 TP                | kW 100                | Condenserless water chiller                                                        | 1        |
| Wolpburg, Germany            | VSE 230 66                     | kW 120                | Condenserless water chiller                                                        | 1        |
| Schwerzenbach, Switzerland   | VHH 2482 DC-01<br>SPEC         | kW 190                | Water cooled chiller                                                               | 1        |
| Braunschweig                 | VHH 230 - 34 WT TP             | kW 100                | Water cooled chiller                                                               | 1        |

## 2016 Projects

### Europe

| Place                                      | Model                   | Cooling Capacity                    | Description                 | Quantity |
|--------------------------------------------|-------------------------|-------------------------------------|-----------------------------|----------|
| Austria                                    | VSA 2182A AC 01 HP      | kW 91                               | Condensing unit             | 1        |
| Zürich, Switzerland                        | VHH 1260 DC-01          | kW 80                               | Water cooled chiller        | 1        |
| Verona, Italy                              | VHH 1240 SW-01          | kW 77                               | Water cooled chiller        | 1        |
| Ewijk, Netherlands                         | VHH B450-34 HP          | kW 195                              | Water cooled chiller        | 1        |
| Italy                                      | VHA F2V25 EC-1270 BT TP | kW 46                               | Air cooled chiller          | 1        |
| Glattbrug, Switzerland                     | VHH 2600 DC-01 SP       | kW 250                              | Water cooled chiller        | 1        |
|                                            | VHH 2420 DC-01 SP       | kW 260                              |                             | 1        |
| Stans, Switzerland                         | VHH 2482 DC-01          | kW 177                              | Water cooled chiller        | 1        |
| Udine, Italy                               | VHA 1282A AC-01 TP SP   | kW 55                               | Air cooled chiller          | 1        |
| Mannheim, Germany                          | VSA 418A EC-ST 66       | kW 167                              | Condensing unit             | 1        |
|                                            | VSA 614A EC-ST 66       | kW 202                              |                             | 1        |
| Clima Tech, Ternitz, Austria               | VSA 1242A AC-66         | kW 49,6                             | Condensing unit             | 2        |
| Freiburg Hochdorf, Germany                 | VSE 2970-01 LN SP       | kW 402,3                            | Condenserless water chiller | 1        |
| BKB Burgfelderhof Basel, Switzerland       | VHH B 112 34 SP         | Cooling kW 32 /<br>Heating kW 40,15 | Water cooled chiller        | 1        |
| Tessmar/Aircraft, Hannover, Germany        | VSE 230-34 WT           | kW 85                               | Condenserless water chiller | 1        |
| BKB Basler Kantonalbank Basel, Switzerland | VHH 1072 DC-01-SP       | kW 20,4                             | Water cooled chiller        | 1        |
| SMS i.A.Pohl, Germany                      | VHA 219A AC-34 LLN TP   | kW 50                               | Air cooled chiller          | 1        |



## Russia

| Place                   | Model              | Cooling Capacity | Description        | Quantity |
|-------------------------|--------------------|------------------|--------------------|----------|
| Furmanov                | VSA B 24T 34 EEX   | kW 23            | Condensing unit    | 2        |
|                         | VSA B 12N 34 EEX   | kW 16            |                    | 1        |
| Furmanov                | VHA 3900A AC-01 TP | kW 585           | Air cooled chiller | 1        |
| Furmanov                | VSA 106            | kW 12            | Condensing unit    | 2        |
| Manufaktura Climata OOO | VSA 116 AC-66      | kW 36,1          | Condensing unit    | 2        |
|                         | VSA 119 AC-66      | kW 41            | Condensing unit    | 2        |

## World

| Place                | Model                 | Cooling Capacity | Description        | Quantity |
|----------------------|-----------------------|------------------|--------------------|----------|
| Middle East          | VHA 1550/A EC/01      | kW 112           | Air cooled chiller | 1        |
| Doha, Qatar          | VHA B322A AC-34 SP TP | kW 63            | Air cooled chiller | 1        |
| Durban, South Africa | VHA 2482A LN EC-01    | kW 202           | Air cooled chiller | 1        |
| Chonburi, Thailand   | VHA 1550A-AC 01       | kW 112,9         | Air cooled chiller | 1        |

