HAYWARD®
We Build Better.®

HeatPro® MCHX Series

Industry-First Microchannel Technology

WATER TEMPERATURE CONTROL THAT
DELIVERS THE PERFECT DEGREE OF COMFORT

EXPERT LINE®

ONLY FROM POOL PROS

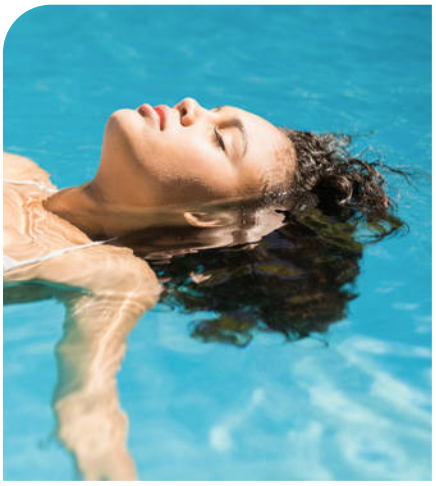
3+ YEAR PARTS & LABOR WARRANTIES*

*When sold by a Totally Hayward® Partner. Exclusions, other terms and conditions may apply — visit hayward.com/expert for details.

INDUSTRY-FIRST MICROCHANNEL TECHNOLOGY.

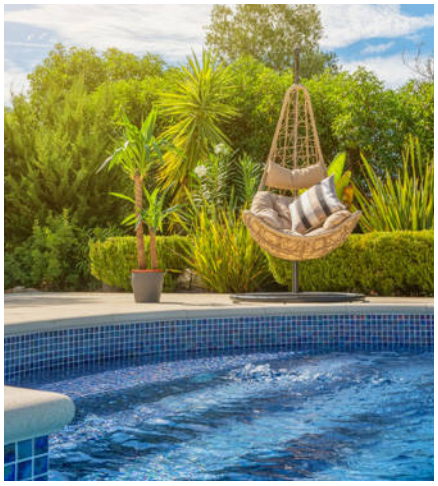
Hayward continues its position as the industry leader in innovation with the introduction of the new HeatPro MCHX Series of electric heat pumps that utilize industry-first microchannel technology engineered to get your pool water to the perfect temperature.

If you are looking to warm your water to extend swim season, cool your water in warm or arid climate conditions, or chill your water down to 40°F for a cold plunge, we have the ideal lineup including three heat-only options and three heat+chill options.



CHILLS DOWN TO 40°F FOR COLD PLUNGES

» Chills to low temperatures so you can get all the benefits out of your next cold plunge.*

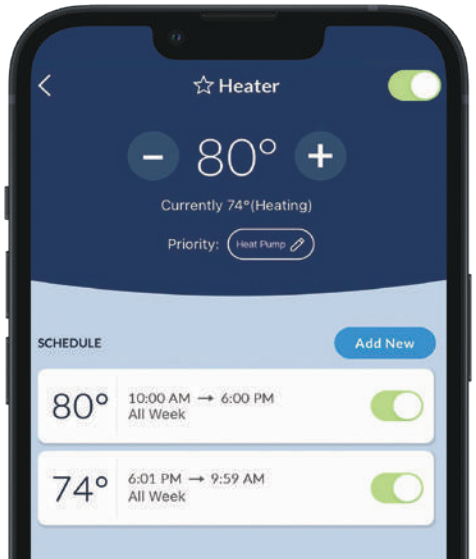


COOLS FOR PERFECT TEMPERATURE

» Ideal for warm or desert climates with 30% increased cooling capacity compared to competitive technology.*

WARMS TO EXTEND SWIM SEASON

» Extend swim season with improved heating capacity below 50°F using our patent pending defrost algorithm.



ADD OMNI® AUTOMATION FOR A NEW DEGREE OF CONTROL.

The industry-best HeatPro MCHX Series gets even better when you pair it with top-rated Omni automation—offering advanced management of temperature, runtime and a whole lot more.

» **Remote temperature control** lets users set temperature from virtually anywhere

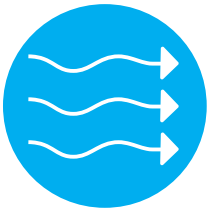
» **Intuitive scheduling** with automatic temperature adjustment from custom inputs

** Only on Heat+Chill Models*

THE FUTURE BELONGS TO MICROCHANNEL.

