

Commercial Heat Pump Water Heating Systems



DESIGNED ★ ENGINEERED ★ ASSEMBLED

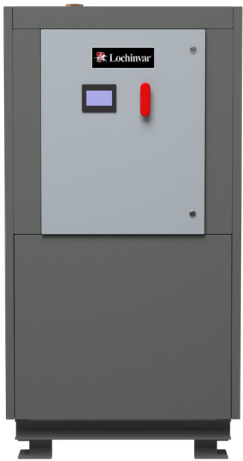
USA



Lochinvar®

For more information visit Lochinvar.com

Modular Source Heat Pump



- Up to 160°F max water temperature
- Heating capacity from 270,000 BTUH to > 1,300,000 BTUH
- 323 to 1,615 gallons per hour recovery rates
- Absorbs heat from water sources including return chiller water, process and ground water.
- Environmentally friendly R134a refrigerant
- Double wall condenser for potable water heating
- BACnet compatible logic controller optional

The Lochinvar MHP Heat Pump Series is a zero emissions, high-efficiency modular water-to-water heat pump water heater. With five models ranging in heating capacity from 270,000 BTUH to over 1,300,000 BTUH generating from 323 to 1,615 gallons of hot water per hour, the Lochinvar MHP Heat Pump offers large scale, environmentally friendly water heating solutions for even the largest projects.

Model Number	Heating Capacity * (BTUH)	Amps RLA			Length	Width	Height
		230V	480V	575V			
MHP0270	277,100	83.4	44.3	28.2	34-7/8"	36-1/4"	67-1/4"
MHP0540	554,200	166.7	88.5	56.4	73-3/4"	36-1/4"	75-3/4"
MHP0810	831,300	250	132.7	84.6	108-1/8"	36-1/4"	75-3/4"
MHP1080	1,108,400	333.4	177	112.8	143"	36-1/4"	75-3/4"
MHP1350	1,385,500	N/A	221.2	141	178-7/8"	36-1/4"	75-3/4"

* 75°F source water

Water Source Heat Pump



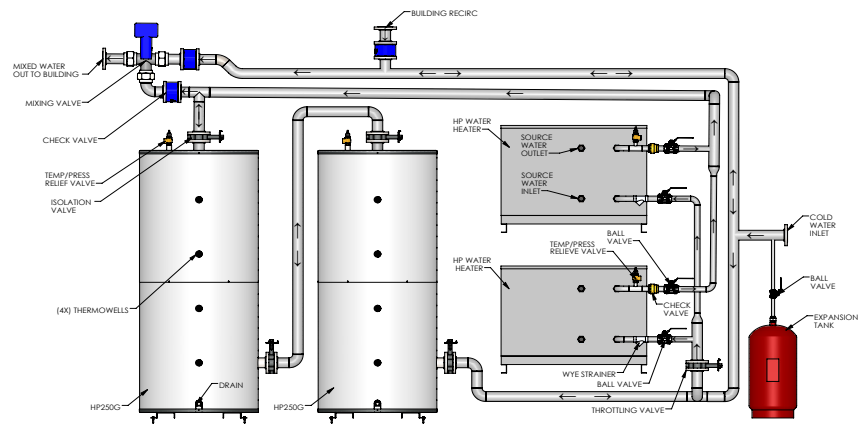
- Up to 160°F max water temperature
- Heating capacity from 146,000 BTUH to 222,000 BTUH
- 174 to 270 gallons per hour recovery rates
- Absorbs heat from water sources including process and ground water.
- Environmentally friendly R134a refrigerant
- Double wall condenser for potable water heating
- Integrated potable water approved pump
- BACnet compatible logic controller optional

The Lochinvar WHP Heat Pump Series is a zero emissions, high-efficiency water-to-water heat pump water heater that can be configured to meet design specifications. With two models ranging in capacity from 146,000 BTUH to 222,000 BTUH, generating from 174 to 270 gallons of hot water per hour, the Lochinvar WHP Heat Pump provides an environmentally friendly solution to your hot water needs.