## United Kingdom

| Place     | Model               | Cooling Capacity | Description        | Quantity |
|-----------|---------------------|------------------|--------------------|----------|
| Wimbledon | VHA F2Z30A EC-ZE PU | kW 110           | Air cooled chiller | 2        |
|           | VHA C202E EC-290 PU | kW 15            |                    | 1        |

| Place                          | Model                    | Cooling Capacity | Description          | Quantity |
|--------------------------------|--------------------------|------------------|----------------------|----------|
| Waitrose, Solihull             | VHA F 4V35A LN EC-290 SP | kW 174           | Air cooled chiller   | 2        |
| Bristol                        | VHH 2114 WT-01 HP        | kW 563           | Water cooled chiller | 2        |
| Bristol                        | VHA 2970B EC 01 HP       | kW 460           | Air cooled chiller   | 4        |
| Bedwas House Industrial Estate | VHA 1540A AC-01          | kW 115           | Air cooled chiller   | 1        |
| Wimbledon                      | VHR 2281-01 PF EC SP     | kW 125           | Air cooled chiller   | 1        |
| Bristol                        | VHA F4W40A EC-290        | kW 370           | Air cooled chiller   | 1        |
| Bristol                        | VHA 2540A EC 01 SP       | kW 245           | Air cooled chiller   | 2        |

## Australia

| Place                      | Model                 | Cooling Capacity                             | Description        | Quantity |
|----------------------------|-----------------------|----------------------------------------------|--------------------|----------|
| Hay Street Hotel, Braeside | VHA 2420A EC 01 HP TP | Cooling kW<br>164,2 /<br>Heating kW<br>175,6 | Air cooled chiller | 1        |
| Nintendo                   | VHA 2600A EC-01 K TP  | kW 260                                       | Air cooled chiller | 1        |
| OOMIAK                     | VHA 2114A EC-01 K     | kW 268                                       | Air cooled chiller | 1        |
| AirTron St Vincents Public | VHA 2600A EC-01-SP TP | kW 264                                       | Air cooled chiller | 1        |

## 2017 Projects

### Russia

| Place                          | Model              | Cooling Capacity                   | Description                    | Quantity |
|--------------------------------|--------------------|------------------------------------|--------------------------------|----------|
| Furmanov                       | VHA 3900A AC-01 TP | kW 592,3                           | Equipment for air conditioning | 1        |
| Furmanov                       | VSA 106 34         | kW 6,39                            | Equipment for air conditioning | 2        |
| Furmanov                       | VSA 106 34         | kW 6,39                            | Equipment for air conditioning | 2        |
| Ice cave Zaryadye Park, Moscow | VSE B415-04 HR SP  | kW 93,2                            | Condenserless water chiller    | 1        |
| Residenza San Pietroburgo      | VSE 1212-01 HP PU  | Cooling kW 46,12 / Heating kW 51,3 | Condenserless water chiller    | 1        |
| LUKOIL-Permnefteorgsintez      | VSA B 14T 34 EEX   | kW 19,5                            | Condensing unit                | 2        |

### United Kingdom

| Place     | Model          | Cooling Capacity                    | Description        | Quantity |
|-----------|----------------|-------------------------------------|--------------------|----------|
| Wimbledon | VHR 2420 01 HP | Cooling kW 172,6 / Heating kW 210,6 | Air cooled chiller | 1        |

### World

| Place                               | Model           | Cooling Capacity | Description        | Quantity |
|-------------------------------------|-----------------|------------------|--------------------|----------|
| Middle East                         | VHA 1550A EC-01 | kW 117,1         | Air cooled chiller | 1        |
| Middle East                         | VHA 1550A EC-01 | kW 117           | Air cooled chiller | 1        |
| Jeddah Ksa Project – Fabtech, Dubai | VSA 4368A EC-34 | kW 212,8         | Condensing unit    | 1        |

| Place       | Model              | Cooling Capacity | Description        | Quantity |
|-------------|--------------------|------------------|--------------------|----------|
| Yemen       | VHA 2368A AC-01 TP | kW 167,5         | Air cooled chiller | 1        |
| Middle East | VHA 2970A AC-01 SP | kW 441           | Air cooled chiller | 2        |

