

PERFORMANCE^{PLUS} Titanium Series

Outdoor Pool Sizing Chart for Extended Season*

Swimming Pool Heat Pumps

#G (8th Gen R-32/7th Gen R410A) P (Pool Heating) # (Nominal Heating Capacity kW)
-# (1 = Single Phase, 3 = Three Phase)

Coastal North Island			Residential* ² Surface Area (m ²)	School* ³ Surface Area (m ²)	Commercial* ⁴ Surface Area (m ²)
Model	kW Input	kW Output* ¹			
Single Phase Models					
8GP15-1	2.8	15	65	48	38
8GP18-1	3.4	18	80	63	51
8GP24i-1	4.8	24	115	80	72
Three Phase Models					
8GP18-3	3.4	18	80	63	51
8GP24i-3	5.0	24	120	85	74
8GP33i-3	6.4	33	150	113	90
8GP36-3	7.0	36	180	135	101
8GP50-3	10.0	50	225	189	144
8GP55i-3	10.0	50	230	190	145
8GP65-3	12.0	65	270	240	180
8GP75-3	14.0	75	360	270	200
8GP100-3 and 8GP100-3v	20.0	100	–	345	255
8GP120-3 and 8GP120-3v	24.0	120	–	410	310
8GP140-3 and 8GP140-3v	28.0	140	–	480	360
8GP200-3v	4.0	200		* ³	
8GP240-3v	48.0	240	Contact HWHP for individual sizing information		
8GP280-3v	56.0	280	Contact HWHP for individual sizing information		

Notes:

- * Extended Season in New Zealand: mid October to mid April
- *¹ kW Output values are nominal ratings based on 18°C Wet Bulb and 28°C water temperature
- *² **Residential:** Pool covered when not in use (up to 4 hours per day uncovered).
- *³ **School:** Pool covered when not in use (up to 6 hours per day uncovered).
- *⁴ **Commercial:** Pool covered when not in use (up to 12 hours per day uncovered).
- *⁵ Wider sizing variations occur with larger commercial pools. Contact Hot Water Heat Pump's qualified staff for correct load calculations.

Disclaimer: This information is strictly to be used as a guideline only. For a specific load calculation, where ground water, wet edges, water features, exposed concrete surfaces, high water temperatures, no covers or other unusual characteristics are involved; please contact Hot Water Heat Pumps Ltd or the local authorised dealer.



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Central North Island and South Island			Residential* ² Surface Area (m ²)	School* ³ Surface Area (m ²)	Commercial* ⁴ Surface Area (m ²)
Model	kW Input	kW Output* ¹			
Single Phase Models					
8GP15-1	2.8	15	60	43	22
8GP18-1	3.4	18	70	54	34
8GP24i-1	4.8	24	95	70	58
Three Phase Models					
8GP18-3	3.4	18	70	54	34
8GP24i-3	5.0	25	105	75	63
8GP33i-3	7.0	35	125	102	75
8GP36-3	7.0	35	150	115	90
8GP50-3	10.0	50	200	161	122
8GP55i-3	10.0	50	205	162	123
8GP65-3	12.0	65	250	204	154
8GP75-3	14.0	75	300	230	180
8GP100-3 and 8GP100-3v	20.0	100	–	290	220
8GP120-3 and 8GP120-3v	24.0	120	–	350	264
8GP140-3 and 8GP140-3v	28.0	140	–	405	308
8GP200-3v	4.0	200	Contact HWHP for a load calculation		
8GP240-3v	48.0	240	Contact HWHP for a load calculation		
8GP280-3v	56.0	280	Contact HWHP for a load calculation		

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THERMOPLUS Outdoor Swimming Pool Sizing Chart for Extended Season*

Swimming Pool Heat Pumps

TH (ThermoPlus Import: R410A) P (Pool Heating) # (Nominal Heating Capacity kW)
-# (1 = Single Phase, 3 = Three Phase)

Coastal North Island			Residential* ² Surface Area (m ²)	School* ³ Surface Area (m ²)	Commercial* ⁴ Surface Area (m ²)
Model	kW Input	kW Output* ¹			
Single Phase Models					
THP-5-1	1.1	5	12	–	–
THP-7-1	1.4	7	18	–	–
THP-9-1	1.4	9.5	30	24	20
THP-12i-1	2.23	10	35	26	22
THP-12-1	2.15	12	55	35	30
THP-14-1	2.7	14	65	45	36
THP-17-1	2.96	15	67	47	38
THP-17i-1	3.3	17	75	55	45
THP-23i-1	4.3	23	95	65	55
Three Phase Models					
THP-26-3	4.9	26	120	82	70
THP-45-3	8.7	45	200	160	100
THP-55-3	10.4	55	225	185	140
THP-70-3	16.0	70	260	230	180
THP-90-3	24.5	90	–	390	300

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Model	kW Input	kW Output* ¹			
Single Phase Models					
THP-5-1	1.1	5	10	–	–
THP-7-1	1.4	7	12	–	–
THP-9-1	1.4	9	22	18	10
THP-12i-1	2.23	10	30	22	12
THP-12-1	2.15	12	45	28	16
THP-14-1	2.7	14	55	38	20
THP-17-1	2.96	15	60	50	30
THP-17i-1	3.3	17	60	50	30
THP-23i-1	4.3	23	80	58	40
Three Phase Models					
THP26-3	4.9	26	100	70	50
THP-45-3	8.7	45	180	150	85
THP-55-3	10.4	55	200	160	120
THP-70-3	16.0	70	240	190	150
THP-90-3	24.5	90	–	360	250

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