

# HEAT PUMP

## POOL & SPA HEATERS

RUGGED STEEL  
CONSTRUCTION

BUILT-IN MINI  
AUTOMATION

RESPONSIVE  
FAST SERVICE

Get more from your pool at  
a fraction of the cost with  
Raypak Heat Pump pool  
heaters.



**Raypak**<sup>®</sup>  
A Rheem<sup>®</sup> Company



# SAVE MORE

## Advanced Technology to Save on Energy Bills

Heat Pumps are a great affordable option to heat and cool your pool.

Raypak takes heat pump technology further, to save you more. We've completely re-engineered key elements of the heat pump to maximize efficiency and drive down energy bills. No special hookups required making install easy and simple.



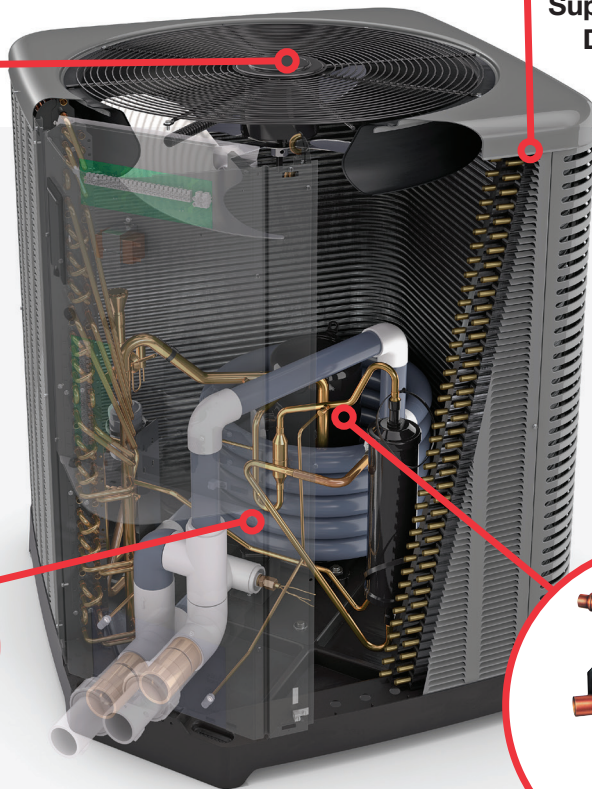
**Ultra-Quiet,  
Swept Wing Fan  
Most Models**



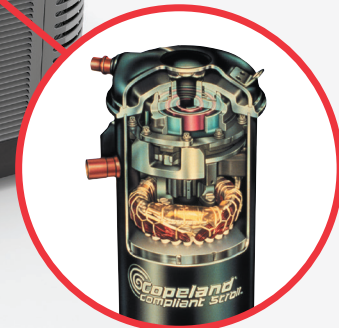
**Super Durable Heavy  
Duty Steel Case**



**Titanium tube heat exchanger  
prolongs the life of the heater.**



Classic Series Heat Pump  
Model 6450 shown



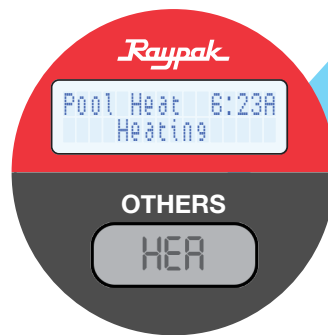
**Long-Lasting  
Copeland Compressor**

# RELAX MORE

## Easy to Use Digital Controls and Mini Automation

Our Heat Pumps are equipped with easy to use digital controls.

Automation features you want are built right into your heat pump. Mini Automation allows you to control your 3-way valves, set timing or adjust energy consumption priorities.



### Get More Heat

Our heat exchanger has been designed to produce more heat. That means you'll stop wasting time waiting for the pool to get warm and save more on your energy bills.

### Smart Energy Use

Every Raypak Heat Pump can detect when it needs to take over for your solar energy system or turn on a gas system for extra heat. It automatically optimizes your cost savings.