## Italy

| Place                | Model                 | Cooling Capacity | Description          | Quantity |
|----------------------|-----------------------|------------------|----------------------|----------|
| Euticals, Milan      | VHA 2540A EC-01 PU SP | kW 244,1         | Air cooled chiller   | 1        |
| Verona               | VHH 1240 SW-01        | kW 76,9          | Water cooled chiller | 1        |
| Zeller Plastik, Lodi | VHA 2970A EC-01 PU    | kW 423,5         | Air cooled chiller   | 1        |
| Italy                | VHA 2230A EC-01       | kW 100           | Air cooled chiller   | 1        |

## Europe

| Place                         | Model                       | Cooling Capacity                | Description          | Quantity |
|-------------------------------|-----------------------------|---------------------------------|----------------------|----------|
| ABN AMRO Paviljoen, Amsterdam | VHH F2V20 WT-ZE             | kW 79,9                         | Water cooled chiller | 1        |
| Wittenbach, Switzerland       | VHH B244-34                 | Cooling kW 247 / Heating kW 229 | Water cooled chiller | 2        |
| Basel, Switzerland            | VHH F2V20 WT-ZE             | kW 96,2                         | Water cooled chiller | 1        |
| Marstall MARQ Hannover        | VHA 1260A LN EC FC-01 SP TP | kW 72,9                         | Air cooled chiller   | 1        |
| Dietikon, Switzerland         | VHH B 228-34 HP HR          | kW 82,2                         | Water cooled chiller | 1        |
| EWIJK, Netherlands            | VHA F4Z40A EC HP ZE SPEC    | kW 96                           | Air cooled chiller   | 1        |
| Freiburg, Germany             | VHA 1482A LN EC FC-01 PU    | kW 103,7                        | Air cooled chiller   | 1        |

| Place                            | Model                | Cooling Capacity                         | Description                         | Quantity |
|----------------------------------|----------------------|------------------------------------------|-------------------------------------|----------|
| Riehen, Switzerland              | VHH 1090 DC-01 -SPEC | kW 25,8                                  | Water cooled chiller                | 1        |
| Kern Süd, Switzerland            | VHH B234 34 HP SP    | Heating kW<br>171 / 140                  | Water cooled chiller with heat pump | 1        |
|                                  | VHH B215 34 HP SP    | Heating kW<br>97,3 / 65,8                | Water cooled chiller with heat pump | 1        |
|                                  | VHH B120 34 HP HR SP | Heating kW<br>58,3 / 45,6                | Water cooled chiller with heat pump | 1        |
| DK Government, Denmark           | VSE 2V15-ZE          | kW 75                                    | Condenserless chiller               | 2        |
| Kern Süd, Switzerland            | VHH B218 34 HP SP    | Heating kW<br>82 / 77                    | Water cooled chiller with heat pump | 1        |
| Gucci Cadempino, Switzerland     | VHA 2360A EC-01 PU   | kW 148,1                                 | Air cooled chiller                  | 1        |
| Dietikon, Switzerland            | VHH F2S12 DC-ZE LN   | kW 61,10                                 | Water cooled chiller                | 1        |
| Kom Halle 1b Messraum, Germany   | VHH 1212-34 TP       | kW 35                                    | Water cooled chiller                | 1        |
| Bloch AG, Arlesheim, Switzerland | VHH B230-04 HP       | Cooling kW<br>51,4 /<br>Heating kW<br>85 | Water cooled chiller                | 1        |
| Zentrum Witikon, Switzerland     | VHH 170BG DC-01      | kW 120                                   | Water cooled chiller                | 2        |
| Lugano, Switzerland              | VHH F2Z40 DC-ZE PU   | kW 96                                    | Water cooled chiller                | 2        |

