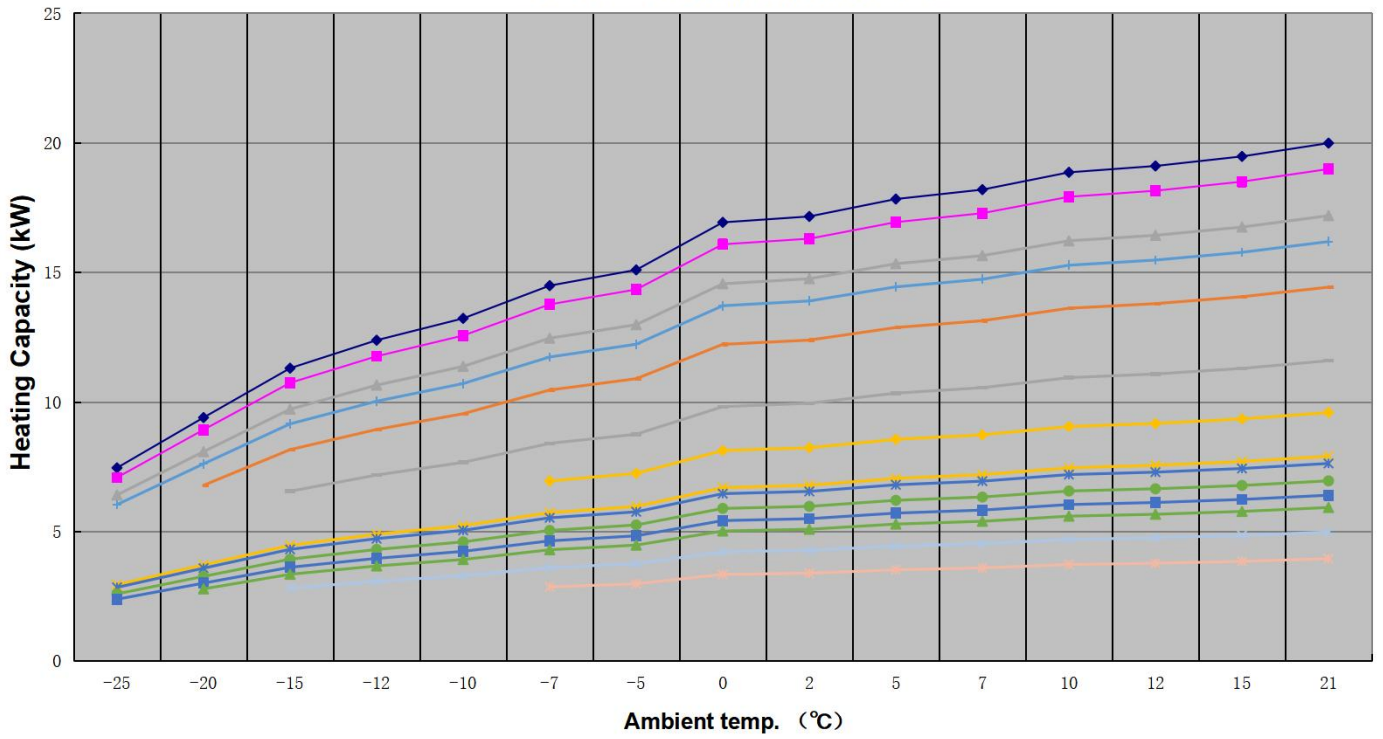


**PW055-DKZLRS-E For heating**

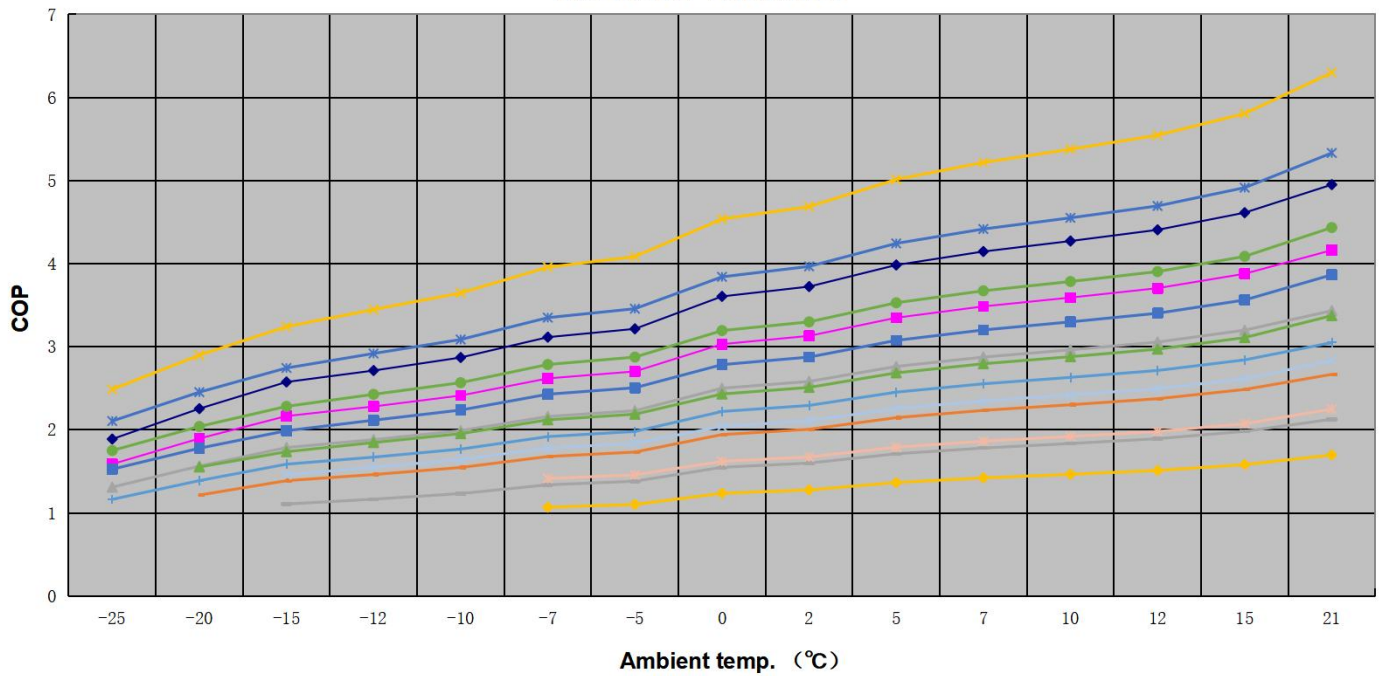
| Ambient temp. (℃)     |     | -25                   | -20  | -15  | -12  | -10  | -7   | -5   | 0    | 2    | 5    | 7    | 10   | 12   | 15   | 21   |      |
|-----------------------|-----|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Water temp. outlet35℃ | MAX | Heating Capacity (kW) | 7.5  | 9.4  | 11.3 | 12.4 | 13.2 | 14.5 | 15.1 | 16.9 | 17.2 | 17.8 | 18.2 | 18.9 | 19.1 | 19.5 | 20.0 |
|                       |     | Input power (kW)      | 3.95 | 4.17 | 4.39 | 4.57 | 4.61 | 4.65 | 4.70 | 4.70 | 4.61 | 4.48 | 4.39 | 4.42 | 4.34 | 4.22 | 4.04 |
|                       |     | COP                   | 1.89 | 2.25 | 2.58 | 2.71 | 2.87 | 3.11 | 3.22 | 3.61 | 3.72 | 3.98 | 4.15 | 4.27 | 4.41 | 4.61 | 4.95 |
|                       | MIN | Heating Capacity (kW) | 3.0  | 3.7  | 4.5  | 4.9  | 5.2  | 5.7  | 6.0  | 6.7  | 6.8  | 7.1  | 7.2  | 7.5  | 7.6  | 7.7  | 7.9  |
|                       |     | Input power (kW)      | 1.19 | 1.28 | 1.38 | 1.42 | 1.44 | 1.45 | 1.46 | 1.48 | 1.45 | 1.41 | 1.38 | 1.39 | 1.36 | 1.33 | 1.26 |
|                       |     | COP                   | 2.49 | 2.90 | 3.24 | 3.45 | 3.65 | 3.96 | 4.08 | 4.54 | 4.69 | 5.01 | 5.22 | 5.38 | 5.55 | 5.81 | 6.30 |
| Water temp. outlet45℃ | MAX | Heating Capacity (kW) | 7.1  | 8.9  | 10.7 | 11.8 | 12.6 | 13.8 | 14.3 | 16.1 | 16.3 | 16.9 | 17.3 | 17.9 | 18.2 | 18.5 | 19.0 |
|                       |     | Input power (kW)      | 4.46 | 4.71 | 4.96 | 5.16 | 5.21 | 5.26 | 5.31 | 5.31 | 5.21 | 5.06 | 4.96 | 4.99 | 4.90 | 4.77 | 4.56 |
