

CHL Series Specifications

MODEL	COOLING CAPACITY (1)				VOLTAGE	WATER INLET & OUTLET NPT	TOTAL INSTALLED POWER (2) KW	WATER PUMP HP	TANK CAPACITY GAL	DIMENSIONS INCHES			WEIGHT LBS
	60 HZ		50 HZ							H	W	D	
	TONS	BTU/H	TONS	BTU/H									
CHL0.6	0.6	6,824	0.5	5,687	230/1/60 220/1/50	½"	1.3	0.5	6	35	29	22	187
CHL1.1	1.1	12,966	0.9	10,805		½"	2.1	0.5	6	35	29	22	220
CHL1.6	1.6	19,108	1.3	15,923		½"	2.9	0.5	6	35	29	22	238
CHL2.0	2.0	23,885	1.7	19,904		½"	4.3	0.8	8	55	33	26	352
CHL2.7	2.7	32,893	2.3	27,411		½"	5.4	0.8	8	55	33	26	374
CHL3.6	3.6	43,675	3.0	36,396		1"	6.6	0.8	16	70	39	31	550
CHL4.6	4.6	56,983	3.8	47,486		1"	8.4	0.8	16	70	39	31	594
CHL6.1	6.1	73,702	5.1	61,418		1½"	10.5	1.5	42	81	50	39	1,078
CHL8.4	8.4	100,999	7.0	84,166		1½"	13.8	1.5	42	85	50	39	1,122
CHL10.3	10.3	123,520	8.6	102,933		1½"	16.7	1.5	42	85	50	39	1,144
CHL12.2	12.2	146,040	10.2	121,700	460/3/60 400/3/50	1½"	19.0	1.5	42	85	50	39	1,177
CHL16.8	16.8	201,999	14.0	168,333		1½"	26.5	3.0	77	85	76	39	1,562
CHL20.6	20.6	247,039	17.2	205,866		1½"	33.3	3.0	77	85	76	39	1,892
CHL24.3	24.3	292,079	20.3	243,399		2"	37.9	3.0	122	85	102	39	2,222
CHL28.0	28.0	335,755	23.3	279,796		2"	45.3	4.0	122	85	102	39	2,464
CHL31.6	31.6	379,430	26.3	316,192		3"	51.7	4.0	132	88	139	39	3,960
CHL39.8	39.8	477,700	33.2	398,083		3"	63.9	5.4	132	88	139	39	4,136
CHL46.1	46.1	552,767	38.4	460,639		3"	73.9	5.4	132	91	139	39	4,224
CHL56.0	56.0	671,510	46.7	559,592		4"	87.5	5.4	243	76	154	79	4,840
CHL63.2	63.2	758,860	52.7	632,383		4"	100.6	10.0	243	76	154	79	4,840
CHL79.6	79.6	955,400	66.3	796,167	4"	124.0	10.0	264	88	197	79	5,676	
CHL92.1	92.1	1,105,534	76.8	921,278	4"	147.4	10.0	264	88	197	79	5,940	
CHL104.6	104.6	1,255,668	87.2	1,046,390	4"	159.4	10.0	264	88	197	79	6,028	

TEMPERATURE °F	MIN	MAX
Inlet Water	32	86
Outlet Water	32	68
Ambient	23	108

For larger sizes and other voltages, please contact factory.

(1) Assumes 45°F cooling water supply, 55°F cooling water return and 95°F ambient temperature. For all other conditions, refer to the correction factors table below.

(2) Total nominal absorbed power by (all) compressor(s) at rated inlet conditions using the standard voltage power supply as applicable.

REFRIGERANT TYPE: R410A — CORRECTION FACTORS

	°F	30	40	45	50	55	60+
Water Outlet Temp	°F						
	Correction Factor	0.68	0.91	1	1.1	1.19	1.27
Ambient Temp	°F	75	85	90	95	100	105
	Correction Factor	1.18	1.11	1.04	1	0.96	0.92
Evaporator ΔT ³	°F	7	10	12	14	16	18
	Correction Factor	0.993	1.003	1.009	1.015	1.021	1.025
Condenser ΔT ⁴	°F	10	15	17.5	20	22.5	25
	Correction Factor	1	0.98	0.97	0.96	0.95	0.93
Ethylene Glycol	%	0	20	30	40	45	50
	Correction Factor	1	0.98	0.97	0.96	0.95	0.93

To be used as a guide only. Contact GDchiller.field.qcy@gardnerdenver.com for application and sizing assistance.

(3) Assumes no change to condenser inlet water temperature.

(4) Assumes no change to evaporator outlet water temperature.