

COMMERCIAL | WATER2WATER | WW SERIES

Reinventing Energy Efficiency



Key Features

Standard

- Geothermal
 - Scroll Compressor
 - R410-A Refrigerant
 - Coaxial Heat Exchanger Copper
 - Floating Base Pan*
 - Unit Protection Module 1
 - Compressor Blanket*
- * Only standard through WW060

Optional

- Coaxial Heat Exchanger Cupronickel
- Solid State Water to Water Unit Control
- Desuperheater
- Comfort Alert Diagnostics Module



WW 024-072



WW 0120-210



WW 122-240

WW SERIES

Superior Efficiency

FHP's one- and two-stage WW Series water-to-water modular reverse cycle chillers are designed to meet all your needs and requirements. Water-to-water units can be utilized for chiller/boilers hydronic heating, make-up air applications or swimming pool heating just to mention a few of their potential applications. The modular design gives you the flexibility to install units individually or in any combination to match the exact load requirement for your commercial project.

The single-stage WW Series is available for commercial applications from 2 to 10 tons. The two-stage WW Series is available in 10 tons and from 20 to 35 tons.

Quiet Operation

Our chillers have a fraction of the refrigerant charge of central station chillers and operate at a significantly reduced sound level. If you need to replace an old chiller or install a new quieter one, FHP has the most versatile design. The units fit easily through a standard 36" door.

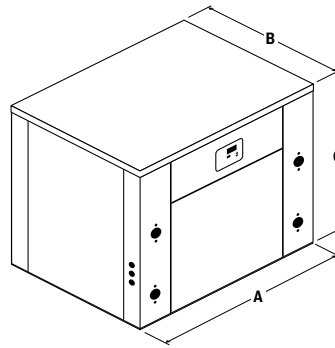
Environmentally Friendly

These highly efficient units not only will reduce your operating costs but play their part in reducing CO₂ emissions, a leading cause of global warming.

Quality

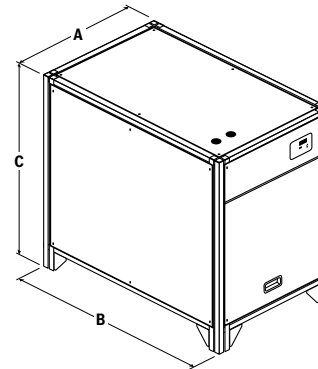
Rigorous factory testing virtually guarantees no hassle from the start while FHP's almost 40 years of experience in designing heat pumps for commercial applications is your assurance of a state of the art quality product. FHP's ISO 9001:2000 certified facilities provide consistent quality in every unit we build.

| MODEL | WW 024 - 072 SERIES DIMENSIONS | | |
|-------|----------------------------------|-----------|------------|
| | A (width) | B (depth) | C (height) |
| WW024 | 32.50 | 24.00 | 24.25 |
| WW036 | 32.50 | 24.00 | 24.25 |
| WW048 | 32.50 | 24.00 | 24.25 |
| WW060 | 32.50 | 24.00 | 24.25 |
| WW072 | 32.50 | 24.00 | 24.25 |

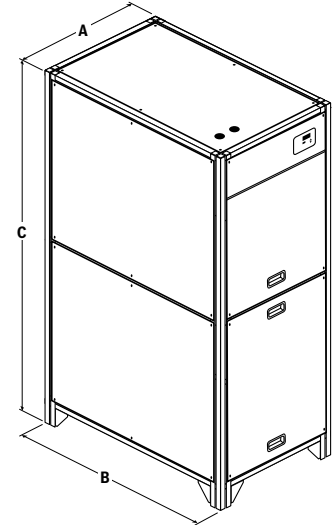


WW 024-072

| MODEL | WW 120 - 210 SERIES DIMENSIONS | | |
|--------|----------------------------------|-----------|------------|
| | A (width) | B (depth) | C (height) |
| WW120 | 28.00 | 46.00 | 37.50 |
| WW122* | 28.00 | 46.00 | 70.00 |
| WW180 | 28.00 | 46.00 | 70.00 |
| WW210 | 28.00 | 46.00 | 37.50 |



WW 0120-210



WW 122-240

| MODEL | ALL UNITS RATED IN ACCORDANCE WITH AHRI/ISO/ASHRAE/ANSI 13256-2 | | | | | | | | | | | | |
|--------|---|--------|------------------|--------|---------------------|--------|------------------|--------|--------------------|--------|------------------|--------|-----|
| | LOAD TEMPERATURE | | | | | | | | | | | | |
| | Water Loop (WLHP) | | | | Ground Water (GWHP) | | | | Ground Loop (GLHP) | | | | |
| | 53.6°F | | 104°F | | 53.6°F | | 104°F | | 53.6°F | | 104°F | | |
| | SOURCE TEMPERATURE | | | | | | | | | | | | |
| | 86°F | | 68°F | | 59°F | | 50°F | | 77°F | | 32°F | | |
| | CAPACITY AND EFFICIENCY DATA | | | | | | | | | | | | |
| | COOLING CAPACITY | EER | HEATING CAPACITY | COP | COOLING CAPACITY | EER | HEATING CAPACITY | COP | COOLING CAPACITY | EER | HEATING CAPACITY | COP | |
| | WW024 | 23,900 | 12.8 | 35,000 | 4.3 | 26,500 | 20.0 | 29,000 | 3.6 | 25,000 | 14.9 | 23,500 | 3.0 |
| | WW036 | 25,500 | 13.3 | 37,000 | 4.4 | 28,500 | 20.9 | 30,000 | 3.7 | 26,500 | 15.5 | 24,500 | 3.0 |
| WW048 | 39,300 | 12.8 | 57,000 | 4.3 | 44,000 | 19.9 | 47,000 | 3.6 | 41,000 | 14.8 | 38,500 | 2.9 | |
| WW060 | 51,300 | 12.7 | 75,500 | 4.4 | 56,000 | 19.2 | 62,000 | 3.6 | 53,000 | 14.6 | 50,500 | 3.0 | |
| WW072 | 55,100 | 13.2 | 80,000 | 4.4 | 61,000 | 20.4 | 65,000 | 3.6 | 57,500 | 15.3 | 52,000 | 2.9 | |
| WW120 | 110,100 | 13.5 | 160,000 | 4.4 | 125,000 | 19.2 | 129,000 | 3.7 | 116,000 | 15.5 | 103,500 | 3.0 | |
| WW122* | 114,600 | 13.3 | 168,000 | 4.5 | 127,000 | 20.5 | 135,500 | 3.6 | 119,500 | 15.5 | 108,000 | 2.9 | |
| WW180 | 127,000 | 13.8 | 180,500 | 4.5 | 143,000 | 20.7 | 148,500 | 3.8 | 132,500 | 15.9 | 121,000 | 3.2 | |
| WW210 | 164,200 | 13.2 | 239,500 | 4.4 | 185,500 | 19.1 | 194,000 | 3.7 | 171,500 | 15.1 | 156,000 | 3.0 | |

* 2 Stage unit



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