

Commercial Titanium Cold Plunge Chiller

Standard Features

- U.L. Listed, EPA Compliant, Low GWP R454A eco-friendly condensing unit complies with latest codes
- Copeland scroll compressor with crankcase heater and freeze stat safety thermostat
- Suitable for outdoor installation in areas that remain above freezing
- Air cooled, high ambient, horizontal discharge condenser with head pressure control
- Water flow safety switch, with red No Flow light, locks out compressors on low flow to evaporator
- Refrigerant pressure safety switches locks out compressors on high and low pressures
- Oversized receiver with outlet shutoff valve and pressure safety
- Single point power connection into weather proof electrical panel
- Titanium coaxial tube-in-tube evaporator
- Liquid line specialties include externally equalized thermal expansion valve with liquid line solenoid valve, filter drier, and sight glass
- Non ferrous water lines wrapped in 1/2" closed cell insulation to minimize condensation
- System is factory leak checked, pressure tested, put under deep vacuum, charged with refrigerant, and run tested under load prior to shipment
- Warranty: One (1) years limited parts, five (5) years limited compressor warranty

Options & Accessories

- Condenser coil coating for corrosion protection in coastal areas
- Split system refrigeration with condensing unit outdoors and chiller indoors for areas below freezing
- Remote temperature controller
- Heated & insulated receiver in condensing unit for cold weather operation
- Other voltages and options available; consult the factory
- Factory authorized technician for startup, training & service



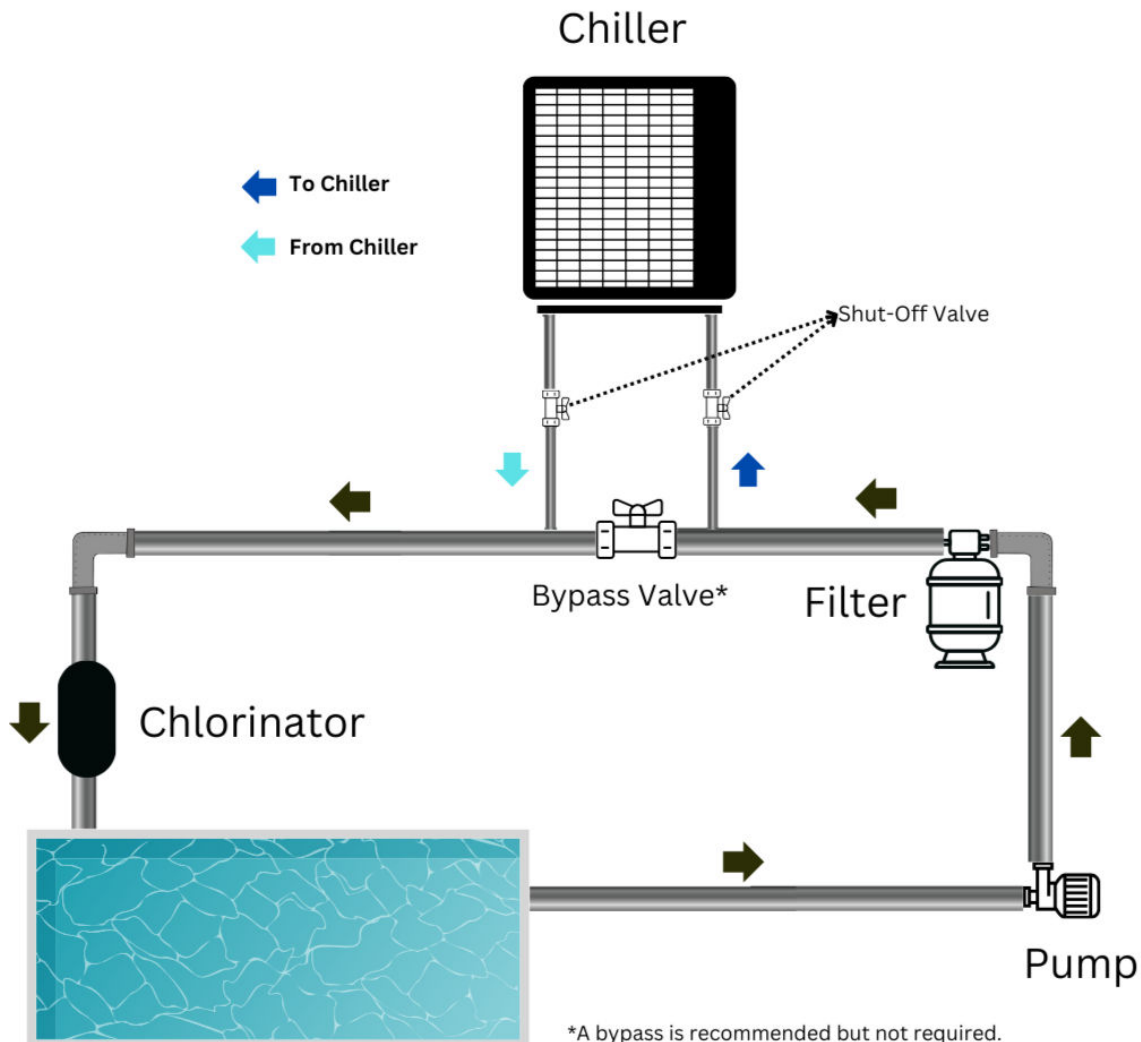
*Pictures are for reference; product appearance may vary

