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Printworks

PRINTWORKS MVHR UNIT SCHEDULE

179-EDC-B1-ZZ-SH-M-00409

## MVHR UNIT SCHEDULE

| REFERENCE   | Level     | Room               | ROOM<br>NR GUIDE<br>(NR) | Manufacturer | MODEL              | Filter<br>Withdrawal | AIR VOL FOR<br>EACH UNIT<br>(l/s) | External<br>Resistance (Pa) | DIMENSIONS<br>LxWxD<br>(mm) | WEIGHT<br>(kg) | Fan Power<br>(W/l/s) | ELECTRICAL SUPPLY |               |               |
|-------------|-----------|--------------------|--------------------------|--------------|--------------------|----------------------|-----------------------------------|-----------------------------|-----------------------------|----------------|----------------------|-------------------|---------------|---------------|
|             |           |                    |                          |              |                    |                      |                                   |                             |                             |                |                      | PHASE             | MCA<br>(Amps) | POWER<br>(kW) |
| MVHR-HRW-01 | L01 & L02 | Apartments         | 30                       | Nuaire       | MRXBOXAB-ECO3B     | Front                | 29.00                             | 149                         | 658 x 623 x 488             | 54             | 1                    | 3                 | 1.25          | 0.029         |
| MVHR-HRW-02 | L01       | Apartments         | 30                       | Nuaire       | MRXBOXAB-ECO3B     | Front                | 37                                | 112                         | 658 x 623 x 488             | 54             | 2                    | 3                 | 1.25          | 0.074         |
| MVHR-HRW-03 | L01       | Apartments         | 30                       | Nuaire       | MRXBOXAB-ECO3B     | Front                | 29                                | 138                         | 658 x 623 x 488             | 54             | 2.7                  | 3                 | 1.25          | 0.0783        |
| MVHR-00-01  | L00       | Amenity            | 35                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 228                               | 357                         | 1973 x 1262 x 405           | 242            | 1.2                  | 3                 | 12.6          | 0.2736        |
| MVHR-00-02  | L00       | Amenity            | 35                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 390                               | 207                         | 1973 x 1262 x 405           | 242            | 1.5                  | 3                 | 24.1          | 0.585         |
| MVHR-00-03  | L00       | Amenity (Gym)      | 45                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 84                                | 152                         | 1973 x 1262 x 405           | 242            | 1.3                  | 3                 | 24.6          | 0.1092        |
| MVHR-00-04  | L00       | Reception          | 50                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 239                               | 185                         | 1973 x 1262 x 405           | 242            | 1.9                  | 3                 | 24.1          | 0.4541        |
| MVHR-00-05  | L00       | GF Bedroom         | 25                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 89                                | 237                         | 1973 x 1262 x 405           | 242            | 1.2                  | 3                 | 24.6          | 0.1068        |
| MVHR-00-06  | L00       | GF Bedroom         | 25                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 235                               | 214                         | 1973 x 1262 x 405           | 242            | 1.2                  | 3                 | 24.6          | 0.282         |
| MVHR-00-07  | L00       | GF Bedroom         | 25                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 111                               | 138                         | 1973 x 1262 x 405           | 242            | 1.2                  | 3                 | 24.6          | 0.1332        |
| MVHR-00-08  | L00       | GF KDL             | 30                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 93                                | 135                         | 1973 x 1262 x 405           | 242            | 1.2                  | 3                 | 15.8          | 0.1116        |
| MVHR-00-09  | L00       | GF KDL             | 30                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 93                                | 149                         | 1973 x 1262 x 405           | 242            | 1                    | 3                 | 24.6          | 0.093         |
| MVHR-01-01  | L01       | 8 Bedroom Cluster  | 30                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 200                               | 291                         | 1973 x 1262 x 405           | 242            | 1.36                 | 3                 | -             | 0.272         |
| MVHR-01-02  | L01       | Studio             | 25                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 45                                | 145                         | 1973 x 1262 x 405           | 242            | 2                    | 3                 | 15.8          | 0.09          |
| MVHR-01-03  | L01       | Studio             | 25                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 45                                | 138                         | 1973 x 1262 x 405           | 242            | 1.2                  | 3                 | 15.8          | 0.054         |
| MVHR-01-04  | L01       | 5 Bedroom Cluster  | 30                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 150                               | 225                         | 1973 x 1262 x 405           | 242            | 1.2                  | 3                 | 24.6          | 0.18          |
| MVHR-01-05  | L01       | 6 Bedroom Cluster  | 30                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 250                               | 215                         | 1973 x 1262 x 405           | 242            | 1.45                 | 3                 | -             | 0.3625        |
| MVHR-01-06  | L01       | 10 Bedroom Cluster | 30                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 240                               | 214                         | 1973 x 1262 x 405           | 242            | 1.63                 | 3                 | -             | 0.3912        |
| MVHR-01-07  | L01       | 12 Bedroom Cluster | 30                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 342                               | 224                         | 1973 x 1262 x 405           | 242            | 1.44                 | 3                 | -             | 0.49248       |
