



# ARK HEAT XE MODULE

**XE-075**

**XE-100**

**XE-150**

**115°F (46°C) CAPABLE  
180°F (82°C) WITH CASCADE LOOP**



**INNOVATIVE SOLUTIONS FOR  
A DECARBONIZED FUTURE**

## ARK HEAT XE Module

ARK HEAT XE's Module Unit is a highly versatile system that eliminates the use of fossil fuel in HVAC operations. This system combines the efficiency of VRF with the simplicity and scalability of an indoor hydronic system.

- Eliminates the need for Glycol
- Eliminates the need for refrigerant piping under the right conditions
- Allows simultaneous heating and cooling with 4 pipe
- The reliability of VRF eliminates the need for auxiliary or backup heat
- The XE can be combined with AKHP-A2 modular water-to-water heat pump or an AKBT-A2 to supply hot water up to 180 F



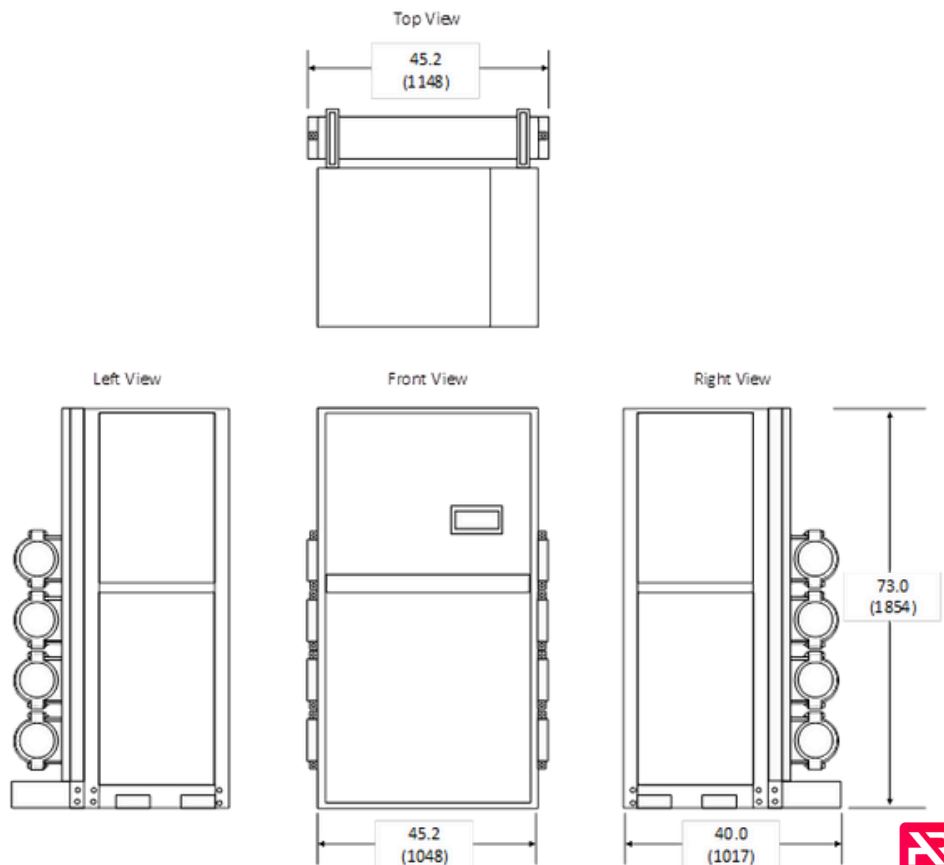
Supplying **115°F** hot water



Can be operated down to **-22°F**



Stack up to **12 modules** offering **480 tons** nominal capacity



ARKHEAT.COM

HEATING & COOLING  
SOLUTIONS





## Eliminates fossil fuel emissions

### User-Friendly

- ARK Heat XE Modules come paired with a **PLC Controller** and **Smart Touch Screen**. Creating easy access for on-board controls and data recording
- The ARK Heat XE Module **fits easily** into building service elevators, eliminating the requirement for cranes and heavy, extensive machinery
- Eliminates the requirement for **auxiliary/back-up** fossil fuel burning boilers

