Copeland Heat Pumps

Comprehensive hot water solutions for commercial, residential and swimming pool applications









Copeland offers a wide range of reciprocating and ZW scroll compressors engineered to deliver a reliable water heating solution



Environmentally friendly design; zero Ozone Depletion Potential (ODP) refrigerant options available



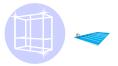
60°C hot water available 24/7; independent of weather conditions



Significant energy savings, up to 70% compared to traditional heating systems



Reliable hydrophilic evaporator design for coastal or salty conditions



Corrosion-proof galvanized, powder-coated steel chassis with polyester coating



Automatic defrost module for low ambient operation



Adjustable water temperature and accurate temperature control



Designed & manufactured In india; customized for your requirement



Titanium tube in PVC shell condenser designed specifically to handle chlorinated water in a swimming pool heat pump



Anti-corrosion special coating on the copper tubing



Reliable and easy to maintain; designed for safe operation



100% factory tested, inspected at Copeland's own labs and testing facilities

Mode	el name		EHP-R010X-PBA-XXX	EHP-R015X-PGB-XXX	EHP-R020X-PGB-XXX	
Nomina	al capacity	НР	1	1.5	2	
Hot wate	er capacity	LPH	100 150		200	
	Power Supply		230V/50Hz/1Ph	230V/50Hz/1Ph	230V/50Hz/1Ph	
	Ambient range	°C	10 to 43	0 to 43	0 to 43	
	Max.water Tempreture	°C	55	55	55	
l look as was	Capacity	kW	3.5	5.2	7.0	
Heat pump	Input power	kW	1.3	1.70	2.20	
	СОР		2.7	3.1	3.2	
	Current	Α	7.9	9	13	
	Refrigerant gas		R407C	R134a	R134a	
Compressor	Туре	-	Reciprocating	Reciprocating	Reciprocating	
Compressor	Current	Α	6.8	7.5	8.5	
Fon motor	Quantity	pcs	1	1	1	
Fan motor	Supply	Α	0.7	0.7	0.7	
Maternum	Head Feet		8	10	10	
Water pump	Rating current	Α	0.36	0.36	0.36	
Heat exchanger	Type/model	-	Tube in tube	Tube in tube	Tube in tube	
Motor wining	Inlet pipe size	inch	25/ 1" BSP	25/ 1" BSP	25/ 1" BSP	
Water piping	Outlet pipe size	inch	25 /1" BSP	25 / 1" BSP	25 /1 " BSP	
Dimonstru	Dimension (D x W x H)	mm	355 x 905 x 625	355 x 905 x 625	355 x 905 x 625	
Dimension	Approx.Weight	kg	72	84	86	

Rating condition-rise in water temprature by 30° C, when ambeint of 25 °C & 65%RH, when initial temp, is 20° C and the condition of 25 °C are conditionally as a condition of 25 °C and 25 °C are conditionally as a condition of 25 °C and 25 °C are conditionally as a conditional condition of 25 °C are conditionally as a conditional conditiona

