

CNCEN Low Temperature Water Chiller

Technical parameters of ZCL-WL series of water cooled low temperature chillers (When T=-10°C)

Item	Model	ZCL-03WL	ZCL-05WL	ZCL-06WL	ZCL-08WL	ZCL-10WL	ZCL-12WL	ZCL-15WL	ZCL-20WL	ZCL-25WL	ZCL-30WL
Nominal cooling capacity	kcal/h 50HZ	3870	6622	7826 9460	10062	13846	16426	20038	27692	32852	40076
	Kcal/h 60HZ	4644	7998		12126	16598	19694	24080	33196	39388	48160
	KW 50HZ	4.5	7.7	9.1	11.7	16.1	19.1	23.3	32.2	38.2	46.6
	KW 60HZ	5.4	9.3	11	14.1	19.3	22.9	28	38.6	45.8	56
Total input power	KW	3	4.5	5.25	6.75	8.6	10.1	12.8	17.2	21	26.5
Power		3PH 380V 50HZ (200 ~ 600V 50HZ/60HZ)									
Refrigerant	Type	R22 (R404A/R507)									
	Control method	Expansion valve									
Compressor	Type	Hermetic scroll type (piston type)									
	Power(KW)	2.25	3.75	4.5	6	7.5	9	11.3	7.5*2	9.4*2	11.3*2
Condenser	Type	Shell and Tube									
	Cooling water flow (m3/h) 50HZ	1	1.7	2.03	2.62	3.6	4.27	5.2	7.23	8.54	10.4
	Cooling water flow (m3/h) 60HZ	1.21	2.06	2.44	3.14	4.32	5.12	6.24	8.67	10.25	12.5
	Inlet and outlet pipe diameter	1-1/2"	1-1/2"	1-1/2"	1-1/2"	1-1/2"	1-1/2"	2"	2"	2-1/2"	3"
Evaporator	Type	Shell and Tube									
	Chilled fluid flow (m3/h) 50HZ	0.77	1.33	1.56	2.01	2.77	3.28	4	5.56	6.57	8.01
	Chilled fluid flow (m3/h) 60HZ	0.93	1.59	1.88	1.73	3.32	3.94	4.8	6.65	7.89	9.62
	Inlet and outlet Pipe caliber (Inch)	1"	1"	1"	1"	1-1/2"	1-1/2"	2"	2"	2-1/2"	2-1/2"
Water pump	Power(kw)	0.75	0.75	0.75	0.75	1.1	1.1	1.5	2.2	2.2	4
	Lift(m)	18	18	18	18	20	20	20	20	20	25
Safety protection		Compressor over temperature,over current,high and low pressure,flow switch, phase sequence,phase-missing,exhaust Overheating,antifreezing.									
Dimension	L*W*H (mm)	890*500*840	890*500*840	890*500*840	1170*710*1200	1170*710*1200	1170*710*1200	1700*810*1620	1700*810*1620	1700*810*1620	1880*910*1800
Weight	Kg	130	150	150	300	430	500	735	820	900	1150

Note : 1. Nominal cooling capacity calculated according to : Inlet/outlet chilled fluid temperature : -5°C/-10°C. Inlet/outlet cooling water temperature: 25°C/30°C.

2. Working condition: The temperature range of chilled fluid is from -10°C to 10°C. Temperature difference between inlet and outlet chilled fluid is from 3°C to 8°C.

The temperature range of cooling water from 18°C to 35°C. Temperature difference between inlet and outlet cooling water is from 3.5°C to 10°C.

The above red parameters is for the particular voltage, which need to made accordingly. We reserve the right to modify the above information without further notice.

CNCEN Low Temperature Water Chiller

Technical parameters of ZCL-WL series of water cooled low temperature chillers (When T=-25°C)

Item	Model	ZCL-03WL	ZCL-05WL	ZCL-08WL	ZCL-10L	ZCL-12WL	ZCL-15WL	ZCL-20WL	ZCL-25WL	ZCL-30WL	ZCL-40WL
Nominal cooling capacity	kcal/h 50HZ	1521	2295	4849	6586	6880	7102	11452	14367	16877	21323
	kcal/h 60HZ	1825	2754	5819	7903	8256	8522	13742	17240	20252	25588
	KW 50HZ	1.77	2.67	5.64	7.66	8	8.26	13.32	16.71	19.63	24.8
	KW 60HZ	2.12	3.2	6.77	9.19	9.6	9.91	15.98	20.05	23.56	29.76
Total input power	KW	3	4.5	6.75	8.6	10.1	12.75	17.2	20.95	26.5	34
Power		3PH ~ 380V 50HZ (200 ~ 600V 50HZ/60HZ)									
Refrigerant	Type	R404A (R507)									
	Control method	Expansion valve									
Compressor	Type	Hermetic scroll type (piston type)									
	Power(KW)	2.25	3.75	6	7.5	9	11.25	15	18.75	22.5	30
Condenser	Type	Shell and Tube									
	Cooling water flow (m³/h) 50HZ	2.1	3.5	6.2	6.9	7.9	10.6	13.9	15.8	21.1	28.7
	Cooling water flow (m³/h) 60HZ	2.52	4.2	7.44	8.28	9.48	12.7	16.68	18.96	25.32	34.44
	Inlet and outlet pipe diameter	1-1/2"	1-1/2"	1-1/2"	1-1/2"	1-1/2"	2"	2"	2-1/2"	3"	3"
Evaporator	Type	Shell and Tube									
	Chilled fluid flow (m³/h) 50HZ	0.86	1.29	2.73	3.7	3.87	3.99	6.44	8.07	9.49	11.98
	Chilled fluid flow (m³/h) 60HZ	1.02	1.55	3.27	4.44	4.64	4.79	7.72	9.69	11.38	14.38
	Inlet and outlet Pipe caliber (Inch)	1"	1"	1"	1-1/2"	1-1/2"	2"	2-1/2"	2-1/2"	2-1/2"	3"
Water pump	Power(kw)	0.75	0.75	0.75	1.1	1.1	1.5	2.2	2.2	4	4
	Lift(m)	18	18	18	20	20	20	20	20	25	20
Safety protection		Compressor over temperature,over current,high and low pressure,flow switch,phase sequence,phase-missing,exhaust Overheating,antifreezing.									
Dimension	L*W*H (mm)	890*500*840	890*500*840	1170*710*1200	1170*710*1200	1170*710*1200	1700*810*1620	1700*810*1620	1700*810*1620	1880*910*1800	2000*980*1960
Weight	Kg	130	150	300	430	500	735	820	900	1150	1200

Note : 1. Nominal cooling capacity calculated according to : Inlet/outlet chilled fluid temperature : -20°C/-25°C. Inlet/outlet cooling water temperature: 25°C/30°C.

2. Working condition : The temperature range of chilled fluid is from -25°C to -5°C. Temperature difference between inlet and outlet chilled fluid is from 3°C to 8°C.

The temperature range of cooling water from 18°C to 35°C. Temperature difference between inlet and outlet cooling water is from 3.5°C to 10°C.

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