

## Specification Data Sheet - 2AB series - Chilled Water Inlet / Outlet 12 → 7°C, Cooling Water Inlet / Outlet 29.4 → 35°C

| Model            |               | unit              | 2AB75             | 2AB90 | 2AB110 | 2AB135 | 2AB155    | 2AB180 | 2AB210    | 2AB240 | 2AB270 | 2AB300     | 2AB340 | 2AB375 | 2AB420     | 2AB470 | 2AB525 | 2AB600      | 2AB675 | 2AB750 | 2AB825 | 2AB900 | 2AB975 | 2AB1050 | 2AB1125 |     |     |  |  |
|------------------|---------------|-------------------|-------------------|-------|--------|--------|-----------|--------|-----------|--------|--------|------------|--------|--------|------------|--------|--------|-------------|--------|--------|--------|--------|--------|---------|---------|-----|-----|--|--|
| Cooling Capacity |               | kW                | 295               | 355   | 436    | 534    | 612       | 710    | 830       | 949    | 1,065  | 1,185      | 1,343  | 1,484  | 1,660      | 1,857  | 2,075  | 2,370       | 2,669  | 2,964  | 3,260  | 3,558  | 3,854  | 4,149   | 4,448   |     |     |  |  |
|                  |               | usRT              | 84                | 101   | 124    | 152    | 174       | 202    | 236       | 270    | 303    | 337        | 382    | 422    | 472        | 528    | 590    | 674         | 759    | 843    | 927    | 1,012  | 1,096  | 1,180   | 1,265   |     |     |  |  |
| Chilled water    | Temp.         | °C                | 12 / 7            |       |        |        |           |        |           |        |        |            |        |        |            |        |        |             |        |        |        |        |        |         |         |     |     |  |  |
|                  | Flow rate     | m <sup>3</sup> /h | 50.8              | 61.1  | 75.0   | 91.9   | 105.2     | 122    | 143       | 163    | 183    | 204        | 231    | 255    | 285        | 319    | 357    | 408         | 459    | 510    | 561    | 612    | 663    | 714     | 765     |     |     |  |  |
|                  | P. Drop       | mH <sub>2</sub> O | 7.6               | 8.1   | 5.4    | 6.0    | 5.3       | 5.4    | 3.9       | 3.9    | 4.2    | 4.3        | 3.8    | 3.9    | 3.1        | 4.2    | 5.6    | 4.0         | 5.5    | 7.2    | 4.9    | 6.2    | 7.8    | 6.4     | 7.8     |     |     |  |  |
|                  | Connection    |                   | 100               |       |        |        | 125       |        |           |        | 150    |            |        |        | 200        |        |        |             | 250    |        |        |        | 300    |         |         |     |     |  |  |
| Cooling water    | Temp.         | °C                | 29.4 / 35         |       |        |        |           |        |           |        |        |            |        |        |            |        |        |             |        |        |        |        |        |         |         |     |     |  |  |
|                  | Flow rate     | m <sup>3</sup> /h | 116               | 140   | 172    | 211    | 241       | 280    | 327       | 374    | 420    | 467        | 530    | 585    | 655        | 732    | 818    | 935         | 1,053  | 1,169  | 1,285  | 1,403  | 1,520  | 1,636   | 1,754   |     |     |  |  |
|                  | P. Drop       | mH <sub>2</sub> O | 8.7               | 9.1   | 13.3   | 14.5   | 13.2      | 13.9   | 14.9      | 15.2   | 14.6   | 14.6       | 14.7   | 14.9   | 11.7       | 10.1   | 13.4   | 10.7        | 12.4   | 11.6   | 11.8   | 12.9   | 11.4   | 14.6    | 15.3    |     |     |  |  |
|                  | Connection    | m                 | 150               |       |        |        | 200       |        |           |        | 250    |            |        |        | 300        |        |        |             | 350    |        |        |        | 400    |         |         |     | 450 |  |  |
| Hot water        | Temp.         | °C                | 95 / 55           |       |        |        |           |        |           |        |        |            |        |        |            |        |        |             |        |        |        |        |        |         |         |     |     |  |  |
|                  | Flow rate     | ton/h             | 9.9               | 11.9  | 14.6   | 17.9   | 20.5      | 23.8   | 27.8      | 31.8   | 35.6   | 39.6       | 44.9   | 49.6   | 55.5       | 62.1   | 69.4   | 79.3        | 89.3   | 99.1   | 109    | 119    | 129    | 139     | 149     |     |     |  |  |
