

**SAKURA**<sup>®</sup>  
Air Conditioner

## **Sakura Air Conditioner User-friendly, Earth-friendly**



Air Cooled Screw Chiller (heat pump)

**R-22**

# Air-cooled Screw Chiller R-22



Model No. SAS-CH2		070.1	100.1	115.1	135.1	155.1	175.1	170.2	195.2		
Cooling Capacity	kW	247.5	337.7	400.5	474.9	530.8	601.6	585.2	675.5		
	kcal/h	212857	290450	344463	408408	456514	517366	503307	580899		
Cooling Power Input	kW	80.4	109.2	129.7	152.3	170.0	195.5	187.9	218.5		
Heating Capacity	kW	286.6	395.1	475.7	562	618.3	705.4	681.7	790.1		
	kcal/h	246512	339749	409604	483348	531762	606623	586261	679499		
Heating Power Input	kW	78.1	105.5	125.4	146.1	164.3	189.2	181.9	211.1		
Minimal Power	kW	109	147	175	206	230	264	254	295		
Power Input	380V / 3Ph / 50Hz										
Evaporator	Type	Shell & Tube Heat Exchanger									
	Cold Water Flow	m <sup>3</sup> /h	42.6	58.2	69.0	81.8	91.4	103.6	100.8	116.3	
	Hot Water Flow	m <sup>3</sup> /h	49.4	68.0	81.9	96.8	106.5	121.5	117.4	136.1	
	Entering/Leaving Water Pipes	DN	100	100	125	125	125	150	150	150	
Operating Method	Automatic										
Compressor	Type	Semi-Hermetic Screw									
	Cooling Power Input	kW	69.6	98.4	115.3	137.9	152.0	177.5	168.1	196.9	
	Heating Power Input	kW	67.3	94.7	111.0	131.7	146.3	171.2	162.1	189.5	
Fan	Y-Δ										
	Air Volume	m <sup>3</sup> /h	132000	132000	176000	176000	220000	220000	242000	264000	
	Power Input	kW	10.8	10.8	14.4	14.4	18	18	19.8	21.6	
	Quantity	pcs	6	6	8	8	10	10	11	12	
Refrigerant	Type	R-22									
	Circuits	1						2			
	Control Method	Thermal Expansion Valve									
Charge Weight	kg	77	100	120	145	155	160	177	210		
Dimension	Length	mm	3732	3732	4672	4672	5612	5612	6552	6552	
	Width	mm	2257								
	Height	mm	2690								
Unit Weight	kg	3101	3094	4466	5135	5930	6201	7412	7950		
Operating Weight	kg	3313	4144	4640	5389	6245	6572	7732	8311		

Model No. SAS-CH2		210.2	230.2	250.2	270.2	290.2	310.2	330.2	345.2		
Cooling Capacity	kW	738.3	801.1	875.4	949.8	1005.7	1061.7	1132.4	1203.2		
	kcal/h	634913	688927	752872	816817	864922	913028	973880	1034731		
Cooling Power Input	kW	239.0	259.5	282.0	304.3	322.3	340.1	365.6	391.0		
Heating Capacity	kW	870.7	951.3	1037.7	1124.1	1180.4	1236.7	1323.7	1410.8		
	kcal/h	748813	818128	892412	966695	1015110	1063525	1138385	1213245		
Heating Power Input	kW	230.9	250.7	271.5	292.2	310.4	328.7	353.5	378.4		
Minimal Power	kW	323	350	381	411	435	450	494	528		
Power Input	380V / 3Ph / 50Hz										
Evaporator	Type	Shell & Tube Heat Exchanger									
	Cold Water Flow	m <sup>3</sup> /h	127.2	138.0	150.8	163.6	173.2	182.9	195.1	207.2	
	Hot Water Flow	m <sup>3</sup> /h	150.0	163.9	178.7	193.6	203.3	213.0	228.0	243.0	
	Entering/Leaving Water Pipes	DN	150	200							
Operating Method	Automatic										
Compressor	Type	Semi-Hermetic Screw									
	Cooling Power Input	kW	213.8	230.7	253.2	275.8	289.9	304.1	329.6	355	
	Heating Power Input	kW	205.7	221.9	242.7	263.4	278	292.7	317.5	342.4	
Fan	Y-Δ										
	Air Volume	m <sup>3</sup> /h	308000	352000			396000	440000			
	Power Input	kW	25.2	28.8			32.4	36.0			
	Quantity	pcs	14	16	16	16	18	20	20	20	
Refrigerant	Type	R-22									
	Circuits	2									
	Control Method	Thermal Expansion Valve									
Charge Weight	kg	237	260	290	310	325	347	355	375		
Dimension	Length	mm	8331	9271			10211	11151			
	Width	mm	2257								
	Height	mm	2690								
Unit Weight	kg	8269	8476	9396	10508	10917	11611	12041	12715		
Operating Weight	kg	8656	8891	9858	11017	11423	12177	12615	13337		

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