|                       |     | COP                   | 1.59 | 1.90 | 2.17 | 2.28 | 2.41 | 2.62 | 2.70 | 3.03 | 3.13 | 3.35 | 3.49 | 3.59 | 3.70 | 3.88 | 4.16 |
|                       | MIN | Heating Capacity (kW) | 2.8  | 3.6  | 4.3  | 4.7  | 5.1  | 5.5  | 5.8  | 6.5  | 6.6  | 6.8  | 6.9  | 7.2  | 7.3  | 7.4  | 7.6  |
|                       |     | Input power (kW)      | 1.35 | 1.46 | 1.57 | 1.62 | 1.64 | 1.65 | 1.67 | 1.68 | 1.65 | 1.60 | 1.57 | 1.58 | 1.55 | 1.51 | 1.43 |
|                       |     | COP                   | 2.11 | 2.45 | 2.74 | 2.92 | 3.09 | 3.35 | 3.46 | 3.84 | 3.97 | 4.24 | 4.42 | 4.55 | 4.69 | 4.91 | 5.33 |
| Water temp. outlet55℃ | MAX | Heating Capacity (kW) | 6.4  | 8.1  | 9.7  | 10.7 | 11.4 | 12.5 | 13.0 | 14.6 | 14.8 | 15.3 | 15.7 | 16.2 | 16.4 | 16.8 | 17.2 |
|                       |     | Input power (kW)      | 4.90 | 5.17 | 5.44 | 5.66 | 5.72 | 5.77 | 5.82 | 5.82 | 5.72 | 5.55 | 5.44 | 5.48 | 5.38 | 5.24 | 5.01 |
|                       |     | COP                   | 1.31 | 1.56 | 1.79 | 1.88 | 1.99 | 2.16 | 2.23 | 2.50 | 2.58 | 2.76 | 2.88 | 2.96 | 3.06 | 3.20 | 3.43 |
|                       | MIN | Heating Capacity (kW) | 2.6  | 3.3  | 3.9  | 4.3  | 4.6  | 5.0  | 5.3  | 5.9  | 6.0  | 6.2  | 6.3  | 6.6  | 6.7  | 6.8  | 7.0  |
|                       |     | Input power (kW)      | 1.48 | 1.60 | 1.73 | 1.78 | 1.79 | 1.81 | 1.83 | 1.85 | 1.81 | 1.76 | 1.73 | 1.74 | 1.70 | 1.66 | 1.57 |
|                       |     | COP                   | 1.75 | 2.04 | 2.28 | 2.43 | 2.57 | 2.79 | 2.88 | 3.19 | 3.30 | 3.53 | 3.67 | 3.78 | 3.90 | 4.09 | 4.43 |