## TECHNOLOGY THAT PRIORITIZES USER-FRIENDLY INTEGRATIONS



Modular  
Reduced Refrigerant Charge  
Elimination of Glycol  
Reliable



Commercial  
Institutional  
Multi-Family  
New Construction  
Retrofit

| MODEL                             |           | AKXE-75 | AKXE-100           | AKHE-150 |       |
|-----------------------------------|-----------|---------|--------------------|----------|-------|
| <b>Physical Data</b>              |           |         |                    |          |       |
| <b>Dimensions (single module)</b> |           |         |                    |          |       |
| All models                        | L x W x H | in      | 40 x 45 3/16 x 73  |          |       |
|                                   |           | mm      | 1017 x 1148 x 1584 |          |       |
| <b>Weight</b>                     |           |         |                    |          |       |
| Dry Weight                        | 2 -Pipe   | lbs     | 1,337              | 1,437    | 1,512 |
|                                   |           | Kg      | 607                | 652      | 686   |
|                                   | 4 Pipe    | lbs     | 1,469              | 1,569    | 1,644 |
|                                   |           | Kg      | 666                | 712      | 746   |
| Operational Weight                | 2 -Pipe   | lbs     | 1,422              | 1,522    | 1,597 |
|                                   |           | Kg      | 645                | 690      | 724   |
|                                   | 4 Pipe    | lbs     | 1,638              | 1,738    | 1,813 |
|                                   |           | Kg      | 743                | 788      | 822   |
| Shipping Weight                   | 2 -Pipe   | lbs     | 1,437              | 1,537    | 1,612 |
|                                   |           | Kg      | 652                | 697      | 731   |
|                                   | 4 Pipe    | lbs     | 1,569              | 1,669    | 1,744 |
|                                   |           | Kg      | 712                | 757      | 791   |

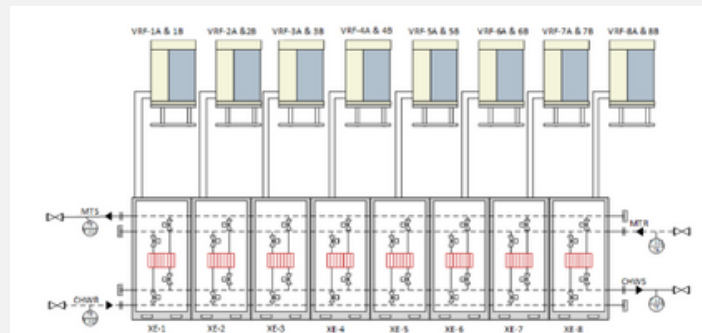


## Model Variations

The ARK Heat XE Modules are designed in two variations, 2 pipe and 4 pipe

(1) **ARK Heat XE - 2P** - This system is capable of either heating or cooling and can not be used simultaneously. This presents a less costly solution where simultaneous heating/cooling is not needed.

(2) **ARK Heat XE - 4P** - This system is capable of producing simultaneous heating and cooling. Mildly more costly, this solution presents more flexible heating/cooling solutions in projects where various temperatures and conditions are needed.



## COST BENEFITS AND ENERGY EFFICIENCY

The ARK Heat XE Module provides countless benefits when considering cost and efficiency parameters. The systems flexibility provides a versatile system. This, allows more **energy efficiency, less maintenance,** and more **cost savings** during budgeting, design, and selections



**Energy Efficiency** - The ARK Heat XE Module enables a system to replace the need of fossil fuels when providing heating/cooling, instead using more natural energy sources using the atmosphere as either heat source or heat sink if heating or cooling is required. Allowing more heating and cooling abilities without expanding central plants.



**Maintenance** - The ARK Heat XE Module removes the need for glycol additions/use because the water system is always inside. As well as removes the need for winterizing during maintenance. The XE also removes the need for refrigerant within occupied spaces.



**Cost Savings**- The ARK Heat XE Module can eliminate the need for cooling towers and chillers when designing a system. Saving substantial costs by eliminating components. Eliminating the need for fossil fuels limits on-going operating costs, as well as emissions into our shared atmosphere. The overall control the system provides season to season also provides the user more control on budgets.