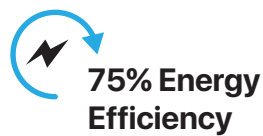


*Affordable,  
efficient &  
timeless*



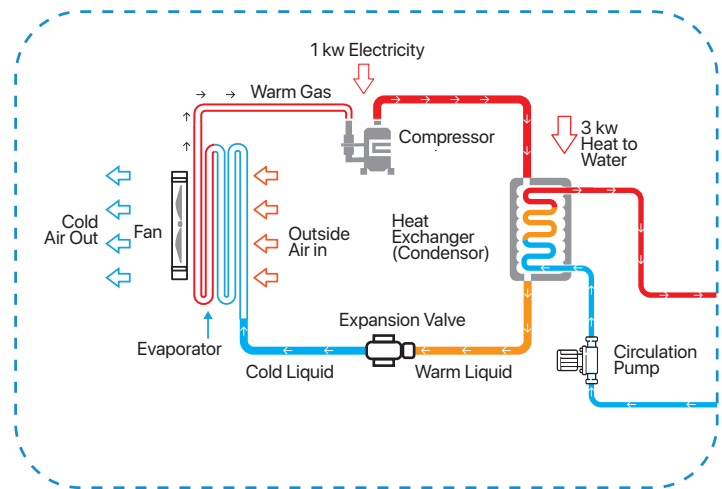
**Heat Pump  
Water Heater**



# Heat Pump Water Heaters

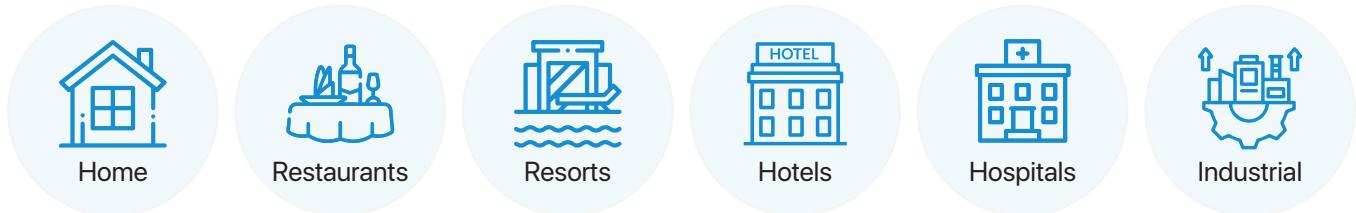
Heat pump water heaters operate by transferring heat from the surrounding air to the water, diverging from traditional water heaters that rely on consuming electrical or fuel energy to generate heat.

In this process, a liquid refrigerant undergoes evaporation to become a gas within the evaporator, facilitated by a fan. Subsequently, it undergoes compression within the compressor, transforming into a hot gas. The hot gas then traverses through a heat exchanger, where its thermal energy is transferred to the water flowing from a storage tank. After transferring its heat, the refrigerant cools down, returning to its liquid state, and re-enters the evaporator to repeat the cycle anew. Consequently, heat extracted from the air is efficiently transferred to the water, sustaining the heating process until the desired temperature is achieved.

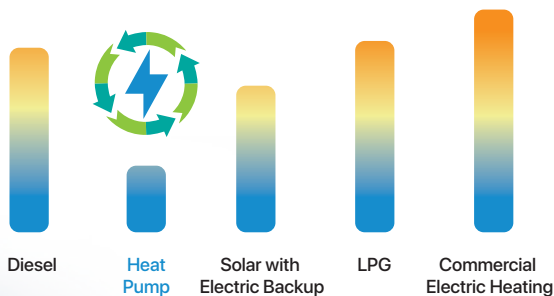


Working Principle

## Applications



## Comparison of various Heating Systems



## Major Components

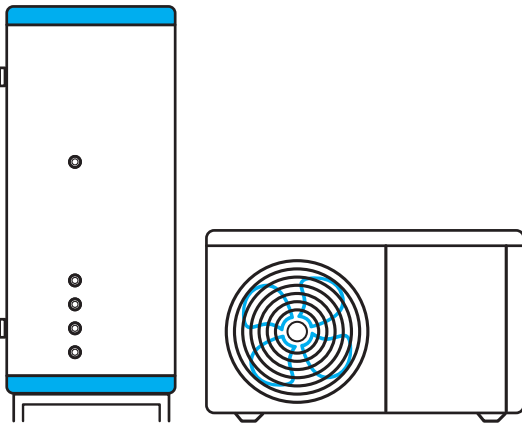


**Domestic Series**

# HeatPro Heat Pump Domestic

A domestic heat pump system provides continuous hot water throughout the day 24x7 while significantly reducing heating costs by as much as 75-80%. Heat pump strategically installed within the household can provide hot water efficiently supplied to all bathrooms and kitchens simultaneously.