| MVHR-01-08  | L01       | 3 Bedroom Cluster  | 30                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 154                               | 218                         | 1973 x 1262 x 405           | 242            | 1.2                  | 3                 | 24.6          | 0.1848        |
| MVHR-01-09  | L01       | Studio             | 25                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 45                                | 169                         | 1973 x 1262 x 405           | 242            | 1.9                  | 3                 | 15.8          | 0.0855        |
| MVHR-01-10  | L01       | 4 Bedroom Cluster  | 30                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 130                               | 184                         | 1973 x 1262 x 405           | 242            | 1.2                  | 3                 | 24.6          | 0.156         |
| MVHR-02-01  | L02       | 8 Bedroom Cluster  | 30                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 200                               | 291                         | 1973 x 1262 x 405           | 242            | 1.36                 | 3                 | -             | 0.272         |
| MVHR-02-02  | L02       | Studio             | 25                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 45                                | 308                         | 1973 x 1262 x 405           | 242            | 2                    | 3                 | 15.8          | 0.09          |
| MVHR-02-03  | L02       | 9 Bedroom Cluster  | 30                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 200                               | 252                         | 1973 x 1262 x 405           | 242            | 1.5                  | 3                 | 24.1          | 0.3           |
| MVHR-02-04  | L02       | 7 Bedroom Cluster  | 30                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 150                               | 225                         | 1973 x 1262 x 405           | 242            | 1.2                  | 3                 | 24.1          | 0.18          |
| MVHR-02-05  | L02       | 6 Bedroom Cluster  | 30                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 250                               | 215                         | 1973 x 1262 x 405           | 242            | 1.45                 | 3                 | -             | 0.3625        |
| MVHR-02-06  | L02       | 10 Bedroom Cluster | 30                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 240                               | 214                         | 1973 x 1262 x 405           | 242            | 1.63                 | 3                 | -             | 0.3912        |
| MVHR-02-07  | L02       | 12 Bedroom Cluster | 30                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 275                               | 224                         | 1973 x 1262 x 405           | 242            | 1.44                 | 3                 | -             | 0.396         |
| MVHR-02-08  | L02       | Studio             | 25                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 40                                | 212                         | 1973 x 1262 x 405           | 242            | 1.2                  | 3                 | 24.6          | 0.048         |
| MVHR-02-09  | L02       | 4 Bedroom Cluster  | 30                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 240                               | 169                         | 1973 x 1262 x 405           | 242            | 1.2                  | 3                 | 24.6          | 0.288         |
| MVHR-03-01  | L03       | 8 Bedroom Cluster  | 30                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 200                               | 291                         | 1973 x 1262 x 405           | 242            | 1.36                 | 3                 | -             | 0.272         |
| MVHR-03-02  | L03       | Studio             | 25                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 40                                | 308                         | 1973 x 1262 x 405           | 242            | 2                    | 3                 | 15.8          | 0.08          |
| MVHR-03-03  | L03       | 9 Bedroom Cluster  | 30                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 200                               | 252                         | 1973 x 1262 x 405           | 242            | 1.5                  | 3                 | 24.1          | 0.3           |
| MVHR-03-04  | L03       | 7 Bedroom Cluster  | 30                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 150                               | 225                         | 1973 x 1262 x 405           | 242            | 1.2                  | 3                 | 24.1          | 0.18          |
| MVHR-03-05  | L03       | 6 Bedroom Cluster  | 30                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 250                               | 215                         | 1973 x 1262 x 405           | 242            | 1.45                 | 3                 | -             | 0.3625        |
| MVHR-03-06  | L03       | 10 Bedroom Cluster | 30                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 240                               | 214                         | 1973 x 1262 x 405           | 242            | 1.63                 | 3                 | -             | 0.3912        |
| MVHR-03-07  | L03       | 12 Bedroom Cluster | 30                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 275                               | 224                         | 1973 x 1262 x 405           | 242            | 1.44                 | 3                 | -             | 0.396         |
| MVHR-03-08  | L03       | Studio             | 25                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 40                                | 212                         | 1973 x 1262 x 405           | 242            | 1.2                  | 3                 | 24.6          | 0.048         |
| MVHR-04-01  | L04       | 8 Bedroom Cluster  | 30                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 200                               | 291                         | 1973 x 1262 x 405           | 242            | 1.36                 | 3                 | -             | 0.272         |
| MVHR-04-02  | L04       | Studio             | 25                       | Nuaire       | XBC45HA-EHN-C-LB1S | Side                 | 40                                | 308                         | 1973 x 1262 x 405           | 242            | 2                    | 3                 | 15.8          | 0.08          |



