



**BYC-007|010|013|017|021|030|035 TV1**  
**BYC-030|035 TV3**

T E C H N I C A L     D A T A

| Model                                                              | BYC-007TV1      | BYC-010TV1  | BYC-013TV1  | BYC-017TV1  | BYC-021TV1  | BYC-030TV1   | BYC-035TV1   | BYC-030TV3      | BYC-035TV3   |
|--------------------------------------------------------------------|-----------------|-------------|-------------|-------------|-------------|--------------|--------------|-----------------|--------------|
| * Heating Capacity at Air 26℃, Humidity 80%, Water 26℃ in, 28℃ out |                 |             |             |             |             |              |              |                 |              |
| Heating Capacity (kW)                                              | 7.2~1.7         | 9.2~2.3     | 12.5~3.0    | 16.5~3.8    | 21~4.8      | 28~6.8       | 35~8.8       | 28~6.8          | 35~8.8       |
| Power Input (kW)                                                   | 1.06~0.11       | 1.35~0.15   | 1.84~0.19   | 2.43~0.24   | 3.09~0.30   | 4.12~0.43    | 5.15~0.56    | 3.97~0.43       | 5.15~0.56    |
| COP                                                                | 15.8~6.8        | 15.8~6.8    | 16~6.8      | 15.8~6.8    | 15.8~6.8    | 15.8~6.8     | 15.8~6.8     | 15.8~6.8        | 15.8~6.8     |
| * Heating Capacity at Air 15℃, Humidity 70%, Water 26℃ in, 28℃ out |                 |             |             |             |             |              |              |                 |              |
| Heating Capacity (kW)                                              | 5.9~1.4         | 7.4~1.9     | 9.5~2.3     | 13.1~3      | 16.5~3.8    | 23~5.5       | 25.5~6.4     | 23~5.5          | 25.5~6.4     |
| Power Input (kW)                                                   | 1.2~0.18        | 1.51~0.25   | 1.9~0.30    | 2.67~0.39   | 3.37~0.5    | 4.7~0.72     | 5.2~0.84     | 4.7~0.72        | 5.2~0.84     |
| COP                                                                | 7.6~4.9         | 7.6~4.9     | 7.6~5       | 7.6~4.9     | 7.6~4.9     | 7.6~4.9      | 7.6~4.9      | 7.6~4.9         | 7.6~4.9      |
| * Cooling Capacity at Air 35℃, Water 29℃ in, 27℃ out               |                 |             |             |             |             |              |              |                 |              |
| Cooling Capacity (kW)                                              | 4.2~1.0         | 5.3~1.3     | 7.2~1.7     | 9.4~2.1     | 11.6~2.7    | 14.9~3.8     | 19.3~4.9     | 14.9~3.8        | 19.3~4.9     |
| Power Input (kW)                                                   | 1.11~0.15       | 1.4~0.19    | 1.89~0.25   | 2.47~0.31   | 3.05~0.4    | 3.92~0.57    | 5.08~0.73    | 3.92~0.57       | 5.08~0.73    |
| EER                                                                | 6.6~3.8         | 6.7~3.8     | 6.7~3.8     | 6.7~3.8     | 6.7~3.8     | 6.7~3.8      | 6.7~3.8      | 6.7~3.8         | 6.7~3.8      |
| * General data                                                     |                 |             |             |             |             |              |              |                 |              |
| Power supply                                                       | 220~240V/1/50Hz |             |             |             |             |              |              | 380~415V/3/50Hz |              |
| Max Power Input (kW)                                               | 1.45            | 1.75        | 2.2         | 2.5         | 3.2         | 4.45         | 6.43         | 4.76            | 6.93         |
| Max Current (A)                                                    | 7.1             | 8.3         | 10.2        | 11.9        | 14.7        | 20.4         | 30           | 7.9             | 11.3         |
| Water Flow Volume (m³/h)                                           | 2.5             | 3.5         | 4.5         | 5.5         | 6.5         | 9            | 12           | 9               | 12           |
| Refrigerant                                                        | R32             |             |             |             |             |              |              |                 |              |
| Heat Exchanger                                                     | Titanium        |             |             |             |             |              |              |                 |              |
| Air Flow Direction                                                 | Vertical        |             |             |             |             |              |              |                 |              |
| Automatic defrosting                                               | by 4 way valve  |             |             |             |             |              |              |                 |              |
| Working temp. range (℃)                                            | -15~43          |             |             |             |             |              |              |                 |              |
| Casing Material                                                    | ABS             |             |             |             |             |              |              |                 |              |
| Water Proof Level                                                  | IPX4            |             |             |             |             |              |              |                 |              |
| Noise level 1m dB(A)                                               | 39~49           | 40~52       | 42~53       | 43~55       | 45~56       | 47~58        | 49~59        | 47~58           | 49~59        |
| Noise level 10m dB(A)                                              | 20~29           | 20~32       | 22~33       | 23~35       | 25~36       | 27~38        | 29~39        | 27~38           | 29~39        |
| Net Weight (kg)                                                    | 44              | 46          | 55          | 57          | 61          | 86           | 92           | 86              | 92           |
| Gross Weight (kg)                                                  | 55              | 57          | 68          | 70          | 72          | 96           | 104          | 96              | 104          |
| Net Dimensions (mm)                                                | 530*530*640     | 530*530*640 | 650*650*770 | 650*650*770 | 650*650*770 | 715*715*955  | 715*715*955  | 715*715*955     | 715*715*955  |
| Package Dimensions (mm)                                            | 560*600*780     | 560*600*780 | 680*720*910 | 680*720*910 | 680*720*910 | 765*785*1080 | 765*785*1080 | 765*785*1080    | 765*785*1080 |

\* Please refer to the nameplate for product upgrades or changes in specifications without prior notice.