## Australia

| Place                          | Model                 | Cooling Capacity  | Description        | Quantity |
|--------------------------------|-----------------------|-------------------|--------------------|----------|
| RAAF - pilot training facility | VHA 2322A EC-01 HP TP | Heating kW<br>156 | Air cooled chiller | 1        |
|                                | VHA 2760A EC-01 HP    | Heating kW<br>364 | Air cooled chiller | 1        |
| Braeside                       | VHA 2368A EC-01 K TP  | kW 160            | Air cooled chiller | 1        |

| Place                               | Model                 | Cooling Capacity                  | Description                       | Quantity |
|-------------------------------------|-----------------------|-----------------------------------|-----------------------------------|----------|
| Hamilton Hospital Chillmech         | VHA 2600A EC-01 K TP  | kW 280                            | Air cooled chiller                | 1        |
| Burnet Tow Lab Project (Monash Uni) | VHA 2360A EC-01 K TP  | kW 150                            | Air cooled chiller                | 2        |
| Rosebud Plaza Airmaster             | VHA 2760A EC-01 HP TP | Cooling kW 292 / Heating kW 315,5 | Air cooled chiller with heat pump | 1        |
| Airmaster Rosebud Coles             | VSA 2420A EC-66       | kW 179,75                         | Condensing unit                   | 1        |

## 2018 Projectss

### Europe

| Place                                               | Model                  | Cooling Capacity | Description                 | Quantity |
|-----------------------------------------------------|------------------------|------------------|-----------------------------|----------|
| Germany                                             | VSE 2970-01 LN SP      | kW 402           | Condenserless water chiller | 1        |
| Panattoni Park<br>Warsaw North, Radzymin,<br>Poland | VHA F4Z40A EC-290 TP   | kW 235           | Air cooled chiller          | 1        |
| BKB Rosental Basel                                  | VHH 1105 DC-01         | kW 35            | Water cooled chiller        | 1        |
| SONAC KUTNO, Poland                                 | VHA 2420A AC-01 K      | kW 188           | Air cooled chiller          | 1        |
| Switzerland                                         | VHH B 204-34 SP        | kW 29            | Water cooled chiller        | 1        |
| Switzerland                                         | VHA F2S10C EC FC-ZE TP | kW 45            | Air cooled chiller          | 1        |
| Plagemann - Volksbank<br>Wolfenbüttel, Germany      | VSE B206-34 TP         | kW 40            | Condenserless water chiller | 1        |
| Ivoclar Vivadent Schaan,<br>Switzerland             | VHA 2088G C EC-01 TP   | kW 90            | Air cooled chiller          | 1        |
| ABB Schweiz AG 8201                                 | VHA F4V25A LN EC FC-ZE | kW 159           | Air cooled chiller          | 1        |
| project KOZIK, WADOWICE<br>GORNE - POLAND           | VHA 3900A EC-01 HR     | kW 300           | Air cooled chiller          | 1        |
| Mythenquai, Switzerland                             | VHH F1Z30 WT-ZE HR     | kW 60            | Water cooled chiller        | 3        |
| Kongresshaus + Tonhalle<br>Zürich (CH)              | VHH B106-34 HP SP      | kW 20            | Water cooled chiller        | 2        |
|                                                     | VHH B125-34 HP SP      | kW 78            |                             | 1        |
| Denmark                                             | VHA F2V15C LN EC-ZE    | kW 60            | Air cooled chiller          | 1        |
|                                                     | VHA F2S12C LN EC-ZE    | kW 63.3          |                             | 1        |
| Stabile Vergiö Breganzona,<br>Switzerland           | VHA F4V20A LN EC-ZE    | kW 130           | Air cooled chiller          | 1        |

## United Kingdom

| Place                         | Model                 | Cooling Capacity | Description        | Quantity |
|-------------------------------|-----------------------|------------------|--------------------|----------|
| Doubletree by Hilton West End | VHA 1480A LN EC-01 PU | kW 100           | Air cooled chiller | 1        |

## Russia

| Place | Model                      | Cooling Capacity | Description           | Quantity |
|-------|----------------------------|------------------|-----------------------|----------|
| /     | VCSE 1420-01 TP            | kW 117           | Refrigerant equipment | 1        |
| /     | VCSE 2865-01 SP            | kW 376           | Refrigerant equipment | 9        |
| /     | VCSE-2084-CH-BP-10 LNT-WEB | kW 203           | Refrigerant equipment | 1        |
| /     | VHH B120 SW-34 SP          | kW 54            | Water cooled          | 2        |

