

Marketing Bulletin

Next Generation Residential Heat Pump (150 LPH/5kw)

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TO:	Copeland System Integrators
FROM:	Copeland India Private Limited

Background

The residential water heating market in India continues to witness a steady transition from conventional heating technologies to Heat Pump-based solutions, driven by the need for lower operating costs, environmentally friendly technology, and enhanced end-user convenience. This shift is increasingly visible across villas, independent bungalows, and mid-to-large apartment developments, where energy efficiency and sustainability are becoming key decision factors.

Building on the successful launch of the Next Gen Residential Heat Pump series, **Copeland India is pleased to announce the availability of the 150 LPH (5 kW) Heat Pump as an extension to the existing 200 LPH (7.2 kW) Made-in-India offering.** This new capacity addition is designed to address hot water demand, while delivering the same benefits of high efficiency, reliability, and environmental responsibility.

The 150 LPH Heat Pump enables system integrators and customers to optimize system sizing, ensuring improved energy savings and faster adoption of heat pump technology across residential projects. With this extension, Copeland further strengthens its commitment to localized manufacturing and supporting India's transition toward sustainable heating solutions.

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Product Features (Model: CHP-T015X-PPC-D61)

Environment Friendly Product

- Delivers 3.3 COP @ Rating Condition: Up to 70% Reduction in Energy Bill v/s Convention Heating
- Zero ODP R410A Refrigerant
- Silent Operation: 63 dBA
- Reduced Energy Bill Due to Minimum Heat Exchange Loss Between Refrigerant and Water in VSIT (Vertical Spiral inside Tube) Condenser

Strong Operation Performance

- No Worries in Winter; Designed for Ambient Operation -5°C to 43 °C
- Delivers Max Water Temperature of 55 °C
- Ice Free Evaporator Using 4 Way Valve Defrost Technology

Sleek & Compact Design

- Lesser Footprint: Fits in 2.7 Sqft Floor Area
- Less Than 2 Feet Height
- 56Kg Product Weight; Best in Segment

User Friendly & Reliable Operation

- Friendly Interface with Intelligent Controller; Inbuilt Water Pump
- Wet Free Floor: Drainpipe Connector Draws Away Condensate
- System Protection: Compressor Protection, Circuit Board Fuse, High/Low Temp Alarm, Under/Over Voltage, HP/LP Switches



Product Specification

Category		Units	Product Specifications
Model No.		-	CHP-T015X-PPC-D61
Compressor		Type	Fixed Speed
Unit Dimensions	L X W X H	mm	864X341X596
Net Weight (Approx.)		Kg	56
Power Supply		V/Hz/Ph	230V/ 50Hz/ 1Ph
Refrigerant		Type	R410A
Operating Ambient Temperature		°C	Heating: -5°C to 43 °C
Output Water Temperature		°C	Default 50 °C, 30 °C ~ 55 °C
Water Heating	Capacity Rated	kW	5.0
	Input Power	kW	1.51
	COP	W/W	3.3
	Hot Water Output Volume	L/hr	150
Fan Motor	Power Supply	V/Hz/Ph	230V/ 50Hz/ 1Ph
	Type	AC/DC	AC
Water Pump	Power Supply	V/Hz/Ph	230V/ 50Hz/ 1Ph
	Current	A	0.28
	Head	ft	10
Water Side Heat Exchanger		Type	Vertical Spiral Inside Tube
Air Side Heat Exchanger		Type	Fin & Tube
Water Pipeline	Water Inlet Pipe	mm/inch	25/1
	Water Outlet Pipe	mm/inch	25/1
User Interface		-	BMS Control, Wire Remote, LED Display
Protection Control		-	Compressor Protection, Circuit Board Fuse, High/Low Temperature Alarm, Under Voltage/Over Voltage, HP/LP Switches

Note: Rated Test Condition Heating: Ambient Temperature 25°C/20 °C (DB/WB) ; Water Inlet/Outlet Temperature 20°C/50 °C

Due to continuous product improvement, the specifications are subject to change without prior notice. For actual specifications of unit, please refer to the sticker on the unit

Orders are now accepted. For more information, please contact Copeland Sales representative or write to us on

ClimateIndia@Copeland.com

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