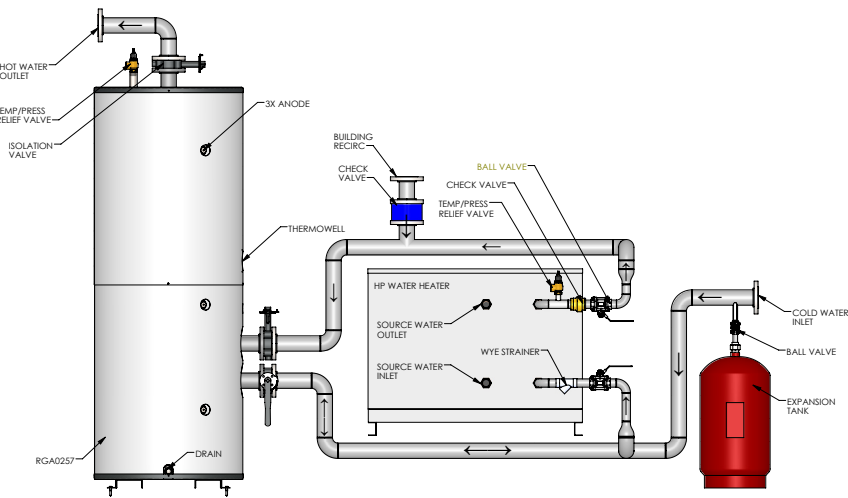
Model Numb	Heating Capacity * (BTUH)	Amps RLA			Length	Width	Height
		230V	480V	575V			
WHP125	146,792	48.1	22.4	16.5	49"	31-1/4"	38-1/4"
WHP185	222,950	73.1	30.1	24.4	49"	31-1/4"	38-1/4"

* 75°F source water

Single-Pass



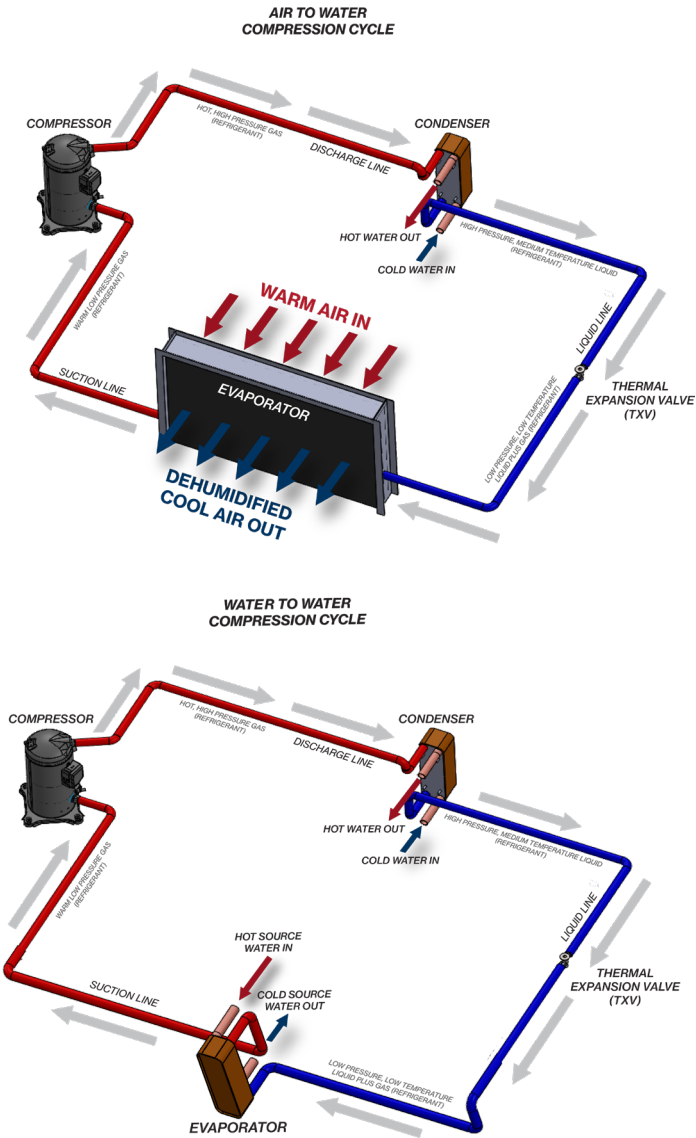
Multi-Pass



Consult factory for option compatibility.

For complete product details please visit Lochinvar.com

How it works



It cost less to move heat than to create heat. Lochinvar commercial water source heat pumps are designed to be an energy efficient, zero emissions solution for your water heating needs.

The image above illustrates a basic refrigeration cycle that is used in our heat pump water heaters. Based on the unit selected, the system in your heat pump may be more elaborate, but the basic principles apply.