### Lots of Options for Every Pool

For every pool owner, anywhere you're located, Raypak has the model that will help you get the most from your pool, with Heat and Cool or Power Defrost options<sup>1</sup>. Double your fun, during those really hot summer days with Heat and Cool mode. Raypak Heat Pumps can cool your pool to an enjoyable temperature. Protect your heater while heating your pool on colder days with Power Defrost mode. Low ambient temperatures and icy buildup won't prevent your Raypak Heat Pump from heating your pool and spa.

## World Class Service

Only Raypak offers same-day service to most of Florida and next-day service to most other areas.

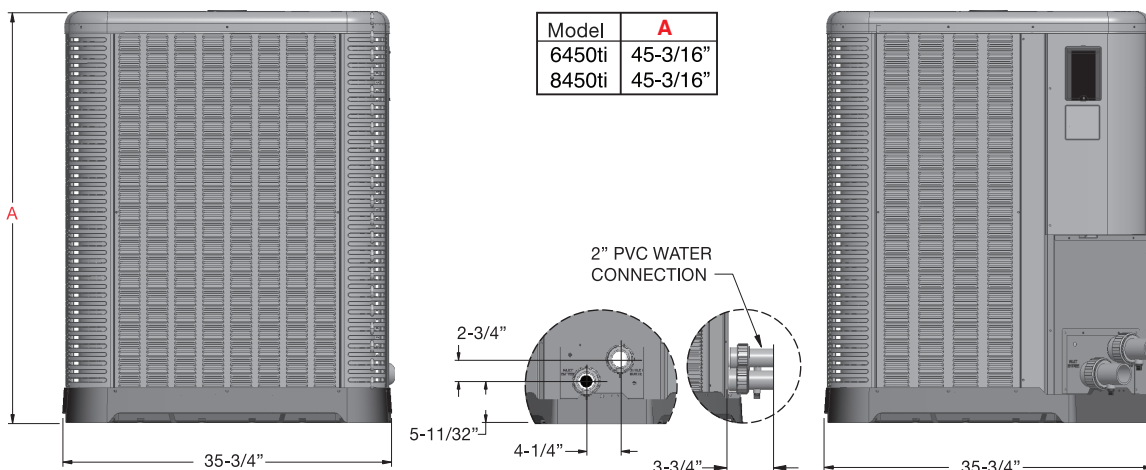
Thanks to our 2-year labor warranty<sup>2</sup>, 7-year parts warranty and our unbelievable 10-year titanium tube warranty, you're covered. Relax more knowing that Raypak stands behind every product.



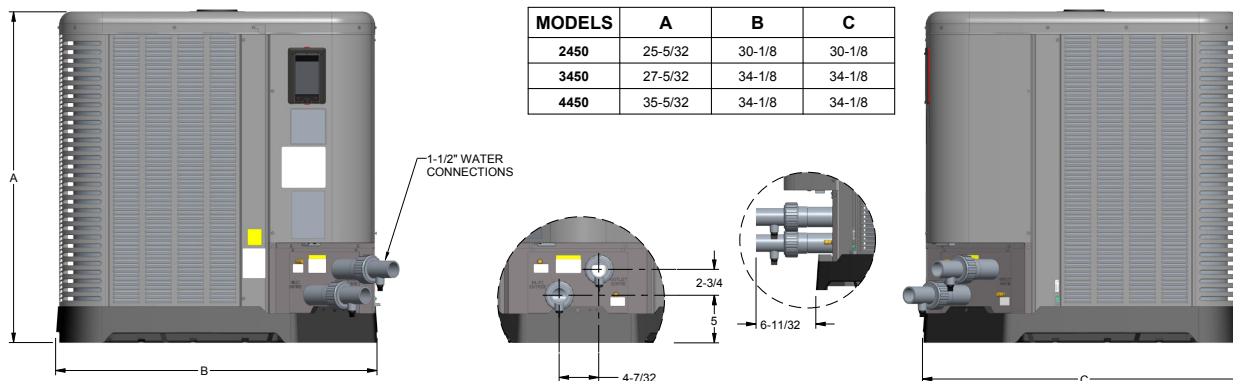
<sup>1</sup>Heat/Cool and Power Defrost mode only available on select models, see back for details.  
<sup>2</sup>See warranty for complete details.