| Water temp. outlet60℃ | MAX | Heating Capacity (kW) | 6.0  | 7.6  | 9.2  | 10.0 | 10.7 | 11.7 | 12.2 | 13.7 | 13.9 | 14.4 | 14.7 | 15.3 | 15.5 | 15.8 | 16.2 |
|                       |     | Input power (kW)      | 5.20 | 5.48 | 5.77 | 6.00 | 6.06 | 6.12 | 6.18 | 6.18 | 6.06 | 5.89 | 5.77 | 5.81 | 5.70 | 5.55 | 5.31 |
|                       |     | COP                   | 1.16 | 1.39 | 1.59 | 1.67 | 1.77 | 1.92 | 1.98 | 2.22 | 2.29 | 2.45 | 2.55 | 2.63 | 2.71 | 2.84 | 3.05 |
|                       | MIN | Heating Capacity (kW) | 2.4  | 3.0  | 3.6  | 4.0  | 4.2  | 4.6  | 4.8  | 5.4  | 5.5  | 5.7  | 5.8  | 6.0  | 6.1  | 6.2  | 6.4  |
|                       |     | Input power (kW)      | 1.57 | 1.69 | 1.82 | 1.88 | 1.89 | 1.91 | 1.93 | 1.95 | 1.91 | 1.86 | 1.82 | 1.83 | 1.80 | 1.75 | 1.66 |
|                       |     | COP                   | 1.53 | 1.78 | 1.99 | 2.12 | 2.24 | 2.43 | 2.51 | 2.78 | 2.88 | 3.08 | 3.20 | 3.30 | 3.40 | 3.56 | 3.87 |
| Water temp. outlet65℃ | MAX | Heating Capacity (kW) |      | 6.8  | 8.2  | 8.9  | 9.6  | 10.5 | 10.9 | 12.2 | 12.4 | 12.9 | 13.1 | 13.6 | 13.8 | 14.1 | 14.4 |
|                       |     | Input power (kW)      |      | 5.59 | 5.88 | 6.12 | 6.18 | 6.24 | 6.29 | 6.29 | 6.18 | 6.00 | 5.88 | 5.92 | 5.81 | 5.66 | 5.41 |
|                       |     | COP                   |      | 1.21 | 1.39 | 1.46 | 1.55 | 1.68 | 1.73 | 1.94 | 2.01 | 2.15 | 2.23 | 2.30 | 2.37 | 2.49 | 2.67 |
|                       | MIN | Heating Capacity (kW) |      | 2.8  | 3.4  | 3.7  | 3.9  | 4.3  | 4.5  | 5.0  | 5.1  | 5.3  | 5.4  | 5.6  | 5.7  | 5.8  | 5.9  |
