

POWER WORLD

THE POWER TO PROMOTE WORLD DEVELOPMENT!



HEATING & COOLING HEAT PUMP

makes your Smart homes and Green life easier



2023 PRODUCT
CATALOGUE



COMMERCIAL SERIES

EVI DC INVERTER HEAT PUMP

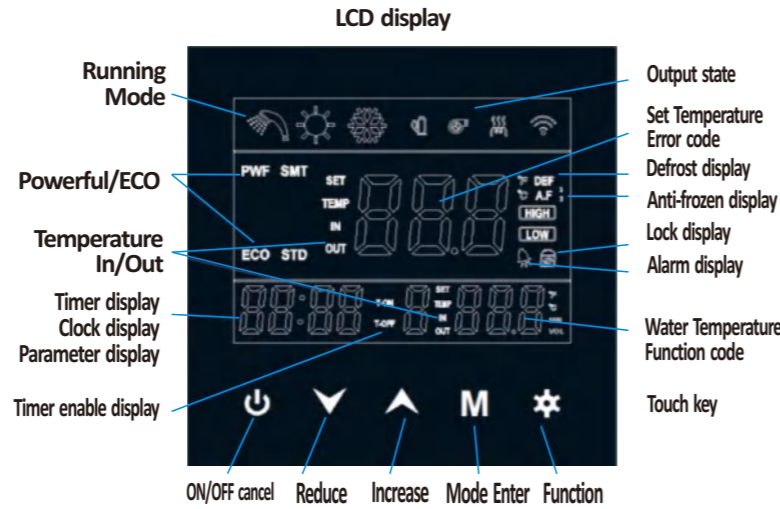
 AMBIENT -30°C
TEMPERATURE



COMMERCIAL SERIES



Commercial Series EVI DC Inverter Heat Pump combines eco-friendly R410A refrigerant and inverter EVI technology to produce 50°C hot water, it is applied for large buildings heating and cooling even at -30°C low temperature countries and areas.