ı	Model name		EHP-Z030X-TME	EHP-Z050X-TMB	EHP-Z075X-TMB	EHP-Z100X-TMB	EHP-Z140X-TMB	EHP-Z200X-TMB**
No	Nominal capacity		ЗНР	5HP	7.5HP	10HP	15HP	20HP
Hot	Hot water capacity		300	500	750	1000	1400	2000
Heat Pump	Power supply		380V/50Hz/3Ph	380V/50Hz/3Ph	380V/50Hz/3Ph	380V/50Hz/3Ph	380V/50Hz/3Ph	380V/50Hz/3Ph
	Operating Ambient range	°C	0 to 43	0 to 43	0 to 43	0 to 43	0 to 43	0 to 43
	Max.water tempreture	°C	60	60	60	60	60	60
	Capacity	kW	11	18.4	26	36	52	72
	Input power	kW	3.26	5.0	7.5	10.1	15.0	20.1
	COP		3.4	3.7	3.5	3.6	3.5	3.6
	Current	А	5.6	9.8	20.3	21.4	41.2	43.9
	Refrigerant gas		R407C	R407C	R407C	R407C	R407C	R407C
Compressor	Туре	-	ZW Scroll	ZW Scroll	ZW Scroll	ZW Scroll	ZW Scroll	ZW Scroll
notor	Quantity	pcs	1	1	2	2	2	2
Fan motor	Power supply		230V/50Hz/1Ph	230V/50Hz/1Ph	230V/50Hz/1Ph	230V/50Hz/1Ph	230V/50Hz/1Ph	230V/50Hz/1Ph
Heat exchanger	Type/model	-	Tube & tube	Shell & tube	Shell & tube	Shell & tube	Shell & tube	Shell & tube
Water piping	Inlet pipe size	inch	1" BSP	1" BSP	1" BSP	1" BSP	1- 3/8" BSP	1 1/4" BSP
	Outlet pipe size	inch	1" BSP	1" BSP	1" BSP	1"BSP	1- 3/8" BSP	1 1/4" BSP
	Minimum water flow	LPH	1440	2800	4800	5000	10000	12500
Dimension	Dimension (D x W x H)	mm	505 x 1145 x 810	710 x 1235 x 1060	710 x 1270 x 1380	710 x 1270 x 1380	1092 x 1653 x 2201	1092 x 1879 x 2201
Dime	Approx.Weight	kg	230	290	365	370	668	835

 $Rating\ condition-water\ temperature\ rise\ by\ 30^{\circ}C\ at\ ambient\ of\ 25^{\circ}C\ with\ rh\ of\ 65\%,\ when\ initial\ temperature\ is\ 20^{\circ}C\ with\ rh\ of\ 65\%,\ when\ initial\ temperature\ is\ 20^{\circ}C\ with\ rh\ of\ 65\%,\ when\ initial\ temperature\ is\ 20^{\circ}C\ with\ rh\ of\ 65\%,\ when\ initial\ temperature\ is\ 20^{\circ}C\ with\ rh\ of\ 65\%,\ when\ initial\ temperature\ is\ 20^{\circ}C\ with\ rh\ of\ 65\%,\ when\ initial\ temperature\ is\ 20^{\circ}C\ with\ rh\ of\ 65\%,\ when\ initial\ temperature\ is\ 20^{\circ}C\ with\ rh\ of\ 65\%,\ when\ initial\ temperature\ is\ 20^{\circ}C\ with\ rh\ of\ 65\%,\ when\ initial\ temperature\ is\ 20^{\circ}C\ with\ rh\ of\ 65\%,\ when\ initial\ temperature\ is\ 20^{\circ}C\ with\ rh\ of\ 65\%,\ when\ initial\ temperature\ is\ 20^{\circ}C\ with\ rh\ of\ 65\%,\ when\ initial\ temperature\ is\ 20^{\circ}C\ with\ rh\ of\ 65\%,\ when\ initial\ temperature\ is\ 20^{\circ}C\ with\ rh\ of\ 65\%,\ when\ initial\ temperature\ is\ 20^{\circ}C\ with\ rh\ of\ 65\%,\ when\ initial\ temperature\ is\ 20^{\circ}C\ with\ rh\ of\ 65\%,\ when\ initial\ temperature\ is\ 20^{\circ}C\ with\ rh\ of\ 65\%,\ when\ initial\ temperature\ is\ 20^{\circ}C\ with\ rh\ of\ 65\%,\ when\ initial\ temperature\ is\ 20^{\circ}C\ with\ rh\ of\ 65\%,\ when\ initial\ temperature\ is\ 20^{\circ}C\ with\ rh\ of\ 65\%,\ when\ rh\ of\ 65\%,\ wh$

Models with in-built water pump require a power supply of 230V/1ph.