## World

| Place       | Model              | Cooling Capacity | Description        | Quantity |
|-------------|--------------------|------------------|--------------------|----------|
| Middle East | VHA 2368A EC-01 K  | kW 158           | Air cooled chiller | 1        |
| Bahrain     | VHA 1195A AC-01 SP | kW 36            | Air cooled chiller | 3        |
| Yemen       | VHA 2368A AC-01 TP | kW 167           | Air cooled chiller | 1        |
| Middle East | VHA 2304A AC-01    | kW 132           | Air cooled chiller | 1        |
|             | VHA 2600A AC-01    | kW 272           | Air cooled chiller | 1        |



## Australia

| Place           | Model               | Cooling Capacity                       | Description        | Quantity |
|-----------------|---------------------|----------------------------------------|--------------------|----------|
| Canberra        | VHA 1760C EC-01 SPP | kW 117                                 | Air cooled chiller | 2        |
| CLYDESDALE BROS | VHA 1282A EC-01 HP  | Cooling kW<br>60 /<br>Heating kW<br>55 | Air cooled chiller | 1        |

## Italy

| Place           | Model            | Cooling Capacity | Description        | Quantity |
|-----------------|------------------|------------------|--------------------|----------|
| /               | VHA 2210A EC-01  | kW 96            | Air cooled chiller | 1        |
| BRANCA IDEALAIR | VHA F1S12C EC-ZE | kW 14            | Air cooled chiller | 2        |

## 2019 Projects

### Italy

| Place         | Model                    | Cooling Capacity | Description                  | Quantity |
|---------------|--------------------------|------------------|------------------------------|----------|
| Udine         | VHA 1170AG E EC-01 TP SP | kW 56            | Air cooled chiller           | 1        |
| Wine producer | VSE 1210-01 TP           | kW 40            | Condenserless chiller        | 1        |
| Wine producer | VHA F2V30A EC-290 CM     | kW 76.11         | Air cooled Circlemod chiller | 1        |
| Wine producer | VHA F2V30A EC-290 CM     | kW 77.43         | Air cooled Circlemod chiller | 1        |

### Europe

| Place                               | Model                       | Cooling Capacity | Description           | Quantity |
|-------------------------------------|-----------------------------|------------------|-----------------------|----------|
| Denmark                             | VHA F2V25A LN EC-ZE         | kW 80            | Air cooled chiller    | 1        |
| GREEN GOLD BREWERY – Slovenia       | VHA 2170AG A EC-01 BT HR PU | kW 76            | Air cooled chiller    | 1        |
| Mythenquai Zürich – CH              | VHH F1Z30 WT-ZE HR          | kW 60.8          | Water cooled chiller  | 1        |
| Ewijk – NL                          | VHH F2Z30 HP ZE SP          | kW 100           | Water cooled chiller  | 1        |
|                                     | VHH F2W40 HP ZE SP          | kW 156.5         |                       | 1        |
| Magda Yogurt – Poland               | VHA F4V25A EC ZE            | kW 107           | Air cooled chiller    | 1        |
| Kongresshaus + Tonhalle Zürich – CH | VHH B112-34 HP SP           | kW 38.2          | Water cooled chiller  | 1        |
| Enchem – Poland                     | VSA 1322C EC-01             | kW 62.2          | Condensing unit       | 1        |
| LANDO – Poland                      | VHA F1S7C EC-290            | kW 24.51         | Air cooled chiller    | 1        |
| Noerreport hotel - Denmark          | VSE F2V25-ZE                | kW 100           | Condenserless chiller | 1        |
| Valencia                            | VHA F4V25A EC-ZE PU SPEC    | kW 150           | Air cooled chiller    | 1        |