- Heating Function
- Cooling Function

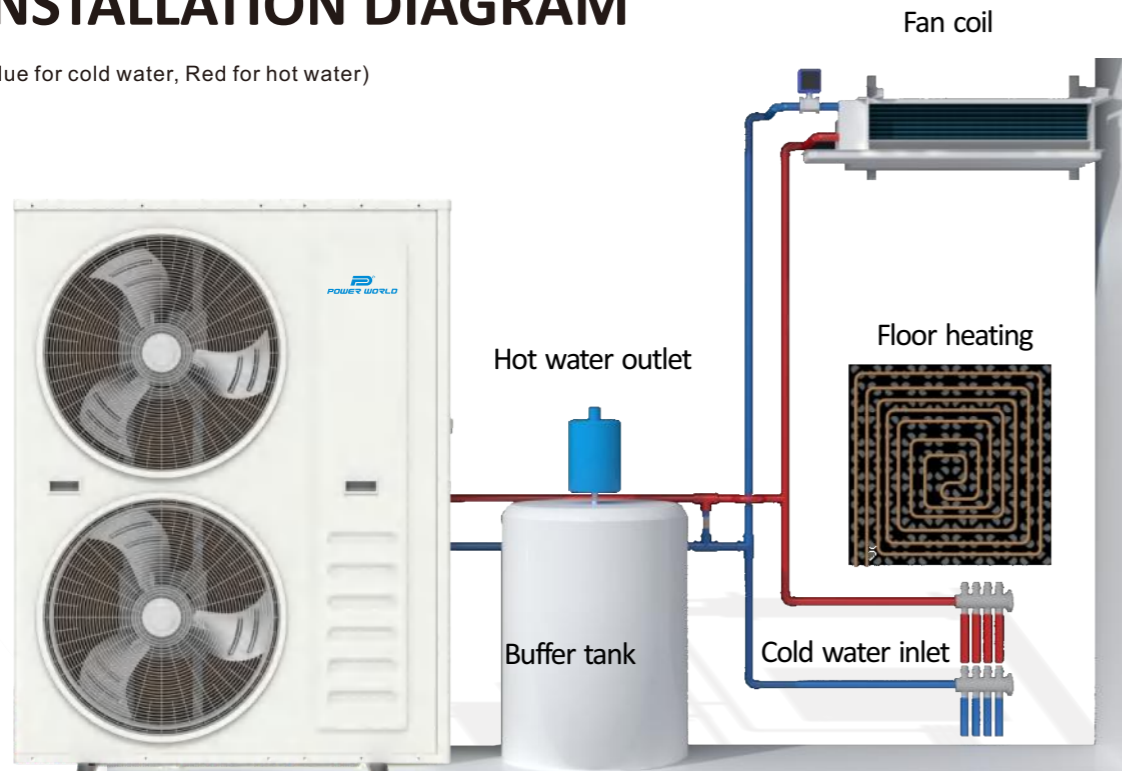
| Model | PF-030 DC/E | PF-050 DC/NE | PW080-KFLRDC | PW100-KFLRDC | PW120-KFLRDC | PW150-KFLRDC | PW300-KFLRDC |
|--|-------------------|------------------|---------------|---------------|--------------------|--------------------|----------------|
| Heating working condition: Water temperature(inlet/outlet) : 30°C/35°C, (DB/WB): 7°C/6°C. | | | | | | | |
| Heating capacity (kw) | 7.4~12.3 | 11.7~20.5 | 12.6~25.3 | 13.2~27.6 | 15.5~35.2 | 19.0~43.4 | 38.7~87.8 |
| Heating input range (kw) | 1.5~3.3 | 2.4~5.6 | 2.6~6.9 | 2.7~7.5 | 3.2~9.6 | 3.9~11.8 | 7.86~23.8 |
| Current range (A) | 7.5~16.5 | 4.8~10.6 | 5.1~13.8 | 5.4~15.2 | 6.3~19.4 | 7.8~23.6 | 15.7~47.6 |
| Cop range | 3.69~4.9 | 3.67~4.88 | 3.67~4.85 | 3.68~4.89 | 3.67~4.84 | 3.68~4.87 | 3.69~4.92 |
| Cooling working condition: Water temperature(inlet/outlet) : 12°C/7°C, (DB/WB): 35°C/24°C. | | | | | | | |
| Cooling capacity range (kw) | 4.9~8.9 | 8.2~14.8 | 9.8~18.3 | 11.1~20.2 | 12.5~27.5 | 15.1~34.4 | 31.6~72.3 |
| Cooling input power(kw) | 1.5~3.7 | 2.5~6.0 | 2.99~7.43 | 3.42~8.24 | 3.8~11.1 | 4.6~13.9 | 9.6~29.2 |
| Current range (A) | 7.3~18.1 | 5.0~12.0 | 5.98~14.8 | 6.9~16.7 | 7.6~22.5 | 9.3~27.8 | 19.2~58.1 |
| Eer range | 2.41~3.27 | 2.47~3.28 | 2.46~3.28 | 2.45~3.25 | 2.47~3.29 | 2.47~3.28 | 2.48~3.29 |
| Refrigerant | R410A | | | | | | |
| Power supply | 230V/1Ph /50-60Hz | 380V/3Ph/50-60Hz | | | | | |
| Working area | -30~43°C | | | | | | |
| Water circulation(m³/h) | 2.29 | 3.70 | 4.35 | 4.75 | 6.05 | 7.46 | 15.10 |
| Water pressure drop(kpa) | 25 | 30 | 46 | 46 | 50 | 56 | 60 |
| Ip grade (level of protection) | IPX4 | IPX4 | IPX4 | IPX4 | IPX4 | IPX4 | IPX4 |
| Anti-electric shock rate | I | I | I | I | I | I | I |
| Noise (dB(A)) | ≤53 | ≤58 | ≤60 | ≤60 | ≤62 | ≤62 | ≤62 |
| Net weight/Gross weight(kg) | 140/150 | 170/180 | 205/215 | 205/215 | 300/310 | 400/420 | 700/730 |
| Diameter of pipe (mm) | Dn25 | Dn25 | Dn25 | Dn25 | Dn32 (male thread) | Dn32 (male thread) | Dn65 (flange) |
| Body size(W*D*H) (mm) | 1076×480×800 | 1050×480×1330 | 1050×480×1330 | 1050×480×1330 | 1300×580×1450 | 1020×980×1870 | 2000×1000×1900 |
| Loading quantity (20GP/40GP/40) | 40/88/88 | 22/42/42 | 22/42/42 | 22/42/42 | 12/24/24 | 10/18/18 | 5/18/18 |
| Erp level (35°C) | A++ | A++ | A++ | A++ | A++ | A++ | A++ |
| Erp level (55°C) | A+ | A+ | A+ | A+ | A+ | A+ | A+ |
| Compressor brand | Panasonic | Mitsubishi | GMCC | GMCC | Panasonic | Hitachi | Hitachi |
| Operating water temperature(°C) Heating | 9~50°C | | | | | | |
| Operating water temperature(°C) Cooling | 7~35°C | | | | | | |

Note:

The data above is for reference only, Please refer to the nameplate on the unit if for more specific data.

INSTALLATION DIAGRAM

(Blue for cold water, Red for hot water)



GLOBAL PROJECT INSTALLATION CASES

HOUSE HEATING COOLING AND DHW HP INSTALLATION



SWIMMING POOL HEAT PUMP INSTALLATION

