

# Air Source Heat Pump Water Heaters



## Standard Features

- 140°F - 160°F hot water temperatures to prevent and eradicate Legionella
- Single or multi-pass capability for easy integration into new or existing systems
- Vented double wall, stainless steel, heat exchanger ensuring safe, potable water
- Integrated stainless steel circulator pump
- Industrial electro-mechanical controls

	HPWH Model (60 Hz)	Heating Capacity (MBH)	Cooling Capacity (MBH)	Heating COP	Cooling COP	Combined COP	Hot Water Flow Rate (GPM)	Airflow (CFM)
Propeller Fan	HPA7	110	88	4.5	3.6	8.1	3.1	4000
	HPA9	131	104	4.5	3.6	8.1	3.7	4000
	HPA11	170	137	4.7	3.8	8.5	4.9	4000
	HPA12	209	169	4.9	4.0	8.9	6.0	4000
	HPA15	267	210	4.4	3.5	7.9	7.6	6000
Centrifugal Fan	HPA4	66	53	4.9	4.0	8.9	1.9	1200
	HPA7	110	88	3.7	3.0	6.7	3.1	4000
	HPA9	131	104	3.8	3.1	6.9	3.7	4000
	HPA11	170	137	4.2	3.3	7.5	4.9	4000
	HPA12	209	169	4.4	3.6	8.0	6.0	4000
	HPA15	267	210	3.9	3.1	7.0	7.6	6000

Based on 75°F entering air wet bulb temperature, 70°F entering potable water temperature and 140°F leaving potable water temperature.



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# Air Source Heat Pump Water Heaters



## Applications

- Hotels
- Apartments
- Offices
- Dormitories
- Laundries
- Hospitals
- Schools
- Industrial Process
- Pools
- Hydronic Heating

## Optional Features

- High Temperature Circuit to produce up to 185°F water
- Compressor VFD for additional operational cost savings
- PLC control with BMS communication
- Electronic Expansion Valve (EEV) for improved performance over varying conditions
- Galvanized, aluminum, or stainless steel enclosure
- Copper, Polycoat, or Electroplate evaporator construction
- Coaxial condensers for poor water quality or pool heating applications
- Defrost and freeze protection
- Protective screen and rain hood for outdoor applications



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