|                       |     | Input power (kW)      |      | 1.80 | 1.93 | 1.99 | 2.01 | 2.03 | 2.05 | 2.07 | 2.03 | 1.97 | 1.93 | 1.94 | 1.91 | 1.86 | 1.76 |
|                       |     | COP                   |      | 1.55 | 1.74 | 1.85 | 1.95 | 2.12 | 2.19 | 2.43 | 2.51 | 2.69 | 2.80 | 2.88 | 2.97 | 3.11 | 3.37 |
| Water temp. outlet70℃ | MAX | Heating Capacity (kW) |      |      | 6.6  | 7.2  | 7.7  | 8.4  | 8.8  | 9.8  | 10.0 | 10.3 | 10.6 | 10.9 | 11.1 | 11.3 | 11.6 |
|                       |     | Input power (kW)      |      |      | 5.93 | 6.16 | 6.22 | 6.28 | 6.34 | 6.34 | 6.22 | 6.05 | 5.93 | 5.96 | 5.86 | 5.70 | 5.45 |
|                       |     | COP                   |      |      | 1.11 | 1.17 | 1.23 | 1.34 | 1.38 | 1.55 | 1.60 | 1.71 | 1.78 | 1.84 | 1.89 | 1.98 | 2.13 |
|                       | MIN | Heating Capacity (kW) |      |      | 2.8  | 3.1  | 3.3  | 3.6  | 3.8  | 4.2  | 4.3  | 4.4  | 4.5  | 4.7  | 4.8  | 4.9  | 5.0  |
|                       |     | Input power (kW)      |      |      | 1.93 | 1.99 | 2.01 | 2.03 | 2.05 | 2.07 | 2.03 | 1.97 | 1.93 | 1.94 | 1.91 | 1.86 | 1.76 |
|                       |     | COP                   |      |      | 1.46 | 1.55 | 1.64 | 1.78 | 1.84 | 2.04 | 2.11 | 2.26 | 2.35 | 2.42 | 2.50 | 2.61 | 2.83 |
| Water temp. outlet75℃ | MAX | Heating Capacity (kW) |      |      |      |      | 7.0  | 7.2  | 8.1  | 8.2  | 8.6  | 8.7  | 9.1  | 9.2  | 9.4  | 9.6  |      |
|                       |     | Input power (kW)      |      |      |      |      | 6.51 | 6.58 | 6.58 | 6.45 | 6.27 | 6.15 | 6.18 | 6.07 | 5.91 | 5.65 |      |
|                       |     | COP                   |      |      |      |      | 1.07 | 1.10 | 1.24 | 1.28 | 1.37 | 1.42 | 1.46 | 1.51 | 1.58 | 1.70 |      |