Industry-First Microchannel Heat Exchanger. More versatile, more energy efficient and more affordable over time.

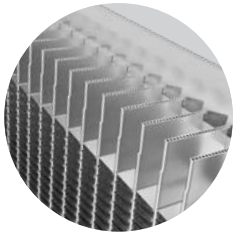
Powerful Warranty.
Backed by a 5 year warranty



Improved Low Ambient Heating.
Patent pending algorithm for rapid defrost

Lasts Longer.
Less Performance degradation versus tube and fin

Less Complexity.
85% reduction in braze joints means less leak opportunities



Best in Class Corrosion Resistance.
TCP coating developed by Naval Air Command for durability in the harshest climates

Robust Coil Structure.
Protects against fin damage during installation and outdoor impacts

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WEIGHT REDUCTION

Up to 50lb weight reduction vs. tube & fin technology

LOWER PANEL LOADING

40 amp breaker can be used on 110K and 120K BTU/hr units

LESS REFRIGERANT

Significant reduction in refrigerant means lower environmental impact

AHRI CERTIFICATION

Certified for performance and value

PROUDLY BUILT

Efficiently built and assembled in Nashville, TN

HEATPRO® MCHX SERIES SPECIFICATIONS

	HEAT ONLY			HEAT + CHILL		
MODEL NUMBER	HP21105T	HP21205T	HP21405T	HP31105T	HP31205T	HP31405T
BTU HEATING CAPACITY						
80 / 80 / 80 *	110,000	120,000	138,000	110,000	120,000	135,000
80 / 80 / 63 *	100,000	110,000	128,000	100,000	110,000	125,000
50 / 80 / 63 *	75,000	75,000	82,000	75,000	75,000	82,000
BTU COOLING CAPACITY						
95 / 90 / 80 *	-	-	-	72,000	72,000	82,000
COEFFICIENT OF PERFORMANCE, HEATING						
80 / 80 / 80 *	5.7	5.7	5.7	5.7	5.7	5.7
80 / 80 / 63 *	5.5	5.5	5.5	5.5	5.5	5.5
50 / 80 / 63 *	4.0	4.0	4.0	4.0	4.0	4.0
Low Ambient Operation	√	√	√	√	√	√
Air Operating Temperature	45-110°F	45-110°F	45-110°F	40-110°F	40-110°F	40-110°F
Active Defrost	-	-	-	√	√	√
Rated Voltage	230V~ 60Hz 1Ph	230V~ 60Hz 1Ph	230V~ 60Hz 1Ph	230V~ 60Hz 1Ph	230V~ 60Hz 1Ph	230V~ 60Hz 1Ph
Recommended Breaker Size	40A	40A	50A	40A	40A	50A
Water Flow Rate (Min/Max)	30 / 75 GPM	30 / 75 GPM	30 / 75 GPM	30 / 75 GPM	30 / 75 GPM	30 / 75 GPM
Water Connection Diamter	2 x 2-1/2 in	2 x 2-1/2 in	2 x 2-1/2 in	2 x 2-1/2 in	2 x 2-1/2 in	2 x 2-1/2 in
Water Inlet to Outlet Distance	10.25 in	10.25 in	10.25 in	10.25 in	10.25 in	10.25 in
Refrigerant	4 lb 10 oz	4 lb 14 oz	4 lb 14 oz	5 lb 0 oz	5 lb 4 oz	5 lb 4 oz
Refrigerant Type	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
Unit Dimensions (LxWxH)	33.6 x 30.5 x 44 in	33.6 x 30.5 x 44 in	33.6 x 30.5 x 44 in	33.6 x 30.5 x 44 in	33.6 x 30.5 x 44 in	33.6 x 30.5 x 44 in
Unit Weight	230 lbs	233 lbs	233 lbs	237 lbs	240 lbs	240 lbs
Unit Shipping Dimensions (LxWxH)	36.5 x 31 x 49 in	36.5 x 31 x 49 in	36.5 x 31 x 49 in	36.5 x 31 x 49 in	36.5 x 31 x 49 in	36.5 x 31 x 49 in
Unit Shipping Weight	278 lbs	281 lbs	281 lbs	285 lbs	288 lbs	288 lbs
Rear & Side Clearance (Min)	12"	12"	12"	12"	12"	12"

** Ambient Air Temperature / Water temperature / Relative Humidity*

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