## United Kingdom

| Place                     | Model                  | Cooling Capacity | Description        | Quantity |
|---------------------------|------------------------|------------------|--------------------|----------|
| University of Southampton | VHA 3680A LN EC-01     | kW 1140          | Air cooled chiller | 3        |
| PROJECT MARS              | VHA F4V15A EC-ZE PU    | kW 130           | Air cooled chiller | 1        |
| Watershed, Bristol        | VHA F2Z30A EC ZE       | kW 98.6          | Air cooled chiller | 1        |
| Bristol                   | VHA F2Z30A EC-ZE PU    | kW 197.2         | Air cooled chiller | 2        |
| Roche The Hub             | VHA F1V25A EC-290 PU   | kW 58.04         | Air cooled chiller | 1        |
| Bristol                   | VHA 3680A EC-01        | kW 800           | Air cooled chiller | 2        |
| Abigdon                   | VHA F4V20A EC FC-ZE TP | kW 180           | Air cooled chiller | 1        |

## World

| Place                       | Model                  | Cooling Capacity | Description                          | Quantity |
|-----------------------------|------------------------|------------------|--------------------------------------|----------|
| DK NLMK LIPETSK             | VHR 2970 AC-01         | kW 1260          | Air cooled chiller with radial fans  | 3        |
| NTT Data Centre – Hong Kong | VHA 2117A EC-01 CM     | kW 216           | Air cooled Circlemod chiller         | 2        |
| Dubai                       | VHA 2324A AC-01 K      | kW 132.3         | Air cooled chiller                   | 1        |
| Thailand                    | VSA 1260A EC-01 CM     | kW 212           | Condensing Circlemod unit            | 3        |
| Ivanovo - Russia            | VHA B2480A AC FC-01 PU | kW 181           | Air cooled chiller with Free Cooling | 1        |
| Australia                   | VHA 2260A EC-01 CM TP  | kW 114.3         | Air cooled Circlemod chiller         | 1        |

## 2020 Projects

### World

| Place                         | Model                 | Cooling Capacity | Description                  | Quantity |
|-------------------------------|-----------------------|------------------|------------------------------|----------|
| Australia                     | VHA 2260A EC-01 CM TP | kW 114.3         | Air cooled Circlemod chiller | 1        |
| Life House Sydney – Australia | VHA 2117B EC-01 CM TP | kW 233.8         | Air cooled Circlemod chiller | 2        |
| Holmesglen – Australia        | VHA 2170B EC-01 CM TP | kW 160           | Air cooled Circlemod chiller | 1        |
| Thailand                      | VHA F2V30A EC-66 CM   | kW 125           | Air cooled Circlemod chiller | 1        |
| Russia                        | VHA 2242A AC-01       | kW 200           | Air cooled chiller           | 2        |
| Russia                        | VHA 2360A AC-01       | kW 300           | Air cooled chiller           | 2        |
| Russia                        | VHA 2480A AC-01       | kW 400           | Air cooled chiller           | 2        |
| Global Foundries - Singapore  | VHH C 4100 ZH-34 HP   | kW 925           | Water cooled chiller         | 3        |

### United Kingdom

| Place                       | Model               | Cooling Capacity | Description          | Quantity |
|-----------------------------|---------------------|------------------|----------------------|----------|
| Roche Shire Park Welwyn     | VHH F1S15 DC-290 PU | kW 72.42         | Water cooled chiller | 2        |
| Sheffield Hallam University | VHA F2V15C LN EC-ZE | kW 50            | Air cooled chiller   | 1        |
| Bristol                     | VHA F2V25C EC-ZE    | kW 80            | Air cooled chiller   | 1        |

### Italy

| Place              | Model                 | Cooling Capacity | Description                         | Quantity |
|--------------------|-----------------------|------------------|-------------------------------------|----------|
| Tenuta Polvaro     | VHA F2V35B EC 290 CM  | kW 171.6         | Air cooled Circlemod chiller        | 1        |
| /                  | VHR 1105-01 SP        | kW 23            | Air cooled chiller with radial fans | 1        |
| High Energy, Udine | VHA 1044E EC-01 SP TP | kW 18            | Air cooled chiller                  | 1        |

## Italy

| Place              | Model                | Cooling Capacity | Description                  | Quantity |
|--------------------|----------------------|------------------|------------------------------|----------|
| Agriturismo Althea | VHA F2V35B EC-290 CM | kW 172           | Air cooled Circlemod chiller | 1        |
| //                 | VHH F2W75-1270 BT    | kW 66            | Water cooled chiller         | 1        |