Plunge Pool Chiller Sizing Guide			
Pool Volume (Gallons)	Chiller Capacity	Chiller H.P. @ 50F LWT	Chiller H.P. @ 40F LWT
100 to 300	1 Ton	1.0	1.5
300 to 450	1-1/2 Ton	1.5	2.0
450 to 650	2 Ton	2.0	2.5
650 to 950	3 Ton	3.0	3.5
950 to 1,200	4 Ton	4.0	5.0
1,200 to 1,500	5 Ton	5.0	6.0
1,500 to 2,000	6 Ton	6.0	7.0
2,000 to 2,700	7 Ton	7.0	7.5
2,700 to 3,500	10 Ton	10.0	10.0

Consider Upsizing Chiller If...

- Piping runs are long, uninsulated or run under heated floors.
- Filter system adds heat
- Pool is used for long durations or repeatedly with minimum recovery time between usage.
- Pool is used for full body immersion
- Pool is in an outdoor or warm location
- Pool will be turned on/off with limited cool down period (may significantly increase chiller size - consult factory).

Our clients include many professional sports teams like the Oklahoma City Thunder, Denver Nuggets and Chicago Bears plus spa's, cruise ships and residences.



CPPCTI-R06 Series						
General Data						
Model (CPPC****TI-R06)	0151	0201	0301	0401	0501	
Nominal Tons Cooling	1.5	2	3	4	5	
Refrigerant	R454A	R454A	R454A	R454A	R454A	
Electrical Data						
Supply Power	Voltage	208-230	208-230	208-230	208-230	208-230
	Phase	1	1	1	1	1
	Frequency (Hz)	60	60	60	60	60
Compressor	Quantity	1	1	1	1	1
	Rated Load Amps (RLA)	12	15.7	23.2	26.1	31.1
	Locked Rotor Amps (LRA)	56	68	112	137	175
Fan Motor	Quantity	1	1	1	1	1
	Full Load Amps (FLA)	1.1	1.1	2.1	2.1	2.1
Total Circuit	Full Load Amps (FLA)	13.1	16.8	25.3	28.2	33.2
	Min Circuit Ampacity (MCA)	16.4	21.0	31.6	35.3	41.5
	Max Overcurr. Protect. (MOP)	25	35	50	60	70
Physical Data						
Outdoor Unit Size (in)	Length (L)	37	37	44	44	44
	Width (W)	31	31	33	33	33
	Height (H)	37	37	56	56	56
Weight (lb)	Operating	240	255	385	410	515
	Ship	380	400	550	602	800
Clearances (in)	Air Intake	20	20	30.5	30.5	30.5
	Air Discharge	40	40	33	33	33
	Service (Sides)	24	24	24	24	24
Connection (in)	Water (FPT)	1.5	1.5	2	2	2
Flow Rate (GPM)	Maximum Flow Rate	40	40	55	55	75
	Minimum Flow Rate	20	20	25	25	50