|                       | MIN | Heating Capacity (kW) |      |      |      |      | 2.9  | 3.0  | 3.4  | 3.4  | 3.5  | 3.6  | 3.7  | 3.8  | 3.9  | 4.0  |      |
|                       |     | Input power (kW)      |      |      |      |      | 2.03 | 2.05 | 2.07 | 2.03 | 1.97 | 1.93 | 1.94 | 1.91 | 1.86 | 1.76 |      |
|                       |     | COP                   |      |      |      |      | 1.41 | 1.46 | 1.62 | 1.67 | 1.79 | 1.86 | 1.92 | 1.98 | 2.07 | 2.25 |      |
| Ambient temp. (℃)     |     | -25                   | -20  | -15  | -12  | -10  | -7   | -5   | 0    | 2    | 5    | 7    | 10   | 12   | 15   | 21   |      |

**Curve of Heating Capacity Performance**



- ◆ MAX (35°C)
- MAX (45°C)
- ▲ MAX (55°C)
- + MAX (60°C)
- MAX (65°C)
- MAX (70°C)
- ◆ MAX (75°C)
- ◆ MIN (35°C)
- \* MIN (45°C)
- MIN (55°C)
- MIN (60°C)
- ▲ MIN (65°C)
- + MIN (70°C)
- MIN (75°C)

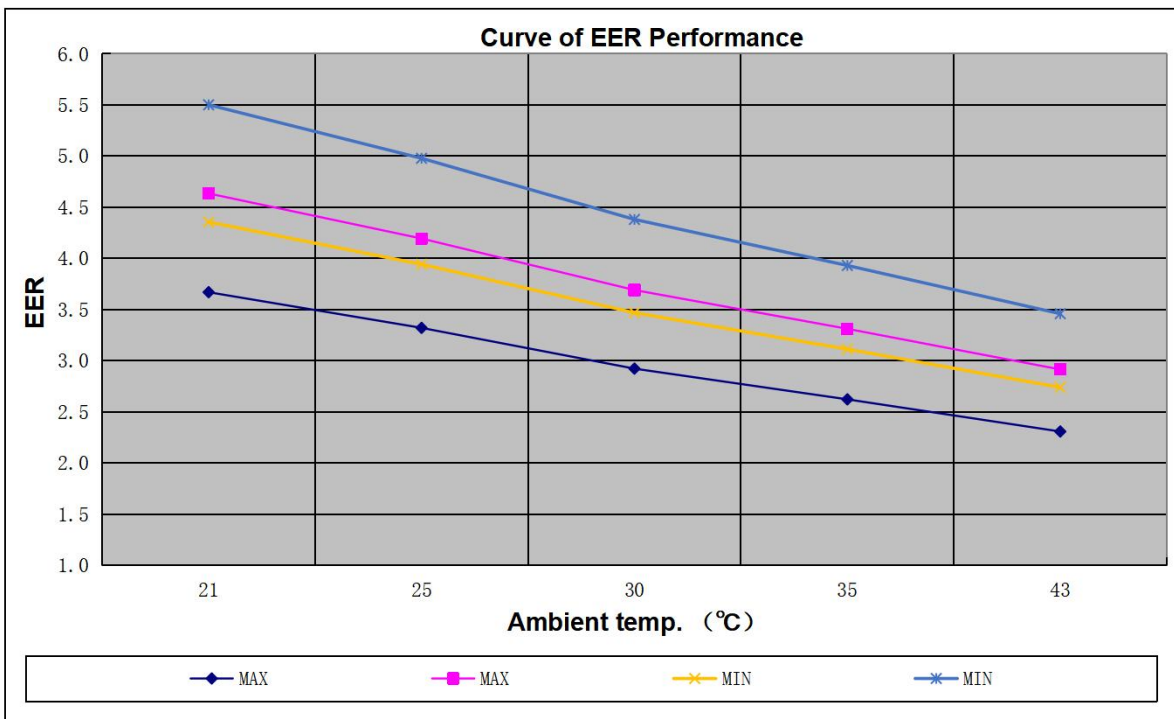
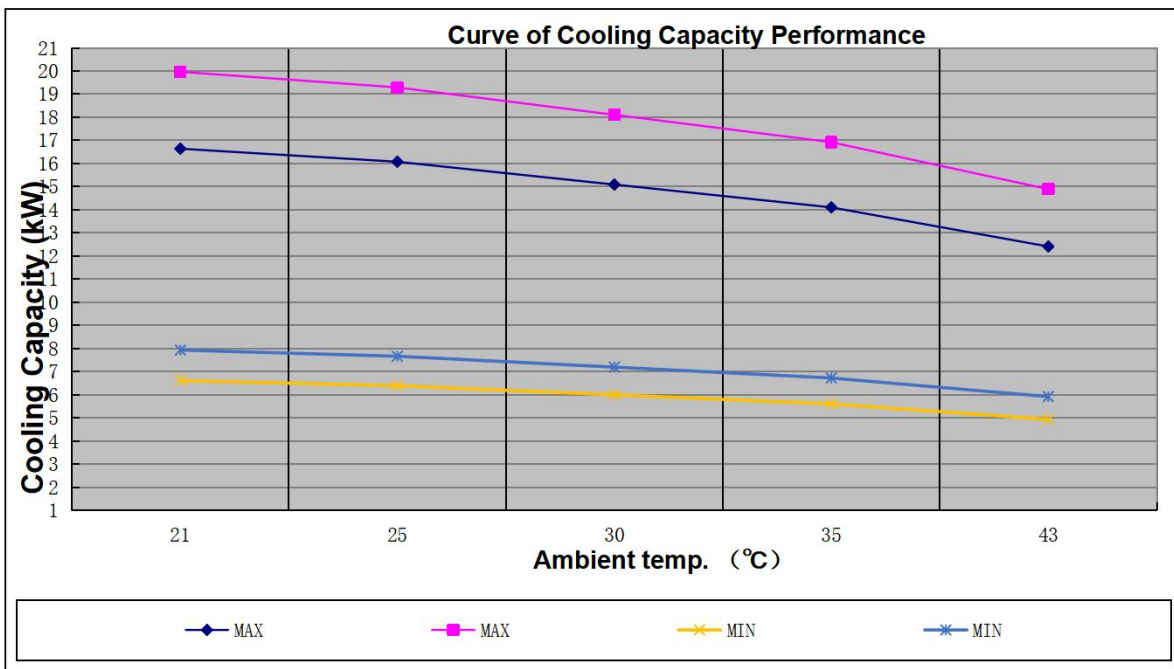
**Curve of COP Performance**



- ◆ MAX (35°C)
- MAX (45°C)
- ▲ MAX (55°C)
- + MAX (60°C)
- MAX (65°C)
- MAX (70°C)
- ◆ MAX (75°C)
- ◆ MIN (35°C)
- \* MIN (45°C)
- MIN (55°C)
- MIN (60°C)
- ▲ MIN (65°C)
- + MIN (70°C)
- MIN (75°C)

## PW055-DKZLRS-E For Cooling

|                           |     |                       |      |      |      |      |      |
|---------------------------|-----|-----------------------|------|------|------|------|------|
| Water temp.<br>outlet7°C  | MAX | Cooling Capacity (kW) | 16.6 | 16.1 | 15.1 | 14.1 | 12.4 |
|                           |     | Input power (kW)      | 4.54 | 4.84 | 5.16 | 5.38 | 5.38 |
