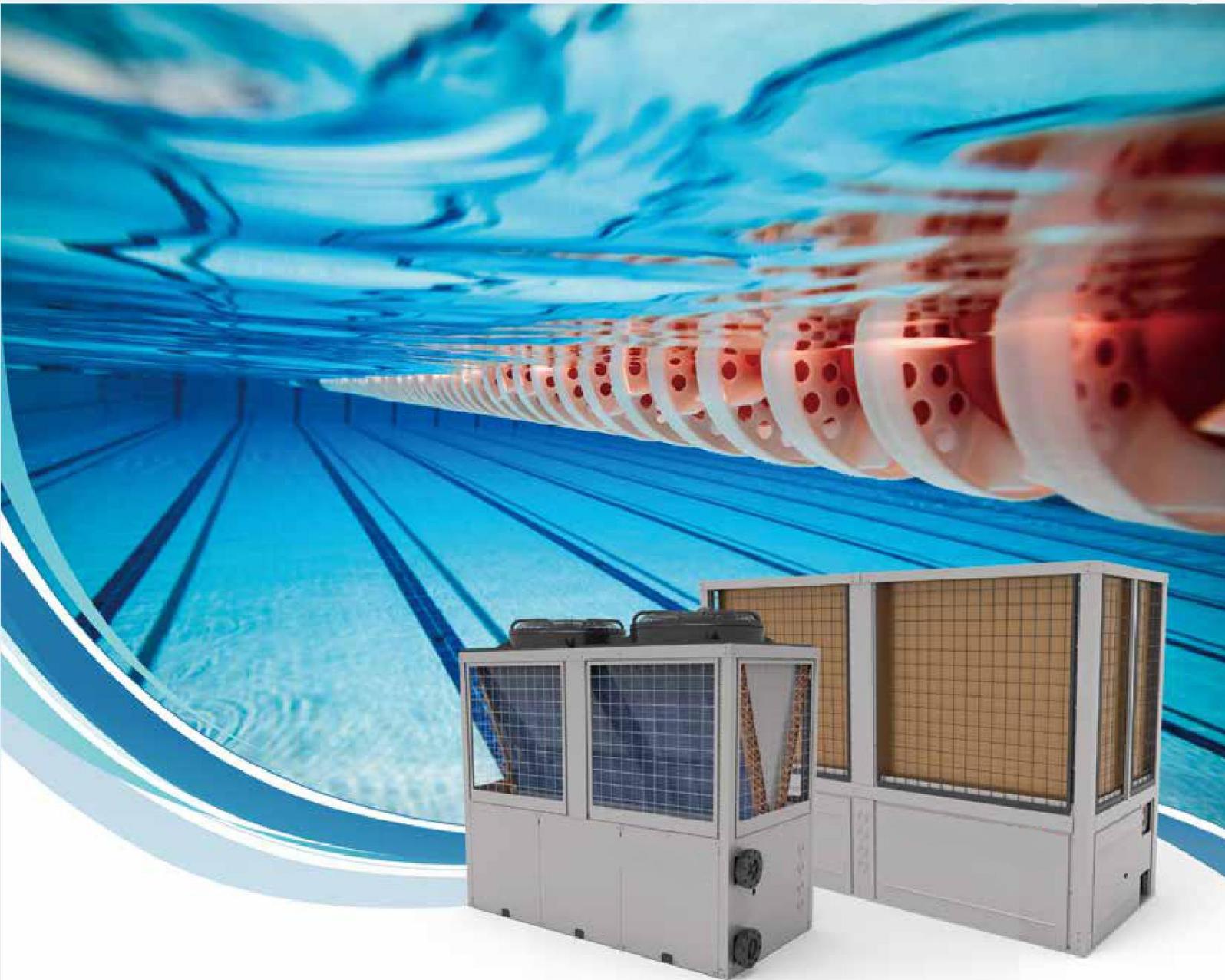




EcoMaster Series

Commercial Pool Heat Pumps

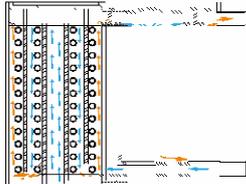


Not just quieter and easier operation beyond your imagination, Blue storm EcoMaster Series Commercial Pool Heat Pumps also ensure constant and reliable pool water temperature for cooling/heating on every commercial occasions.

Details



Titanium tube heat exchanger

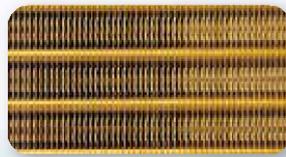
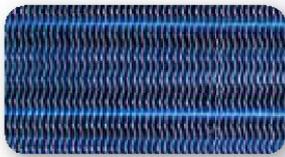


● Dual Coil Titanium Heat Exchanger

Compared with normal single coil heat exchangers, Bluestorm patented dual coil titanium heat exchanger enlarges the heat exchanging surface that increases the efficiency by providing an sufficient action area.