Learn more at [raypak.com](http://raypak.com)

# Heat Pump Pool and Spa Heater Models 2450ti - 8450ti



|        |          |
|--------|----------|
| Model  | <b>A</b> |
| 6450ti | 45-3/16" |
| 8450ti | 45-3/16" |



| MODELS      | A       | B      | C      |
|-------------|---------|--------|--------|
| <b>2450</b> | 25-5/32 | 30-1/8 | 30-1/8 |
| <b>3450</b> | 27-5/32 | 34-1/8 | 34-1/8 |
| <b>4450</b> | 35-5/32 | 34-1/8 | 34-1/8 |

| Model      | BTUH / C.O.P.<br>(80,80,80*) | BTUH / C.O.P.<br>(80,63,80*) | BTUH / C.O.P.<br>(50,63,80*) | Electrical<br>Input<br>(kW) | Water<br>Flow<br>gpm (LPM) | Minimum<br>Circuit<br>(Amps) | Maximum<br>Breaker<br>Size<br>(Amps) | Ship<br>Weight<br>lbs. (Kgs) |
|------------|------------------------------|------------------------------|------------------------------|-----------------------------|----------------------------|------------------------------|--------------------------------------|------------------------------|
| R2450ti    | 48,000 / 5.7                 | 46,000 / 5.5                 | 31,000 / 3.7                 | 2.3                         | 20-40<br>(76-151.4)        | 22                           | 35                                   | 211<br>(96)                  |
| R3450ti    | 62,000 / 5.7                 | 60,000 / 5.5                 | 43,000 / 4.0                 | 3.2                         | 20-40<br>(76-151.4)        | 29                           | 50                                   | 268<br>(122)                 |
| R4450ti    | 80,000 / 6.0                 | 77,000 / 5.8                 | 55,000 / 4.0                 | 3.9                         | 20-40<br>(76-151.4)        | 32                           | 50                                   | 300<br>(136)                 |
| R5450ti    | 103,000 / 6.0                | 97,000 / 5.7                 | 65,000 / 4.0                 | 5                           | 30-60<br>(113.6-227)       | 30                           | 60                                   | 264<br>(120)                 |
| R6450ti    | 119,000 / 5.9                | 113,000 / 5.7                | 72,000 / 4.0                 | 5.9                         | 30-60<br>(113.6-227)       | 34                           | 60                                   | 341<br>(155)                 |
| R8450ti    | 140,000 / 5.6                | 130,000 / 5.3                | 84,000 / 4.0                 | 7.3                         | 30-60<br>(113.6-227)       | 42                           | 60                                   | 423<br>(192)                 |
| R6450ti-PD | 119,000 / 5.9                | 113,000 / 5.7                | 72,000 / 4.0                 | 5.9                         | 30-60<br>(113.6-227)       | 34                           | 60                                   | 351<br>(159)                 |
| R6450ti-HC | 115,000 / 5.9                | 109,000 / 5.7                | 72,000 / 4.0                 | 5.7                         | 30-60<br>(113.6-227)       | 34                           | 60                                   | 354<br>(161)                 |
| R8450ti-HC | 137,000 / 5.3                | 129,000 / 5.2                | 86,000 / 4.0                 | 7.6                         | 30-60<br>(113.6-227)       | 42                           | 60                                   | 413<br>(187)                 |

All models 208-230VAC, 1-Ph, 60 Hz. All models use R-410A refrigerant. PD = power defrost model. HC = heat/cool model.  
\*Tested to AHRI 1160.

www.raypak.com

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