|                  | Pressure Drop | Shell             | mH <sub>2</sub> O | 6.6   | 7.0    | 5.2    | 5.9       | 5.1    | 5.5       | 7.3    | 7.8    | 6.7        | 7.0    | 7.5    | 7.5        | 5.0    | 6.8    | 5.4         | 3.5    | 4.6    | 6.0    | 4.9    | 6.1    | 7.5     | 5.3     | 6.4 |     |  |  |
|                  |               | Control Valve     | mH <sub>2</sub> O | 2.9   | 4.1    | 2.4    | 3.6       | 4.7    | 2.5       | 3.5    | 4.5    | 5.7        | 2.8    | 3.6    | 4.4        | 2.2    | 2.7    | 3.4         | 4.4    | 5.6    | 2.7    | 3.2    | 3.8    | 4.5     | 5.2     | 2.7 |     |  |  |
|                  | Connection    | mm                | 65                |       |        |        | 80        |        |           |        | 100    |            |        |        | 125        |        |        |             | 150    |        |        |        |        |         |         |     |     |  |  |
|                  | Control Valve | mm                | 40                |       | 50     |        | 65        |        | 80        |        | 100    |            | 125    |        | 150        |        |        |             |        |        |        |        |        |         |         |     |     |  |  |
| Electric         | Power source  | -                 | 3Φ, 400, 50Hz     |       |        |        |           |        |           |        |        |            |        |        |            |        |        |             |        |        |        |        |        |         |         |     |     |  |  |
|                  | Abs. Pumps    | kW (A)            | 4.5(14.4)         |       |        |        |           |        | 4.7(14.6) |        |        | 7.3(23.5A) |        |        | 8.2(28.7A) |        |        | 13.3(44.7A) |        |        |        |        |        |         |         |     |     |  |  |
|                  | Ref. Pump     | kW (A)            | 0.3(1.5A)         |       |        |        | 0.4(1.6A) |        |           |        |        |            |        |        | 1.5(3.8A)  |        |        |             |        |        |        |        |        |         |         |     |     |  |  |
|                  | Purge Pump    | kW (A)            | 0.4(1.4A)         |       |        |        |           |        |           |        |        |            |        |        | 0.75(2.2)  |        |        |             |        |        |        |        |        |         |         |     |     |  |  |
|                  | Control Panel | kW (A)            | 0.2(0.5A)         |       |        |        |           |        |           |        |        |            |        |        |            |        |        |             |        |        |        |        |        |         |         |     |     |  |  |
|                  | Total Ampere  | A                 | 17.8              |       |        |        | 17.9      |        |           |        | 18.1   |            | 27.0   |        | 32.2       |        | 50.4   |             | 51.2   |        |        |        |        |         |         |     |     |  |  |
| Size             | Length (L)    | mm                | 2,635             |       | 3,680  |        | 3,693     |        | 4,738     |        | 4,852  |            | 4,856  |        | 4,933      | 5,475  | 5,973  | 5,618       | 6,116  | 6,641  | 6,300  | 6,825  | 7,325  | 6,974   | 7,475   |     |     |  |  |
|                  | Width (W)     | mm                | 1,736             |       |        |        | 1,989     |        |           |        | 2,230  |            | 2,337  |        | 2,625      |        | 2,815  |             | 3,005  |        | 4,100  |        |        |         |         |     |     |  |  |
|                  | Height (H)    | mm                | 2,293             |       |        |        | 2,427     |        |           |        | 2,566  |            | 2,963  |        | 3,262      |        | 4,050  |             | 4,200  |        | 4,400  |        |        |         |         |     |     |  |  |
| Weight           | Rigging       | ton               | 4.4               | 4.6   | 5.7    | 6.0    | 7.2       | 7.5    | 8.8       | 9.2    | 11.3   | 11.8       | 13.5   | 14.0   | 19.0       | 20.7   | 22.2   | 26.7        | 28.7   | 30.7   | 36.4   | 38.4   | 40.8   | 46.1    | 53.1    |     |     |  |  |
|                  | Operation     | ton               | 5.1               | 5.3   | 6.6    | 7.0    | 8.4       | 8.9    | 10.4      | 10.9   | 13.4   | 14.1       | 16.2   | 16.9   | 23.0       | 25.0   | 26.9   | 31.6        | 34.0   | 36.3   | 43.1   | 45.5   | 48.3   | 56.1    | 64.1    |     |     |  |  |