 $^{^{\}hbox{\tiny ++}}\mbox{Water}$ temprature rise by 30°C at ambient of 27°Cwith RH of 65%

Model name			EHP-Z004K-TMP	EHP-Z008K-TMP	EHP-Z010K-TMP	EHP-Z017K-TMP	EHP-Z022K-TMP	EHP-Z034K-TMP
Pool Size			30 m³	60 m³	80 m³	100 m ³	125 m³	200 m ³
Nominal capacity		НР	3 HP	5 HP	7.5 HP	10 HP	15 HP	20 HP
Power supply		-	380V/50Hz/3Ph	380V/50Hz/3Ph	380V/50Hz/3Ph	380V/50Hz/3Ph	380V/50Hz/3Ph	380V/50Hz/3Ph
Operating ambiant range		°C	0 to 35	0 to 35	0 to 35	0 to 35	0 to 35	0 to 35
Max. Water temparature		°C	35	35	35	35	35	35
ating	Capacity	kW	13	21	32	43	53	86
Water heating	Сор	-	5.5	5.4	5.4	5.6	4.4	5.5
Total input power		kW	2.3	4.0	5.9	7.7	12.1	15.6
	Max. Input current	А	5	7.6	14	16.5	29.1	34.5
	Refrigerant gas	-	R407C	R407C	R407C	R407C	R407C	R407C
Compressor	Туре	-	ZW Scroll	ZW Scroll	ZW Scroll	ZW Scroll	ZW Scroll	ZW Scroll
lotor	Quantity	pcs	1	1	2	2	2	2
Fan motor	Power supply	-	230V/50Hz/1Ph	230V/50Hz/1Ph	230V/50Hz/1Ph	230V/50Hz/1Ph	230V/50Hz/1Ph	230V/50Hz/1Ph
Heat exchanger	Type/model	-	Titanium tube	Titanium tube	Titanium tube	Titanium tube	Titanium tube	Titanium tube
	Inlet pipe size	Inch	1 1/2" BSP	1 1/2" BSP	2" BSP	2" BSP	2" BSP	2" BSP
Water piping	Outlet pipe size	Inch	1 1/2" BSP	1 1/2" BSP	2" BSP	2" BSP	2" BSP	2" BSP
	Min. Water flow	LPH	3800	7300	9500	16500	20900	32300
	Max. Water flow	LPH	4600	9200	10500	18000	23100	35700
Dimension	Dimension (dxwxh)	mm	505 x 1150 x 870	710 x 1220 x 864	710 x 1250 x 1380	710 x 1250 x 1380	1092 x 1653 x 2201	1092 x 1880 x 2087
Dime	Approx.Weight	kg	120	190	260	270	560	835

Rating condition - at ambient of 25°C & inlet water of 20°C; final water temperature of 28°C



About Copeland

Copeland is a global provider in sustainable heating, cooling, cold chain and industrial solutions. We help commercial, industrial, refrigeration and residential customers reduce their carbon emissions and improve energy efficiency. We address issues like climate change, growing populations, electricity demands and complex global supply chains with innovations that advance the energy transition, accelerate the adoption of climate friendly low GWP (Global Warming Potential) and natural refrigerants, and safeguard the world's most critical goods through an efficient and sustainable cold chain. We have over 18,000 employees, with feet on the ground in more than 40 countries - a global presence that makes it possible to serve customers wherever they are in the world and meet challenges with scale and speed. Our industry-leading brands and diversified portfolio deliver innovation and technology proven in over 200 million installations worldwide. Together, we create sustainable solutions that improve lives and protect the planet today and for future generations.

Contact list

COPELAND SALES OFFICES

New Delhi

Copeland India Pvt. Ltd. 56 Rama Road Industrial Area, New Delhi 110015 Tel: (91-124) 489 4500

Thane

Copeland India Pvt. Ltd.
Awfis space solutions limited,
1st Floor, Bellona
Building, 7X3P+Q2W,
Hiranandani Estate, Thane West,
Thane, Maharashtra 400607

COLD CHAIN CENTERS

Gurgaon

Copeland India Pvt. Ltd. Plot No. 127, Udyog Vihar, Phase IV, Gurgaon - 122015, Haryana

PLANT

Copeland India Pvt. Ltd. Atit-Pali Road, Atit, Satara, Maharashtra- 415519 Tel: +91 21-6222-4200

REGISTERED HEAD OFFICE

Copeland India Private Limited 278 /A/7-10(P), Raisoni Industrial Park, Hinjewadi, Phase -II, Village Maan, Taluka Mulshi, Pune 411 057

To learn more, visit copeland.com

25042~EN CG HV Heat pumps @2025 Copeland LP.