|                           |     | COP                   | 3.67 | 3.32 | 2.92 | 2.62 | 2.31 |
|                           | MIN | Cooling Capacity (kW) | 6.6  | 6.4  | 6.0  | 5.6  | 4.9  |
|                           |     | Input power (kW)      | 1.52 | 1.62 | 1.73 | 1.80 | 1.80 |
|                           |     | COP                   | 4.35 | 3.94 | 3.47 | 3.11 | 2.74 |
| Water temp.<br>outlet18°C | MAX | Cooling Capacity (kW) | 20.0 | 19.3 | 18.1 | 16.9 | 14.9 |
|                           |     | Input power (kW)      | 4.31 | 4.60 | 4.91 | 5.11 | 5.11 |
|                           |     | COP                   | 4.63 | 4.19 | 3.69 | 3.31 | 2.91 |
|                           | MIN | Cooling Capacity (kW) | 7.9  | 7.7  | 7.2  | 6.7  | 5.9  |
|                           |     | Input power (kW)      | 1.44 | 1.54 | 1.64 | 1.71 | 1.71 |
|                           |     | COP                   | 5.50 | 4.98 | 4.38 | 3.93 | 3.46 |
| Ambient temp. (°C)        |     |                       | 21   | 25   | 30   | 35   | 43   |



## PW055-DKZLRS-E For DHW

|                       |      |      |      |      |      |      |      |      |      |
|-----------------------|------|------|------|------|------|------|------|------|------|
| Heating Capacity (kW) | 6.1  | 7.6  | 10.0 | 12.3 | 14.4 | 16.2 | 17.0 | 17.8 | 18.1 |
| Input power (kW)      | 4.21 | 4.28 | 4.42 | 4.49 | 4.54 | 4.58 | 4.26 | 4.03 | 3.80 |
| COP                   | 1.44 | 1.77 | 2.27 | 2.74 | 3.18 | 3.54 | 3.99 | 4.42 | 4.77 |
| Ambient temp. (°C)    | -25  | -20  | -12  | -5   | 2    | 7    | 20   | 30   | 43   |

