



®

HUALI GROUP CO., LTD

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Screw-type Water Chiller (with Heat recovery)

Model	HLWW~	090S	125S	165S	220S	240S	280S	325S	350S	390S	460S
		090SR	125SR	165SR	220SR	240SR	280SR	325SR	350SR	390SR	460SR
Rated Cooling Capacity	×1000Kcal/h	78.9	107.6	141.2	187.4	205.7	242.3	280.2	303.4	333.9	397.4
	KW	92	125	164	218	239	282	326	353	388	462
	USRT	26.1	35.6	46.7	62.0	68.0	80.1	92.7	100.3	110.4	131.4
Input power	KW	22.1	29.2	36.6	48.8	53.2	59.9	69.4	75.6	84.1	97.7
Comp. Current (A)		39.2	51.6	64.7	86.4	94.1	105.9	122.7	133.8	148.8	172.8
Refrigerant		R22									
Power Supply		3φ-380V-50HZ									
Safety Protection		Phase reversion protection, Phase lack protection, Overload current protection, Discharge air temp. protection, Low & High pressure protection, Low temp. protection, Water flow protection.									
Number of Refrigeration Circuit		1									
Capacity Control (%)		0, 66, 100					0, 50, 75, 100				
Refrigerant Charge (kg)		17	24	30	40	44	52	59	65	71	86
Condenser		Shell and Tube Type									
Water Side Max Pressure (MPa)		1									
Dia. of Pipe to Condenser (inch)		2"	2-1/2"	3"	3"	3"	3"	4"	4"	4"	5"
Cooling Water Flow (m³/h)		19.6	26.5	34.5	45.9	50.3	58.8	68.0	73.7	81.2	96.3
Condenser Water Pressure drop (kPa)		41	47	45	53	52	52	50	50	50	51
Evaporator		Shell and Tube Type									
Water Side Max Pressure (MPa)		1									
Dia. of Pipe to Evaporator (inch)		2"	2-1/2"	3"	3"	3"	3"	4"	4"	4"	4"
Chilled Water Flow (m³/h)		15.8	21.5	28.2	37.5	41.1	48.5	56.0	60.7	66.8	79.5
Evaporator Water Pressure drop (kPa)		22	28	32	35	45	55	61	66	63	43
Running Noise dB(A)		73.1	73.7	74.8	79	79.2	79.6	80.4	81.5	83.1	84.2
Total weight (kg)		880	910	1080	1220	1390	1510	1620	1730	1830	2140
Running Weight(kg)		970	1010	1220	1380	1530	1670	1780	1870	2020	2390

Heat Recovery

Refrigerant Charge (Kg)		20	27	33	43	47	55	62	67	74	90	
Heat Reclaimed Volume	×1000kcal/h	23.7	32.3	42.4	56.2	61.7	72.7	84.1	91	100.2	119.2	
	KW	28	38	49	65	72	85	98	106	116	139	
	USRT	7.8	10.7	14.0	18.6	20.4	24.0	27.8	30.1	33.1	39.4	
Dia. of Pipe to Heat Recover (inch)		1"	1-1/2"	1-1/2"	1-1/2"	1-1/2"	2"	2"	2"	2"	2"	
Water Side Max Pressure (MPa)		1										
Reclaimed Water Flow (m³/h)		4.7	6.5	8.5	11.2	12.3	14.5	16.8	18.2	20.0	23.8	
Heat recovery unit water pressure Drop (kPa)		21	24	23	28	27	27	26	26	26	26	
Total Weight (kg)		930	950	1130	1260	1430	1560	1690	1820	1900	2210	
Running Weight (kg)		1020	1050	1270	1420	1580	1710	1860	1950	2090	2470	
Dimension L×W×H (mm)		HLWW~ S	2200×800×1500	2250×800×1600	2350×900×1650	2550×900×1800		2900×900×1800		2900×900×1850		3000×1500×1500
Dimension L×W×H (mm)		HLWW~ SR	2400×950×1400	2400×950×1550	2450×1000×1650	2800×1050×1800		2950×1050×1800		3050×1050×1850		3050×1050×1900

Note:

- Rated Cooling Capacity Based on: Chilled water inlet/outlet temp. 12°C/7°C, Cooling water inlet/outlet temp. 30°C/35°C, Fouling factor: 0.088m².°C/KW.
- Chilled Water Range: 5~20°C; Cooling Water Range: 15~40°C;
- Changes of Specification for Improvement May Be made without Notice.

