

RHEEM THERMAL COMPACT RESIDENTIAL SERIES						
MODEL	RPH009-1A	RPH013-1A	RPH016-1A	RPH021-1A	RPH028-1A	RPH028-3A
HEATING PERFORMANCE CONDITION: Air 27°C/ Water 27°C/ Humid. 80%						
Heating Capacity (kW)	8.6	13	15.5	21	27.8	27.8
COP Range	14-6.5	14-6.4	15-6.5	15-6.5	15.8-7.2	15.6-7.1
Average COP at 50% Speed	9.0	9.5	9.6	9.3	11.0	10.7
HEATING PERFORMANCE CONDITION: Air 15°C/ Water 26°C/ Humid. 70%						
Heating Capacity (kW)	6.4	9.0	10.9	14.5	18.8	18.8
COP Range	6.8-4.5	7-4.4	7-4.5	7-4.6	7.8-4.9	7.8-4.9
Average COP at 50% Speed	6.2	6.3	6.3	6.2	6.5	6.4
COOLING PERFORMANCE CONDITION: Air 35°C/ Water 28°C/ Humid. 80%						
Cooling Capacity (kW)	4.4	5.9	7.8	9.9	11.7	11.7
TECHNICAL SPECIFICATIONS						
Advised pool volume (m <sup>3</sup> ) <sup>1</sup>	20-50	30-60	40-75	50-90	60-120	60-120
Operating air temperature (°C)	-5-43				-10-43	
Power supply	240V 1Ph				415V 3Ph	
Rated input power (kW)	0.21-1.42	0.31-2.10	0.37-2.42	0.47-3.20	0.50-3.84	0.50-3.84
Rated input current (A)	0.93-6.20	1.34-8.90	1.60-10.60	2.06-13.70	2.17-16.70	0.72-5.56
Recommended circuit breaker size (A)	10	16	20	25	25	10
Sound level at 10m dB (A)	19.0-28.4	22.2-30.8	21.2-34.4	23.4-34.1	21.5-32.9	21.5-32.9
Sound level at 50% speed 1m dB (A)	41.6	45.8	45.9	46.8	46.4	47.0
Protection Level	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4
Refrigerant R32 charge (kgs)	0.5	0.75	0.8	1.0	2.0	2.0
Operating pressure (discharge/suction)	4.1/0.15Mpa	4.1/0.15Mpa	4.1/0.15Mpa	4.1/0.15Mpa	4.1/0.15Mpa	4.1/0.15Mpa
Advised water flow (L/sec)	0.5-1.2	1.2-1.7	1.7-2.3	2.0-2.8	2.8-3.4	2.8-3.4
Water connections (mm)	50	50	50	50	50	50
Max allowable water pressure (kPa)	300	300	300	300	300	300
Dimensions L / W / H (mm)	890 / 430 / 657	890 / 430 / 657	890 / 430 / 657	1060 / 430 / 657	1060 / 430 / 957	1060 / 430 / 957
Net weight (kgs)	58	61	64	70	94	99
Gross weight packaged (kgs)	67	70	72	80	103	108

Please note: These heat pumps RPH009-1A, RPH013-1A, RPH016-1A, RPH021-1A are able to perform as normal within air temp -5°C to +43°C, and RPH028-1A, RPH028-3A are able to perform as normal within air temp -10°C to +43°C. Efficiency will not be guaranteed outside of this range. Please take into consideration that the pool heat pump performance and parameters are different under various conditions. Related parameters are subject to adjustment periodically for technical improvement without further notice.

<sup>1</sup>Advised pool volumes are given as a guide only with model selection varying with many factors including geographic location, sun and wind exposure, desired temperature and season. For confirmation of all detail and/or specific advice, please contact Rheem Pool Heating Advisory or your nearest distributor.

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