

COLMAC INDUSTRIES

Energy Efficient Water Heating

COLMAC ADVANCED TECHNOLOGY

Fully Certified Heat Pump Water Heaters

Sanitary Hot Water for Commercial and Industrial Use

*Hotels Resorts Condominiums Hospitals Schools Military Barracks
Fitness Centers Food Processing Correctional Facilities*



Available for both Air and Water Source

Reduced Carbon Footprint
Puts "Health and Safety" First
Environmentally Friendly
Long Product Life
Highest Energy Savings
Zero Emissions



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ENERGY EFFICIENT WATER HEATING

Colmac heat pumps offer commercial and industrial users of sanitary hot water, an energy efficient means of heating water to temperatures as high as 176°F (80°C). The Colmac heat pump water heater uses the same operating principle as an air-conditioner or domestic refrigerator. The heat pump gathers heat from the surrounding air or water, and through the refrigeration cycle, deposits the heat into water at a useable temperature. This principle of moving heat with a heat pump, rather than generating it by burning fossil fuel (i.e. natural gas), or electric resistance, makes water heating with heat pumps the best choice for conserving energy.

Air Source Heat Pumps Product Line Performance Comparison 60Hz:

Model	Heating Capacity (BTUH)	Cooling Capacity (BTUH)	Heating COP	Cooling COP
HPA4	66,141	52,573	4.87	3.87
HPA7 (Axial)	110,681	86,049	4.49	3.49
HPA7 (Centrifugal)	110,681	80,959	3.72	2.72
HPA9 (Axial)	130,056	100,943	4.47	3.47
HPA9 (Centrifugal)	130,056	95,853	3.8	2.8
HPA11 (Axial)	169,439	133,333	4.69	3.69
HPA11 (Centrifugal)	169,439	128,243	4.11	3.11
HPA12 (Axial)	207,107	164,806	4.9	3.9
HPA12 (Centrifugal)	207,107	159,716	4.37	3.37
HPA30 (Axial)	468,030	347,353	3.88	2.88
HPA30 (Centrifugal)	468,030	339,718	3.65	2.65

Water Source Heat Pumps Product Line Performance Comparison 60Hz:

Model	Heating Capacity (BTUH)	Cooling Capacity (BTUH)	Heating COP	Cooling COP
HPW4	71,326	58,954	5.76	4.76
HPW7	115,466	93,278	5.2	4.2
HPW9	132,348	105,734	4.97	3.97
HPW11	176,816	142,966	5.22	4.22
HPW12	212,660	172,785	5.33	4.33
HPW8M	147,254	124,290	6.83	5.90
HPW12M	220,514	186,742	7.03	6.12
HPW24M	432,977	359,606	6.15	5.2
HPW30	515,971	395,690	4.29	3.29
HPW36M	652,978	545,848	6.38	5.44
HPW60M	1,075,495	851,435	5.11	4.19
HPW90M	1,640,820	1,311,662	5.35	4.44
HPW120M	2,197,850	1,764,518	5.45	4.55