
Commercial Quiet Cold Plunge Chiller

Standard Features

- U.L. Listed, EPA Compliant, Low GWP R454A eco-friendly condensing unit complies with latest codes
- Galvanized steel cabinet with high gloss powder coat finish
- 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
- Oversized receiver with outlet shutoff valve and pressure safety
- Single point power connection into weather proof electrical panel
- Cupronickel 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
- Titanium heat exchanger for saltwater pools and continuous filtration
- Remote temperature control
- 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

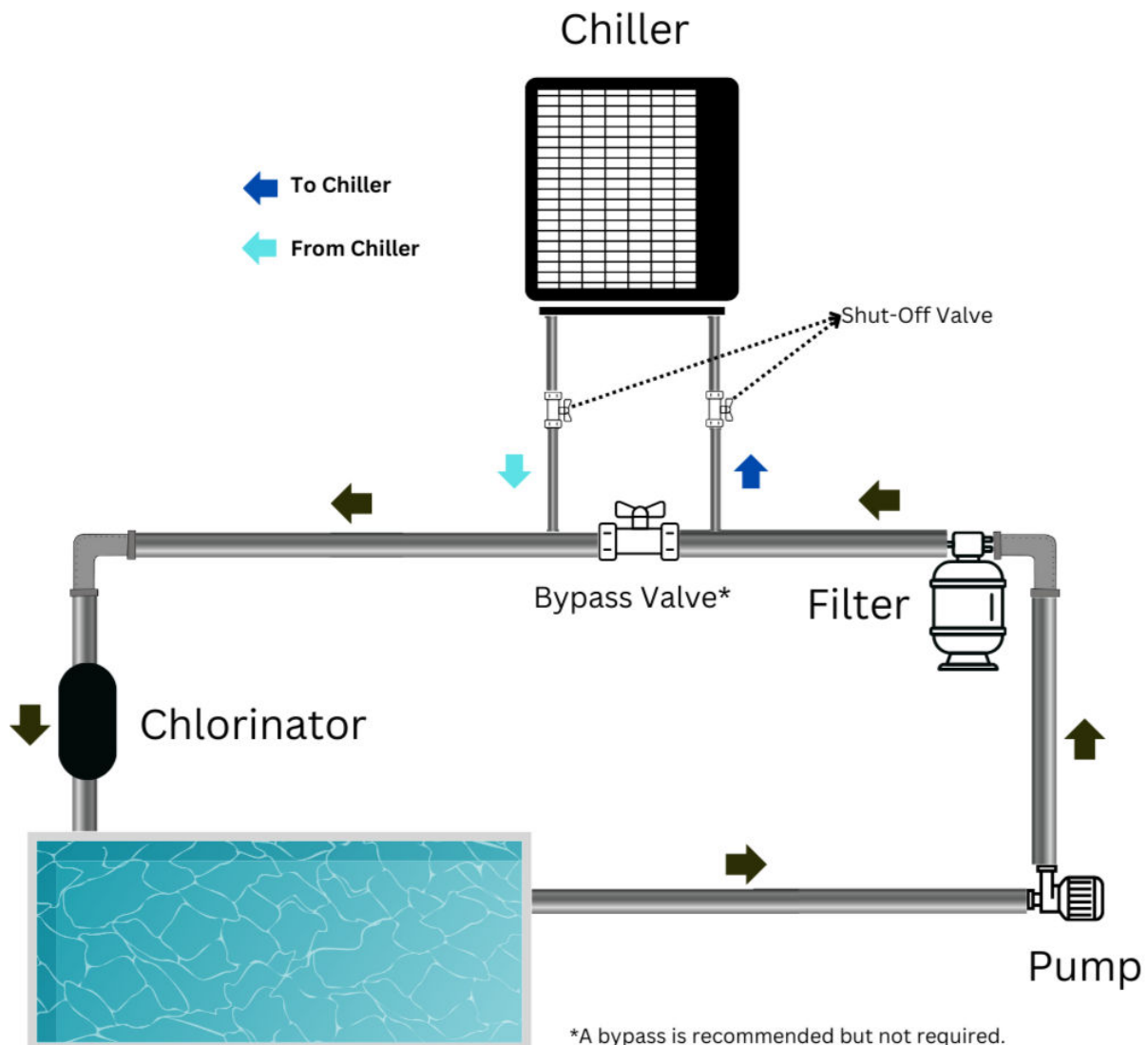


Plunge Pool Chiller Sizing Guide			
Pool Volume (Gallons)	Chiller Capacity	Chiller H.P @ 50F LWT	Chiller H.P. @ 50F LWT
100 to 300	1 Ton	1.0	1.5
300 to 450	1-1/2 Ton	1.5	2.0
450 to 650	2 Ton	2.0	2.5
650 to 950	3 Ton	3.0	3.5
950 to 1,200	4 Ton	4.0	5.0
1,200 to 1,500	5 Ton	5.0	6.0
1,500 to 2,000	6 Ton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



*A bypass is recommended but not required.

