

Table 2-5.13: KHC-14RY3 cooling capacity

| DB | Maximum | | | | | | | | | | | | | | |
|---------|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | 5 | | | 10 | | | 15 | | | 20 | | | 25 | | |
| | CC | PI | EER | CC | PI | EER | CC | PI | EER | CC | PI | EER | CC | PI | EER |
| -5 | / | / | / | / | / | / | 10.0 | 1.32 | 7.57 | 10.9 | 1.47 | 7.44 | 12.0 | 1.42 | 8.43 |
| 0 | / | / | / | / | / | / | 9.80 | 1.67 | 5.87 | 11.4 | 1.58 | 7.24 | 12.5 | 1.59 | 7.84 |
| 5 | / | / | / | / | / | / | 9.57 | 1.76 | 5.44 | 12.0 | 1.61 | 7.43 | 13.0 | 1.68 | 7.73 |
| 10 | / | / | / | / | / | / | 11.3 | 2.18 | 5.21 | 13.1 | 1.92 | 6.85 | 14.2 | 1.94 | 7.32 |
| 15 | / | / | / | 11.0 | 2.32 | 4.60 | 13.1 | 2.32 | 5.45 | 15.5 | 2.32 | 6.67 | 16.4 | 2.32 | 7.26 |
| 20 | 8.17 | 2.17 | 3.77 | 12.8 | 3.16 | 4.04 | 14.9 | 3.33 | 4.47 | 15.9 | 3.14 | 5.08 | 16.5 | 2.84 | 5.82 |
| 25 | 10.6 | 3.19 | 3.32 | 14.5 | 3.84 | 3.77 | 16.6 | 4.16 | 3.99 | 17.0 | 4.01 | 4.24 | 17.1 | 3.44 | 4.96 |
| 30 | 10.5 | 3.96 | 2.65 | 14.1 | 4.53 | 3.11 | 15.9 | 4.56 | 3.49 | 16.2 | 4.18 | 3.87 | 16.1 | 3.74 | 4.31 |
| 35 | 10.4 | 4.81 | 2.16 | 13.7 | 5.32 | 2.58 | 15.3 | 4.88 | 3.13 | 15.3 | 4.44 | 3.45 | 15.3 | 4.12 | 3.71 |
| 40 | 8.11 | 4.53 | 1.79 | 9.87 | 4.33 | 2.28 | 10.7 | 3.92 | 2.72 | 12.2 | 4.05 | 3.01 | 13.2 | 3.77 | 3.51 |
| 43 | 5.20 | 3.72 | 1.40 | 6.11 | 3.26 | 1.87 | 7.33 | 3.02 | 2.43 | 8.53 | 3.19 | 2.67 | 10.7 | 3.26 | 3.27 |
| Normal | | | | | | | | | | | | | | | |
| DB | LWT | | | | | | | | | | | | | | |
| | 5 | | | 10 | | | 15 | | | 20 | | | 25 | | |
| | CC | PI | EER | CC | PI | EER | CC | PI | EER | CC | PI | EER | CC | PI | EER |
| -5 | / | / | / | / | / | / | 8.07 | 0.94 | 8.56 | 8.88 | 1.03 | 8.60 | 9.72 | 1.01 | 9.61 |
| 0 | / | / | / | / | / | / | 7.90 | 1.18 | 6.71 | 9.33 | 1.11 | 8.39 | 10.2 | 1.11 | 9.13 |
| 5 | / | / | / | / | / | / | 7.67 | 1.29 | 5.93 | 9.61 | 1.16 | 8.28 | 10.6 | 1.24 | 8.50 |
| 10 | / | / | / | / | / | / | 9.12 | 1.60 | 5.69 | 10.6 | 1.38 | 7.65 | 11.5 | 1.43 | 8.07 |
| 15 | / | / | / | 8.24 | 1.67 | 4.94 | 11.0 | 1.85 | 5.92 | 13.4 | 1.79 | 7.48 | 13.8 | 1.68 | 8.19 |
