

GSHP Technical Information



Commercial Range

Power	Model	Power Output (Heating) Watts	Power output (Cooling option) Watts	Power Input Watts	COP*	Supply	Max Current Amps	Refrigerant	Connections	Weight (kg)	Dimensions	Decibels	Flow Rates	
											H - L - D (cm)	dB(A) @10m	Heating m ³ /h	Ground Loop m ³ /h
54 kW	PACAO-54T	54300	40550	10100	5.4	400/3+N/50Hz	34	R410a	1"1/2	300	166 - 59.5 - 50	45	5.85	8.3
70 kW	PACAO-70T	69800	51770	13100	5.3	400/3+N/50Hz	40	R410a	2"	320	166 - 119 - 50	48	7.52	13.7
85 kW	PACAO-85T	87400	64970	16200	5.4	400/3+N/50Hz	48.5	R410a	2"	400	166 - 119 - 50	50	9.42	17.3
110 kW	PACAO-110T	113500	84540	20600	5.5	400/3+N/50Hz	65	R410a	2"	420	166 - 119 - 50	50	12.23	22.3
150 kW	PACAO-150T	157000	116300	28500	5.5	400/3+N/50Hz	82.5	R410a	2"1/2	440	166 - 119 - 50	52	17	30.4
220 kW	PACAO-220T	227000	169080	32400	5.4	400/3+N/50Hz	2x48.5	R410a	2"1/2	840	166 - 119 - 130	54	24.5	44.6
300 kW	PACAO-300T	314000	232590	55000	5.4	400/3+N/50Hz	2x82.5	R410a	3"	880	166 - 119 - 130	54	34	60.8
47 kW	PACAO HT-47T	46700	32660	8700	5.4	400/3+N/50Hz	21	R407C	1"1/2	300	166 - 59.5 - 50	43	5.03	8.7
57 kW	PACAO HT-57T	57200	39920	10600	5.4	400/3+N/50Hz	25	R407C	1"1/2	320	166 - 59.5 - 50	45	6.16	10.1
78 kW	PACAO HT-78T	77600	54260	14600	5.3	400/3+N/50Hz	2x16	R407C	2"	560	166 - 119 - 50	46	8.4	14.6
94 kW	PACAO HT-94T	93400	65320	17400	5.4	400/3+N/50Hz	2x21	R407C	2"	600	166 - 119 - 50	48	10	17.4
115 kW	PACAO HT-115T	114400	79840	21200	5.4	400/3+N/50Hz	2x25	R407C	2"	640	166 - 119 - 50	50	12.3	20.2

*Nominal Heat Condition: Evaporator inlet 10°C - Outlet 7°C, Condenser 35°C

Heating Capacity Tables

PACAO 54 kW			Water temperature into Evaporator °C				
			-5	0	5	10	15
Output watts	Hot Water Temperature from Condenser °C	25	37301	43373	50434		
Input watts			8675	8675	8848		
Output watts		30	36294	42202	49072	58644	
Input watts			9551	9591	9622	9458	
Output watts		35	34538	40160	46698	54300	59187
Input watts			10466	10568	10377	10056	10032
Output watts		40	33605	39076	45437	49033	53446
Input watts			11588	11841	11359	10433	10084
Output watts		45	32698	38021	44210	47709	52003
Input watts			13079	13111	12632	11636	11305
Output watts	50	31815	36994	43017	46421	50599	
Input watts		15520	13702	13876	12895	12341	
Output watts	55		35995	41855	45168	49233	
Input watts			15650	15502	14115	13676	
Output watts	60			40725	43948	47903	
Input watts				16969	15696	14970	
Output watts	65				42761	46610	
Input watts					17105	17263	

PACAO-HT 47kW			Water temperature into Evaporator °C				
			-5	0	5	10	15
Output watts	Hot Water Temperature from Condenser °C	25	32698	38021	44211		
Input watts			7099	7346	7603		
Output watts		30	31816	36995	43017	50020	
Input watts			7598	7863	8137	8421	
Output watts		35	30276	35205	40936	47600	51884
Input watts			7953	8231	8518	8815	9265
Output watts		40	29459	34254	39831	46315	50483
Input watts			9316	9641	9977	10325	10016
Output watts		45	28663	33330	38755	45064	49120
Input watts			10072	10423	10786	11163	10829
Output watts	50	27890	32430	37709	43848	47794	
Input watts		10888	11268	11661	12068	11707	
Output watts	55	27136	31554	36691	42664	46503	
Input watts		11772	12182	12607	13047	12657	
Output watts	60	26404	30702	35700	41512	45248	
Input watts		12726	13170	13630	14105	13683	
Output watts	65		29873	34736	40391	44026	
Input watts			14239	14735	15249	14793	

Note: The complete commercial range of heating capacity tables can be viewed and downloaded from our website.