# Heat Pump

## SL-HP9KL/13KR / SL-HP18.5KR



**1** *Economical and Environmentally*
- Heat pump uses the R290 eco-friendly refrigerant whose GWP is lower than 20 and helps curb global warming. The heat pump with R290 reaches higher efficiency than those with other refrigerants.

**2** *ErP Excellent*
- Complying with ErP directives, Heat pump attains the A+++ energy label, which meets users' needs for low energy bills.

**3** *Full DC Inverter Technology*
- The Heat Pump adopts full DC inverter technology, which can automatically adjust the frequency according to the ambient temperature to achieve a more constant temperature and bring users a quite comfortable experience at home.

**4** *Low Noise*
- SLenergy devotes to creating a pretty quiet running environment for the user through multiple noise reduction measures.

**5** *IOT Function*
- Connect the App to check the realtime running status, historical recordsand control the heat pump remotely.

**6** *Colored Wire Controller*
- The Heat pumps utilize an intelligent color LCD display with high definition interface and powerful functions, which is very friendly and helpful for users to view and control.

**7** *Perfectly Compatible with Solar Systems*
- Optimizing energy coordination control for heightened efficiency and sustainable power utilization.



Single-Fan Cabinet: **SL-HP9KL/13KR**

Double-Fan Cabinet: **SL-HP18.5KR**

---

| Mode: NE-F | | SL-HP9KL | SL-HP13KR | SL-HP18.5KR |
|---|---|---|---|---|
| Power Supply | | 220-240V~/50Hz | 380-415V/3N~/50Hz | |
| [Space Heating] Ambient Temp. (DB/WB): 7°C/6°C, Water Temp. (Inlet/Outlet): 30°C/35°C. | | | | |
| Heating Capacity | [kW] | 3.50~8.81 | 4.50~12.74 | 6.30~18.00 |
| Power Input | [kW] | 0.58~1.89 | 0.75~2.82 | 1.05~3.92 |
| Heating Current Input Range | [A] | 2.65~8.18 | 1.23~4.61 | 1.71~6.40 |
| COP | | 6.00~4.65 | 6.00~4.52 | 6.00~4.59 |
| [Space Heating] Ambient Temp. (DB/WB): 7°C/6°C, Water Temp. (Inlet/Outlet): 50°C/55°C. | | | | |
| Heating Capacity | [kW] | 3.15~7.98 | 3.90~11.25 | 5.7~16.20 |
| Power Input | [kW] | 0.68~2.55 | 0.85~3.66 | 1.24~5.58 |
| Heating Current Input Range | [A] | 3.11~11.00 | 1.39~5.98 | 2.02~9.12 |
| COP | | 4.63~3.13 | 4.59~3.07 | 4.60~2.90 |
| [Space Cooling] Ambient Temp. (DB/WB): 35°C/-, Water Temp. (Inlet/Outlet): 12°C/7°C. | | | | |
| Cooling Capacity | [kW] | 1.53~5.96 | 2.93~8.87 | 4.0~13.5 |
| Power Input | [kW] | 0.33~2.11 | 0.63~3.26 | 0.86~4.50 |
| Cooling Current Input Range | [A] | 1.51~9.13 | 1.03~5.33 | 1.41~7.35 |
| EER | | 4.64~2.82 | 4.65~2.72 | 4.63~3.0 |
| [Hot Water] Ambient Temp. (DB/WB): 20°C/15°C, Water Temp. from 15°C to 55°C. | | | | |
| Heating Capacity | [kW] | 9.33 | 13.9 | 19.8 |
| Power Input | [kW] | 2.14 | 3.28 | 4.60 |
| Hot Water Current Input Range | [A] | 9.8 | 5.36 | 7.51 |
| COP | | 4.35 | 4.24 | 4.3 |
| Max. Power Input | [kW] | 4 | 5 | 6.5 |
| Max. Running Current | [A] | 18.3 | 8.7 | 11.3 |
| Max. Outlet Water Temp. | [°C] | 75 | | |
| Operation Range | [°C] | -25~43 | | |
| Power Supply | | 220-240V~/50Hz | 380-415V/3N~/50Hz | |
| Rated Water Flow | [m³/h] | 1.5 | 2.19 | 3.1 |
| Water Pressure Drop | [kPa] | 37 | 41 | 60 |
| Expansion Tank | [L] | 2 | 2 | 5 |
| Compressor Brand | | HIGHLY | HIGHLY | HIGHLY |
| Water Side Heat Exchanger | | Plate Heat Exchanger | | |
| Air Side Heat Exchanger | | Finned Heat Exchanger | | |
| $CO_2$ Equivalent | [Ton] | 0.0023 | 0.0029 | 0.0049 |
| ErP Level | [35°C] | A+++ | | |
| ErP Level | [55°C] | A++ | | |
| Display | [°C] | 4-inch Colored Touch Screen | | |
| Wi-Fi Function | [°C] | YES | | |
| Refrigerant Type | [°C] | R290 | | |
| Refrigerant weight | [KG] | 0.78 | 0.94 | 1.65 |
| Sound Pressure Level dB | [A] at 1m | 43~54 | 43~55 | 44~56 |
| Sound power level dB | [A] at 1m | 57.7~68.7 | 57.7~69.7 | 59.5~71.5 |
| Water Pipe Connection | [inch] | G1 1/4" | | |
| Fan Motor Type | | DC motor | DC motor | DC motor |
| Fan Quantity | | 1 | 1 | 2 |
| Water Proof Class | | IPX4 | | |
| Electricity Shock Proof | | I | | |
| Net Weight | [kg] | 100 | 121 | 186 |
| Net Dimensions (L×W×H) | [mm] | 1263×440×875 | 1263×440×875 | 1263×440×1375 |
| Carton Dimensions (L×W×H) | [mm] | 1327×455×1020 | 1327×455×1020 | 1327×455×1525 |
| Shipping Weight | [kg] | 133 | 154 | 206 |
| Wooden box Dimensions (L×W×H) | [mm] | 1347×475×1040 | 1347×475×1040 | 1347×475×1530 |
| Shipping Weight | [kg] | 138 | 159 | 240 |