● Electric Expansion Valve

The units automatically adjust the refrigerant flow rate, ensuring that the units operate with high efficiency in all weather conditions.

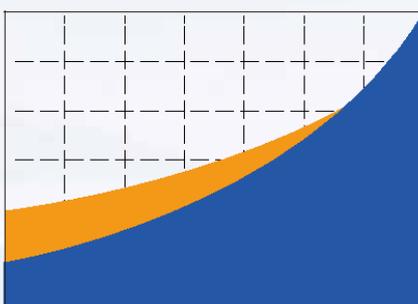
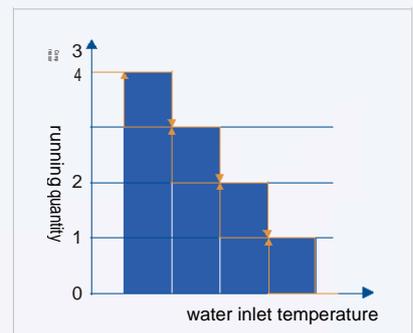


● Fin Heat Exchanger

Highly customizable, at least three kinds of fin heat exchangers can be opted, including the golden fin heat exchanger, blue fin heat exchanger, hydrophilic fin heat exchanger.

● Copeland Compressor

Compressor with precise energy stage settings ensures the working unit to achieve the desired energy saving effect.



Noise Level
Power Input

Fan speed

● Variable Speed Fan

The working units can adjust the fan speed at any time to reduce the input power and even the noise level to achieve energy saving and silent running.

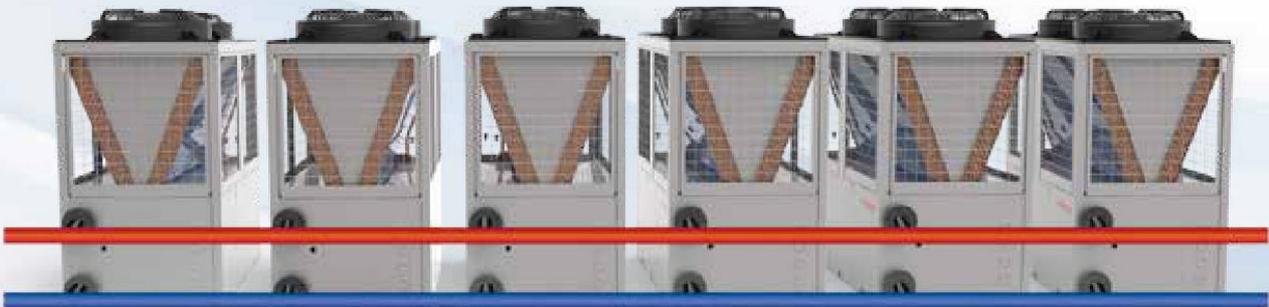


Blue storm EcoMaster Series Pool Heat Pumps are widely used in public places all over the world, such as hotels, schools, aqua parks, gyms, etc.

Centralized Control

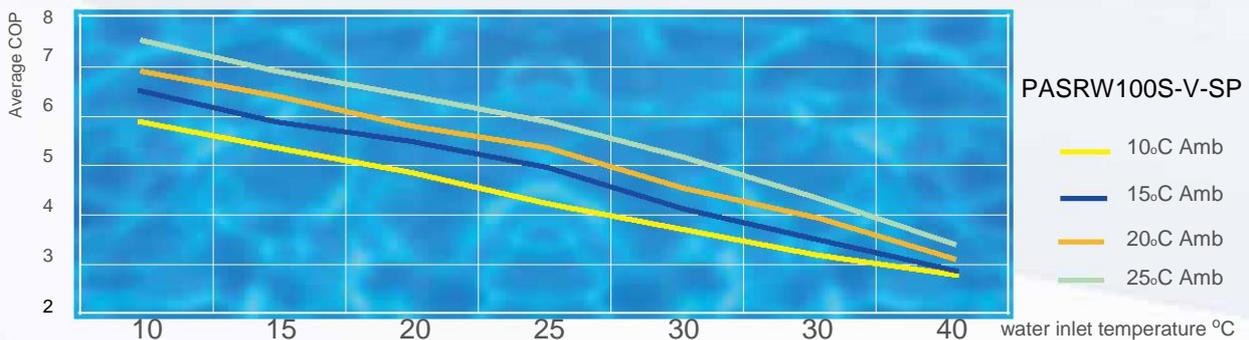
Blue storm EcoMaster Pool Heat Pump come equipped with centralized control that makes temperature adjustment and failure review much easier and more practical.