CPPC KQ-R06 Series						
General Data						
Model (CPPC****KQ-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	2	2
	Full Load Amps (FLA)	1.7	1.7	1.7	1.7	1.7
Total Circuit	Full Load Amps (FLA)	13.7	17.4	24.9	29.5	34.5
	Min Circuit Ampacity (MCA)	17.1	21.8	31.1	36.9	43.1
	Max Overcurr. Protect. (MOP)	25	35	50	60	70
Physical Data						
Outdoor Unit Size (in)	Length (L)	19	19	19	19	19
	Width (W)	48.5	48.5	48.5	48.5	48.5
	Height (H)	29.5	29.5	29.5	52	52
Weight (lb)	Dry	320	325	340	495	530
	Ship	425	430	470	700	750
Air Clearance (in)	Service	24	24	24	24	24
	Air Discharge	29.5	29.5	29.5	52	52
	Air Intake	6	6	6	6	6
Connection (in)	Water (FPT)	3/4	3/4	1	1	1
Sound	dBA @ 10ft	56	56	58	58	59
Flow Rate (GPM)	Maximum Flow Rate	7.5	10	15	20	25
	Minimum Flow Rate	3.6	4.8	7.2	9.6	12

*All specs are subject to change without notice

CPPC KQ-R06 Series						
General Data						
Model (CPPC****KQ-R06)	0153	0203	0303	0403	0503	
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	3	3	3	3	3
	Frequency (Hz)	60	60	60	60	60
Compressor	Quantity	1	1	1	1	1
	Rated Load Amps (RLA)	9.7	10.6	15.2	20.5	22.1
	Locked Rotor Amps (LRA)	58	58	93	114	115
Fan Motor	Quantity	1	1	1	2	2
	Full Load Amps (FLA)	1.7	1.7	1.7	1.7	1.7
Total Circuit	Full Load Amps (FLA)	11.4	12.3	16.9	23.9	25.5
	Min Circuit Ampacity (MCA)	14.3	15.4	21.1	29.9	31.9
	Max Overcurr. Protect. (MOP)	20	25	35	45	50
Physical Data						
Outdoor Unit Size (in)	Length (L)	19	19	19	19	19
	Width (W)	48.5	48.5	48.5	48.5	48.5
	Height (H)	29.5	29.5	29.5	52	52
Weight (lb)	Dry	320	325	340	495	530
	Ship	425	430	470	700	750
Air Clearance (in)	Service	24	24	24	24	24
	Air Discharge	29.5	29.5	29.5	52	52
	Air Intake	6	6	6	6	6
Connection (in)	Water (FPT)	3/4	3/4	1	1	1
Sound	dBA @ 10ft	56	58	58	58	59
Flow Rate (GPM)	Maximum Flow Rate	7.5	10	15	20	25
	Minimum Flow Rate	3.6	4.8	7.2	9.6	12

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CPPC KQ-R06 Series				
General Data				
Model (CPPC****KQ-R06)	0304	0404	0504	
Nominal Tons Cooling	3	4	5	
Refrigerant	R454A	R454A	R454A	
Electrical Data				
Supply Power	Voltage	460	460	460
	Phase	3	3	3
	Frequency (Hz)	60	60	60
Compressor	Quantity	1	1	1
	Rated Load Amps (RLA)	6.9	9.4	9.6
	Locked Rotor Amps (LRA)	48	58	63
Fan Motor	Quantity	1	2	2
	Full Load Amps (FLA)	0.9	0.9	0.9
Total Circuit	Full Load Amps (FLA)	7.8	11.2	11.4
	Min Circuit Ampacity (MCA)	9.8	14.0	14.3
	Max Overcurr. Protect. (MOP)	15	20	20
Physical Data				
Outdoor Unit Size (in)	Length (L)	19	19	19
	Width (W)	48.5	48.5	48.5
	Height (H)	29.5	52	52
Weight (lb)	Dry	340	495	530
	Ship	470	700	750
Air Clearance (in)	Service	24	24	24
	Air Discharge	29.5	52	52
	Air Intake	6	6	6
Connection (in)	Water (FPT)	1	1	1
Sound	dBA @ 10ft	58	58	59
Flow Rate (GPM)	Maximum Flow Rate	15	20	25
	Minimum Flow Rate	7.2	9.6	12

*All specs are subject to change without notice