## Europe

| Place                                    | Model                  | Cooling Capacity | Description           | Quantity |
|------------------------------------------|------------------------|------------------|-----------------------|----------|
| Fondation Rosengart Luzern – Switzerland | VHA F2V25A LN EC-ZE SP | kW 100           | Air cooled chiller    | 1        |
| Denmark                                  | VSE F2Z40 ZE           | kW 140           | Condenserless chiller | 1        |
| Denmark                                  | VHA F2V20A LN EC-290   | kW 206           | Air cooled chiller    | 2        |
| Centro Sportivo Tenero – Switzerland     | VHH F4V25 DC-ZE        | kW 193           | Water cooled chiller  | 3        |
|                                          | VHH F4W70 DC-ZE HP SP  | kW 199           |                       |          |
|                                          | VHH F4Z40 WT-ZE        | kW 283           |                       |          |

## 2021 Projects

### United Kingdom

| Place   | Model                 | Cooling Capacity | Description                  | Quantity |
|---------|-----------------------|------------------|------------------------------|----------|
| Bristol | VHA 1170A EC-01 CM PU | kW 90            | Air cooled Circlemod chiller | 1        |
|         | VHA 2170A EC-01 CM PU | kW 150           |                              | 1        |

### Europe

| Place                                  | Model                   | Cooling Capacity | Description                  | Quantity |
|----------------------------------------|-------------------------|------------------|------------------------------|----------|
| TDC – Denmark                          | VHA F1V25A EC ZE CM     | kW 148           | Air cooled Circlemod chiller | 3        |
| GF Casting Solutions – Switzerland     | VHA F2W60A LN EC-290 4V | kW 300           | Air cooled chiller           | 1        |
| Canellas – Spain                       | VHA B230A EC-ZE HR PU   | kW 80            | Air cooled chiller           | 1        |
| Wadowice Gorne – Poland                | VHA F4W40A EC-290       | kW 170           | Air cooled chiller           | 1        |
| BV Tacherting – Germany                | VHA F4W40A EC-290       | kW 120           | Air cooled chiller           | 1        |
| Kommission Telepizza Leipzig – Germany | VHH F2W40 DC-290        | kW 92            | Water cooled chiller         | 1        |
| Pakt – Germany                         | VHA F2Z50A EC-290       | kW 145           | Air cooled chiller           | 1        |

### Italy

| Place          | Model              | Cooling Capacity | Description                  | Quantity |
|----------------|--------------------|------------------|------------------------------|----------|
| Zeller Plastic | VHA 2970A EC-01 PU | kW 465           | Air cooled chiller           | 1        |
| Tecnoappalti   | VHA 2170A EC-01 CM | kW 130           | Air cooled Circlemod chiller | 1        |
| -              | VHA 2088A EC-01 CM | kW 55            | Air cooled Circlemod chiller | 1        |

## Italy

| Place                         | Model              | Cooling Capacity | Description                  | Quantity |
|-------------------------------|--------------------|------------------|------------------------------|----------|
| Irinox                        | VHA F2S12C EC-290  | kW 65            | Air cooled chiller           | 1        |
| Az. Agricola Sperandio Flavio | VHA 2170A EC-01 CM | kW 116           | Air cooled Circlemod chiller | 1        |

## World

| Place                         | Model                      | Cooling Capacity | Description                  | Quantity |
|-------------------------------|----------------------------|------------------|------------------------------|----------|
| Braeside – Australia          | VHA 2170B EC-01 CM TP      | kW 160           | Air cooled Circlemod chiller | 1        |
| Thailand                      | VHA 2170B EC-01 CM TP      | kW 282           | Air cooled Circlemod chiller | 2        |
| Australia                     | VHA 2117A EC-01 CM PU      | kW 95            | Air cooled Circlemod chiller | 1        |
| Modern Niagara – USA          | VHA 2550A EC FC-01 PU K SP | kW 352           | Air cooled chiller           | 1        |
| Australia                     | VHA 2170B EC-01 CM PU      | kW 300           | Air cooled Circlemod chiller | 2        |
| Deakin University - Australia | VHA 2170B EC-01 CM         | kW 157           | Air cooled Circlemod chiller | 1        |

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