*All specs are subject to change without notice

CPPCTI-R06 Series							
General Data							
Model (CPPC****TI-R06)	0153	0203	0303	0403	0503	0753	
Nominal Tons Cooling	1.5	2	3	4	5	7.5	
Refrigerant	R454A	R454A	R454A	R454A	R454A	R454A	
Electrical Data							
Supply Power	Voltage	208-230	208-230	208-230	208-230	208-230	208-230
	Phase	3	3	3	3	3	3
	Frequency (Hz)	60	60	60	60	60	60
Compressor	Quantity	1	1	1	1	1	1
	Rated Load Amps (RLA)	9.7	10.6	15.2	20.5	22.1	35.5
	Locked Rotor Amps (LRA)	58	58	93	114	128	224
Fan Motor	Quantity	1	1	1	1	1	2
	Full Load Amps (FLA)	1.1	1.1	2.1	2.1	2.1	4.2
Total Circuit	Full Load Amps (FLA)	10.8	11.7	17.3	22.6	24.2	43.9
	Min Circuit Ampacity (MCA)	13.5	14.6	21.6	28.3	30.3	54.9
	Max Overcurr. Protect. (MOP)	20	20	35	40	50	80
Physical Data							
Outdoor Unit Size (in)	Length (L)	37	37	44	44	44	65.5
	Width (W)	31	31	33	33	33	36
	Height (H)	37	47	56	56	56	76
Weight (lb)	Operating	240	255	385	410	515	615
	Ship	380	400	550	602	800	920
Clearances (in)	Air Intake	20	20	30.5	30.5	30.5	42
	Air Discharge	31	31	33	33	33	36
	Service (Sides)	24	24	24	24	24	24
Connection (in)	Water (FPT)	1.5	1.5	2	2	2	2
Flow Rate (GPM)	Maximum Flow Rate	40	40	55	55	75	75
	Minimum Flow Rate	20	20	25	25	50	50

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CPPCTI-R06 Series					
General Data					
Model (CPPC****TI-R06)	0304	0404	0504	0754	
Nominal Tons Cooling	3	4	5	7.5	
Refrigerant	R454A	R454A	R454A	R454A	
Electrical Data					
Supply Power	Voltage	460	460	460	460
	Phase	3	3	3	3
	Frequency (Hz)	60	60	60	60
Compressor	Quantity	1	1	1	1
	Rated Load Amps (RLA)	6.9	9.4	9.6	15.2
	Locked Rotor Amps (LRA)	48	58	63	99
Fan Motor	Quantity	1	1	1	2
	Full Load Amps (FLA)	1.1	1.1	1.1	2.1
Total Circuit	Full Load Amps (FLA)	8	10.5	10.7	19.4
	Min Circuit Ampacity (MCA)	10.0	13.1	13.4	24.3
	Max Overcurr. Protect. (MOP)	15	20	20	35
Physical Data					
Outdoor Unit Size (in)	Length (L)	44	44	44	65.5
	Width (W)	33	33	33	36
	Height (H)	56	56	56	76
Weight (lb)	Operating	385	410	515	615
	Ship	550	602	800	920
Clearances (in)	Air Intake	30.5	30.5	30.5	42
	Air Discharge	33	33	33	36
	Service (Sides)	24	24	24	24
Connection (in)	Water (FPT)	2	2	2	2
Flow Rate (GPM)	Maximum Flow Rate	55	55	75	75
	Minimum Flow Rate	25	25	50	50

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