| 20 | 6.37 | 1.61 | 3.96 | 10.3 | 2.35 | 4.40 | 12.4 | 2.52 | 4.92 | 13.7 | 2.44 | 5.61 | 14.4 | 2.19 | 6.56 |
| 25 | 8.40 | 2.39 | 3.52 | 11.9 | 2.89 | 4.12 | 14.1 | 3.23 | 4.35 | 14.8 | 3.14 | 4.73 | 15.1 | 2.65 | 5.68 |
| 30 | 8.44 | 2.99 | 2.82 | 11.8 | 3.49 | 3.37 | 13.7 | 3.57 | 3.83 | 14.3 | 3.37 | 4.25 | 14.4 | 2.97 | 4.86 |
| 35 | 8.07 | 3.56 | 2.27 | 11.3 | 4.00 | 2.81 | 12.6 | 3.65 | 3.45 | 13.4 | 3.52 | 3.80 | 13.9 | 3.35 | 4.15 |
| 40 | 6.62 | 3.45 | 1.92 | 8.35 | 3.35 | 2.49 | 9.28 | 3.09 | 3.00 | 10.9 | 3.24 | 3.38 | 12.0 | 2.97 | 4.05 |
| 43 | 4.27 | 2.93 | 1.45 | 4.80 | 2.44 | 1.97 | 5.83 | 2.23 | 2.61 | 7.30 | 2.47 | 2.96 | 8.44 | 2.30 | 3.66 |
| Minimum | | | | | | | | | | | | | | | |
| DB | LWT | | | | | | | | | | | | | | |
| | 5 | | | 10 | | | 15 | | | 20 | | | 25 | | |
| | CC | PI | EER | CC | PI | EER | CC | PI | EER | CC | PI | EER | CC | PI | EER |
| -5 | / | / | / | / | / | / | 5.22 | 0.59 | 8.92 | 5.73 | 0.65 | 8.86 | 6.30 | 0.63 | 10.08 |
| 0 | / | / | / | / | / | / | 5.13 | 0.73 | 7.01 | 6.04 | 0.69 | 8.75 | 6.61 | 0.70 | 9.47 |
| 5 | / | / | / | / | / | / | 4.12 | 0.65 | 6.37 | 5.21 | 0.59 | 8.80 | 5.68 | 0.62 | 9.15 |
| 10 | / | / | / | / | / | / | 5.06 | 0.82 | 6.16 | 5.91 | 0.72 | 8.20 | 6.40 | 0.73 | 8.75 |
| 15 | / | / | / | 5.05 | 0.96 | 5.24 | 5.88 | 0.93 | 6.32 | 6.68 | 0.81 | 8.25 | 7.86 | 0.87 | 9.07 |
| 20 | 3.22 | 0.78 | 4.12 | 4.52 | 0.99 | 4.58 | 6.16 | 1.18 | 5.21 | 7.55 | 1.28 | 5.92 | 8.16 | 1.18 | 6.93 |
| 25 | 4.03 | 1.12 | 3.60 | 4.93 | 1.14 | 4.32 | 6.65 | 1.45 | 4.58 | 7.82 | 1.58 | 4.96 | 8.19 | 1.38 | 5.95 |
| 30 | 4.01 | 1.39 | 2.88 | 4.82 | 1.37 | 3.53 | 6.41 | 1.60 | 4.01 | 7.47 | 1.67 | 4.48 | 7.77 | 1.54 | 5.04 |
| 35 | 3.67 | 1.58 | 2.33 | 5.23 | 1.78 | 2.94 | 6.29 | 1.70 | 3.69 | 7.13 | 1.73 | 4.11 | 7.66 | 1.73 | 4.44 |
| 40 | 2.99 | 1.56 | 1.91 | 3.91 | 1.53 | 2.56 | 4.55 | 1.46 | 3.11 | 5.85 | 1.67 | 3.50 | 6.83 | 1.66 | 4.12 |
| 43 | 1.46 | 0.98 | 1.48 | 2.30 | 1.13 | 2.03 | 3.05 | 1.12 | 2.72 | 3.72 | 1.22 | 3.04 | 5.38 | 1.42 | 3.80 |

Abbreviations:

LWT: Leaving water temperature (°C)

DB: Dry-bulb temperature for Outdoor air temperature (°C)

CC: Total cooling capacity (kW)

PI: Power input (kW)