

WAVE SERIES

COMMERCIAL POOL INVERTER HEAT PUMPS



**AUTOMATICALLY MAINTAINS THE
PERFECT TEMPERATURE**



INVERTER TECHNOLOGY
Maximises efficiency and energy savings with EEV3



RICHMOND IQ
Smart Heating
Smarter Savings



RAPID BOOST MODE
Maximum power on demand



HEATING OR COOLING
Automatically maintains the perfect temperature



NIGHT MODE
Reduces noise and running costs



TOP OR SIDE DISCHARGE
Installation flexibility



COMBINING EFFICIENCY WITH NEXT-GENERATION DESIGN

Integrating the latest Inverter technology to optimise compressor and fan speed, the Richmond Wave sets new standards in efficiency and control. Central to its design is EEV3 which guarantees reliable, precise control to deliver optimal energy savings.



COMMITTED TO THE PLANET

Richmond achieves significant environmental benefits with R32 refrigerant, offering up to one-third lower global warming potential compared to the widely used R410A. Delivering the most balanced combination of low environmental impact, energy efficiency, and cost effectiveness.



SLEEK DESIGN, MAXIMUM IMPACT

The Richmond Wave proves that powerful performance needn't come with a large footprint. Its unique fan and coil design delivers compact efficiency, reducing space requirements without sacrificing heating power.



BUILT TO LAST

Marine grade aluminium construction, exclusive Richmond Cote anti corrosion treated evaporator and Titanium heat exchanger. Richmond Wave delivers on reliability.



NIGHT MODE PERFECT QUIET OPERATION AND BIG ENERGY SAVING

Night Mode delivers whisper-quiet operation and higher COP. Perfect for locations with noise restrictions and for high efficiency operation.



RICHMOND IQ® SMART HEATING, SMARTER SAVINGS

Richmond IQ® - the ingenuity behind the central control system - lies at the heart of the Richmond Wave. Its brilliance is in its capacity to intelligently adjust pool heating schedules, maximising moments of low-priced electricity to significantly reduce costs. With Richmond IQ you will be swimming in savings!



SOLAR COMPATIBILITY

Designed to integrate with solar power, the Richmond Wave can adjust settings to optimise solar availability.



BUILDING MANAGEMENT SYSTEM

BMS integration gives full visibility to monitor the systems operation with BACnet or Modbus cards available.



PEACE OF MIND

Supported by nationwide team of technical and service professionals, you can rely on.

RICHMOND WAVE SERIES							
MODEL	UNITS	RMHP098YT	RMHP133YT	RMHP203YT	RMHP250YT	RMHP393YT	RMHP525YT
HEATING PERFORMANCE CONDITION: Air 27°C/ Water 26°C/ Humid. 80%							
Beast Mode Heating Capacity	kW	116.7	160.1	239.3	288.0	471.1	620.8
Heating Mode Capacity	kW	97.2	132.6	203.3	247.4	392.7	523.4
COP Heating Mode		6.8	6.7	6.7	7.2	6.8	7.2
Night Mode	kW	60.1	84	126.6	161.5	243.8	340.6
COP Night Mode		9.9	9.8	9.9	9.2	9.9	9.4
HEATING PERFORMANCE CONDITION: Air 15°C/ Water 26°C/ Humid. 80%							
Beast Mode Heating Capacity	kW	99.4	133.8	198.8	230.6	347.9	499.0
Heating Mode Capacity	kW	83.5	112.2	171.9	200.7	314.9	422.8
COP Heating Mode		5.8	5.7	5.7	5.6	5.5	5.6
Night Mode	kW	48.9	65.9	97.9	124.6	190	270.1
COP Night Mode		7.6	7.3	7.2	6.4	7.3	6.8
COOLING PERFORMANCE CONDITION: Air 35°C/ Water 26°C/ Humid. 80%							
Cooling Capacity	kW	45.7	61.2	91.3	127.4	182.6	254.7
TECHNICAL SPECIFICATIONS							
Max Outlet Temperature	°C	42	42	42	42	42	42
Power Supply (Voltage/Phase)		380-415 / 3	380-415 / 3	380-415 / 3	380-415 / 3	380-415 / 3	380-415 / 3
Frequency	Hz	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60
Min Circuit Breaker Size	Amps	40.0	65.0	80.0	125.0	150	250
Compressor Type		Inverter Scroll	Inverter Scroll	Inverter Scroll	Inverter Scroll	Inverter Scroll	Inverter Scroll
Defrost		Reverse Cycle	Reverse Cycle	Reverse Cycle	Reverse Cycle	Reverse Cycle	Reverse Cycle
Refrigerant		R32	R32	R32	R32	R32	R32
Noise dBa @ 3m	m	54-64	54-64	57-67	57-67	51-71*	59-77*
Heat Exchanger		Titanium	Titanium	Titanium	Titanium	Titanium	Titanium
Flowrate	L/s	7.5	10.0	15.0	18.0	30	36
Connections PVC	mm	80	80	100	100	150	150
Drain	mm	20	40	40	40	40	40
Air Discharge		Top/Side	Top	Top	Top	Top	Top
Number of Fans		2	2	2	2	8	6
Air Flow	L/s	5278	7444	12778	12778	26667	35833
Dimensions HxWxL Top Discharge	mm	2380x1025x1800	2465x1135x1620	2835x1260x2110	2835x1260x2110	3465x1965x2350	4500x2265x2205
Dimensions HxWxL Side Discharge	mm	2380x1225x1800					
Approx Shipping Weight		450	750	1100	1300	2500	2500

Disclaimer: Heating Capacity reflects the summer performance being an air-on temperature of 27°C at 80% RH and a water temperature of 26°C. Richmond is continually seeking to improve the performance of its heating product. Product specification information provided above is correct at the date of publication, this data may change without notice. Product data should be verified at the time of order.

*These values are a combination of tested and theoretical data. Actual performance may vary based on unit installation and site conditions.



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