**Hykon**  
**HEAT PRO**  
Heat Pump



**WARRANTY**  
Heat Pump: 2 YEARS  
Tank: 5 YEARS

DESCRIPTION	SPECIFICATION		
MODEL	HEATPRO 100	HEATPRO 150	HEATPRO 220
Water output	100 L/h	150L/h	220L/h
Rated Input power	1 kW,	1.5 kW,	2.2 kW,
Out Put Heating Capacity	4 kW,	6 kW,	8.2 kW,
Power Supply	220 V/ 1 PH/ 50Hz		
Compressor	Rotary type , Make - Highly/ GMCC		
Heat Exchanger Type	Shell and coil		
Evaporator Coil	Blue fins evaporator coil (L Type)		2 Row Copper Coil with Aluminum fins
Fan type	Suction Fan, 300 s		Axial suction fan, 300s ,Make - Trumaxx / Super Flow Low noise high efficiency
Fan direction	Vertical		
Temperature controller	Subzero make		
Refrigerant	R 417a / R407c		
Set water temperature	55°c		
Max water Temperature	60°c		
High Pressure/Low pressure Protection switch	Danfoss make		
Circulation pump (Inbuilt )	Wilo - RS-15/6, 230v / Hykon - 0.50hp 230v		
Water pipe size	3/4 Inch		
Net Weight (Kg)	52 Kg	55Kg	105 Kg
Unit Dimension (LXBXH) mm	860x550x610		860x630x720

**Commercial Series**



**Hykon**  
**HEAT PRO**  
Heat Pump

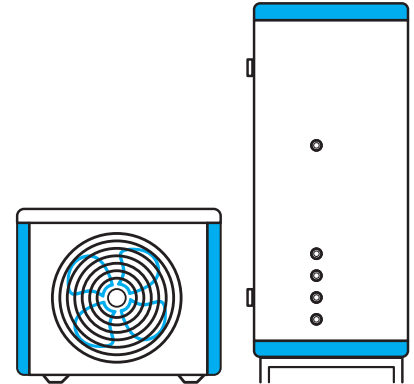
# HeatPro Heat Pump Commercial

Commercial heat pump systems utilize ambient air to heat water, offering substantial energy savings ranging from 60-80% compared to conventional water heating systems like diesel-fired boilers or electric water heaters. These systems are particularly well-suited for high-demand commercial environments such as hotels, hospitals, spas, and hostels, where the usage of hot water is consistently high.

**WARRANTY**

Heat Pump: 2 YEARS

Tank: 5 YEARS



DESCRIPTION	SPECIFICATION		
MODEL	HEATPRO 280	HEATPRO 350	HEATPRO 550
Water output	280L/h	350L/h	550L/h
Rated Input power	2.8 kW,	3.5 kW,	5.5 kW,
Out Put Heating Capacity	11.5 kW,	15 kW,	22 kW,
Power Supply	415v/3 PH/50Hz		
Compressor	Scroll Compresso, Make - Copeland / Panasonic		Scroll Compressor , Make - Copeland
Heat Exchanger Type	Co-Axial Tube in Tube high efficiency		
Thermostatic Expansion valve	Danfoss make	Emerson make	
Evaporator Coil	2 Row Copper Coil with Aluminum fins	3 Row Copper Coil with Aluminum fins	4 Row Copper Coil with Aluminum fins
Fan type	Axial suction fan, 350s ,Make - Trumaxx / Super Flow Low noise high efficiency	Axial suction fan, 400s ,Make - Trumaxx / Super Flow Low noise high efficiency	Axial suction fan, 500s ,Make - Trumaxx / Super Flow Low noise high efficiency
Fan direction	Vertical		
Temperature controller	Subzero make		
Refrigerant	R 417a / R407c		
Set water temperature	55°C		
Max water Temperature	60°C		
High Pressure/ Low pressure Protection switch	Danfoss make		
Circulation pump	Wilo - RS-15/6, 230v / Hykon - 0.50hp 230v		
Water pipe size	1 Inch		
Net Weight (Kg)	120 Kg	135 Kg	145 Kg
Unit Dimension (LXBXH) mm	860x630x720	1020x630x720	1020x670x780



National Award  
Winner



9001:2015



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