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| MVHR UNIT SCHEDULE |       |                   |                          |              |                    |                      |                                   |                             |                             |                |                      |                   |               |               |
|--------------------|-------|-------------------|--------------------------|--------------|--------------------|----------------------|-----------------------------------|-----------------------------|-----------------------------|----------------|----------------------|-------------------|---------------|---------------|
| REFERENCE          | Level | Room              | ROOM<br>NR GUIDE<br>(NR) | Manufacturer | MODEL              | Filter<br>Withdrawal | AIR VOL FOR<br>EACH UNIT<br>(l/s) | External<br>Resistance (Pa) | DIMENSIONS<br>LxWxD<br>(mm) | WEIGHT<br>(kg) | Fan Power<br>(W/l/s) | ELECTRICAL SUPPLY |               |               |
|                    |       |                   |                          |              |                    |                      |                                   |                             |                             |                |                      | PHASE             | MCA<br>(Amps) | POWER<br>(kW) |
| MVHR-04-03         | L04   | 8 Bedroom Cluster | 30                       | Nuair        | XBC45HA-EHN-C-LB1S | Side                 | 200                               | 252                         | 1973 x 1262 x 405           | 242            | 1.5                  | 3                 | 24.1          | 0.3           |
| MVHR-04-04         | L04   | 7 Bedroom Cluster | 30                       | Nuair        | XBC45HA-EHN-C-LB1S | Side                 | 150                               | 225                         | 1973 x 1262 x 405           | 242            | 1.2                  | 3                 | 24.1          | 0.18          |
| MVHR-04-05         | L04   | 6 Bedroom Cluster | 30                       | Nuair        | XBC45HA-EHN-C-LB1S | Side                 | 250                               | 215                         | 1973 x 1262 x 405           | 242            | 1.45                 | 3                 | -             | 0.3625        |
| MVHR-04-06         | L04   | Studio            | 25                       | Nuair        | XBC45HA-EHN-C-LB1S | Side                 | 40                                | 214                         | 1973 x 1262 x 405           | 242            | 1.2                  | 3                 | 15.8          | 0.048         |
| MVHR-05-01         | L05   | Studio            | 25                       | Nuair        | XBC45HA-EHN-C-LB1S | Side                 | 40                                | 291                         | 1973 x 1262 x 405           | 242            | 1.2                  | 3                 | 24.1          | 0.048         |
| MVHR-05-02         | L05   | Studio            | 25                       | Nuair        | XBC45HA-EHN-C-LB1S | Side                 | 40                                | 308                         | 1973 x 1262 x 405           | 242            | 2                    | 3                 | 15.8          | 0.08          |
| MVHR-05-03         | L05   | 5 Bedroom Cluster | 30                       | Nuair        | XBC45HA-EHN-C-LB1S | Side                 | 200                               | 252                         | 1973 x 1262 x 405           | 242            | 1.2                  | 3                 | 24.6          | 0.24          |
| MVHR-05-04         | L05   | 9 Bedroom Cluster | 30                       | Nuair        | XBC45HA-EHN-C-LB1S | Side                 | 215                               | 225                         | 1973 x 1262 x 405           | 242            | 1.5                  | 3                 | 24.1          | 0.3225        |
| MVHR-05-05         | L05   | 6 Bedroom Cluster | 30                       | Nuair        | XBC45HA-EHN-C-LB1S | Side                 | 250                               | 215                         | 1973 x 1262 x 405           | 242            | 1.45                 | 3                 | -             | 0.3625        |
| MVHR-06-01         | L06   | Studio            | 25                       | Nuair        | XBC45HA-EHN-C-LB1S | Side                 | 40                                | 291                         | 1973 x 1262 x 405           | 242            | 1.2                  | 3                 | 15.8          | 0.048         |
| MVHR-06-02         | L06   | Studio            | 25                       | Nuair        | XBC45HA-EHN-C-LB1S | Side                 | 40                                | 308                         | 1973 x 1262 x 405           | 242            | 2                    | 3                 | 15.8          | 0.08          |
| MVHR-06-03         | L06   | 3 Bedroom Cluster | 30                       | Nuair        | XBC45HA-EHN-C-LB1S | Side                 | 200                               | 252                         | 1973 x 1262 x 405           | 242            | 1.1                  | 3                 | 24.6          | 0.22          |

|                                                                                                                |
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| Notes:                                                                                                         |
| 1. MVHR Unit details to be finalised on selection and approval of manufacturer including controls, piping etc. |
| 2. All equipment must be submitted to the design team for approval prior to any procurement.                   |
| 3. The contractor must ensure units selected are suitable and maximum pipe lengths are not exceeded.           |
| 4. Location of room controllers and central MVHR controller to be confirmed with client prior to installation. |
| 5. MVHR units to be manufactured to all current British and European Standards.                                |
| 6. All units selected at low/low-medium speed.                                                                 |
| 7. Condensate pans are to be provided with factory assembled.                                                  |
| 8. The drain pan to be of stainless steel construction with nonferrous connections and fully insulated.        |
| 9. All filters to be cleaned or replaced after final commissioning.                                            |
| 10. MVHR units to be selected to meet the room noise criteria noted for the area served.                       |
| 11. All seasonal efficiency shall be tested to EN14825.                                                        |
| 12. All units shall be Eurovent certified                                                                      |
| 13. MVHR unit vendor shall install all interconnecting wiring                                                  |
| 14. MVHR units shall be accessed from underside                                                                |
| 15. MVHR units to be manufactured by Carrier or equal and approved                                             |