By incorporating the master-slave control into the design, the whole units can work together with higher efficiency without interfered by any failure of the slave unit during operation.



High Efficiency

With COP of 5.7 at working condition of 24°C/19°C(DB/WB), the EcoMaster Series has high efficiency for either pool cooling or heating.



Parameters (T1 50HZ)

| Blue storm Heat Pump | | PASRW060S-V | PASRW080S-V | PASRW100S-V | PASRW130S-V | PASRW200S-V | PASRW250S-V | PASRW300S-V | PASRW500S-V |
|---------------------------|-------------------|--|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| Advised Pool Volume | m ³ | 40-90 | 70-130 | 80-170 | 100-200 | 150-300 | 210-400 | 260-500 | 360-700 |
| Operating Air Temperature | °C | -15-50 | | | | | | | |
| | | Performance Condition Air 24°C/Water 26°C/Humid. 62.8% | | | | | | | |
| Heating Capacity | kW | 26 | 38 | 47 | 57 | 95 | 120 | 145 | 190 |
| Consumed Power | kW | 4.9 | 7.1 | 9.3 | 12.8 | 17.3 | 21.0 | 25.5 | 32.8 |
| COP | / | 5.3 | 5.4 | 5.1 | 4.5 | 5.5 | 5.7 | 5.7 | 5.8 |
| | | Performance Condition (Air 15°C/Water 26°C/Humid. 70.9%) | | | | | | | |
| Heating Capacity | kW | 21.1 | 33.6 | 41.8 | 46.7 | 72.5 | 103.0 | 120.0 | 160.0 |
| Consumed Power | kW | 4.7 | 6.5 | 8.9 | 11.3 | 16.0 | 20.5 | 23.5 | 30.8 |
| COP | / | 4.5 | 5.2 | 4.7 | 4.1 | 4.5 | 5.0 | 5.1 | 5.2 |
| | | Performance Condition (Air 7°C/Water 26°C/Humid. 86.9%) | | | | | | | |
| Heating Capacity | kW | 18.2 | 28.4 | 33.0 | 39.8 | 56.0 | 78.0 | 100.0 | 125.0 |
| Consumed Power | kW | 5.0 | 6.0 | 8.2 | 10.6 | 13.7 | 18.0 | 21.5 | 29.4 |
| COP | / | 3.6 | 4.8 | 4.1 | 3.8 | 4.1 | 4.3 | 4.7 | 4.2 |
| | | Performance Condition (Air 35°C/Water 30°C/Humid. 59.2%) | | | | | | | |
| Cooling Capacity | kW | 10.9 | 18.3 | 24.0 | 29.7 | 37.2 | 51.8 | 59.5 | 95.7 |
| Consumed Power | kW | 5.2 | 7.8 | 8.8 | 11.8 | 17.7 | 20.2 | 27.4 | 37.8 |
| EER | / | 2.0 | 2.3 | 2.7 | 2.5 | 2.1 | 2.5 | 2.1 | 2.5 |
| Power Supply | | 380V-415V/3N/50HZ R410A | | | | | | | |
| Fan Quantity | | 1 | 2 | 2 | 2 | 3 | 2 | 2 | 2 |
| Fan Power Input | W | 390x1 | 200x2 | 390x2 | 390x2 | 200x3 | 615x2 | 615x2 | 2000x2 |
| Fan Speed | RPM | 900 | 850 | 830 | 830 | 750 | 750 | 700 | 920 |
| Sound Pressure 1m | dB(A) | 58 | 61 | 61 | 61 | 61 | 69 | 71 | 67 |
| Water Connection | mm | 50 | 60.3 | 63 | 63 | 110 | 110 | 110 | 110 |
| Water Flow Volume | m ³ /h | 9.5 | 12.0 | 15.0 | 19.5 | 29.0 | 35.0 | 62.0 | 60.0 |
| Water Pressure Drop | (max) kPa | 12 | 12 | 12 | 15 | 16 | 16 | 16 | 21 |
| Net Dimensions | (L/W/H)(mm) | 985x735x1130 | 1464x735x1130 | 1464x735x1130 | 1464x735x1130 | 2180x1072x1900 | 2175x1070x2030 | 2175x1070x2030 | 2180x1070x2060 |
| Shipping Dimensions | (L/W/H)(mm) | 1110x790x1340 | 1520x800x1340 | 1485x790x1350 | 1520x800x1340 | 2270x1170x2040 | 2330x1220x2200 | 2330x1220x2200 | 2335x1220x2230 |



Blue Storm International, Calgary, Canada