

COLD PLUNGE CHILLER

1.5-7.5 Ton CPPCKEZTI-Split Titanium Series

Standard Features

- EPA Compliant, R-407c refrigeration suitable for outdoors installation
- Copeland scroll compressor with crankcase heater and freeze stat safety thermostat
- Air cooled, high ambient, horizontal discharge condenser with head pressure control
- Oversized receiver with outlet shutoff valve and pressure safety
- Split chiller; outdoor condensing unit with indoor heat exchanger cabinet (requires a line set to be provided and installed by a refrigeration contractor to connect the two units together).
- Single point power connection into weather proof electrical panel
- Single phase line voltage monitor
- 240 vac control circuit with digital, electronic thermostat, compressor anti, short-cycle time delay, water flow safety switch lockout, high and low refrigeration pressure safety lockout switches, compressor anti short-cycle timer
- Titanium evaporator for saltwater resistance
- Liquid line specialties include externally equalized thermal expansion valve with liquid line solenoid valve, filter drier, and sight glass
- Non ferrous water lines with 2" FPT connections are wrapped in 1/2" closed cell insulation to minimize condensation
- System is factory leak checked, pressure tested, put under a deep vacuum, charged with refrigerant, and functionally tested prior to shipment
- Warranty: One (1) years limited parts, five (5) years limited compressor warranty.
- Ships crated to protect during shipping

Options & Accessories

- Condenser coil coating for corrosion protection in coastal areas
- Other voltages and options available; consult the factory



Indoor Heat Exchanger



Outdoor Condensing Unit

| Plunge Pool Chiller Sizing Guide | | | |
|----------------------------------|------------------|------------------------|------------------------|
| Pool Volume (Gallons) | Chiller Capacity | Chiller H.P. @ 50F LWT | Chiller H.P. @ 45F 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 |

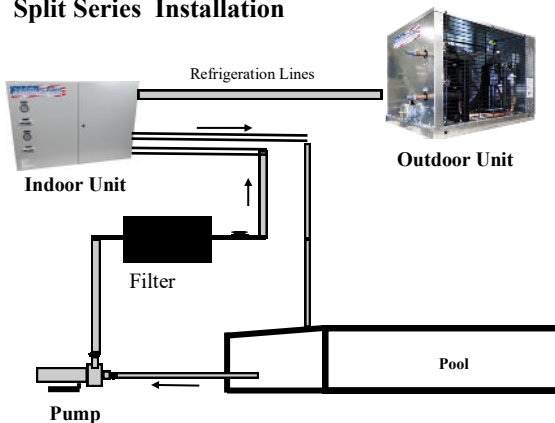
Consider Upsizing Chiller If...

- 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).

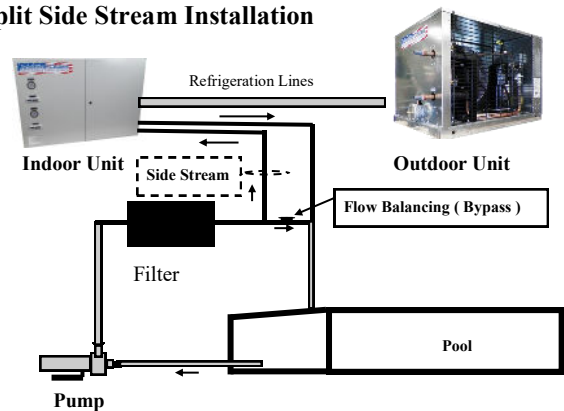
Our clients include many professional sports teams like the Oklahoma City Thunder, Denver Nuggets and Chicago Bears plus spa's, cruise ships and residences.

Typical Site Installations

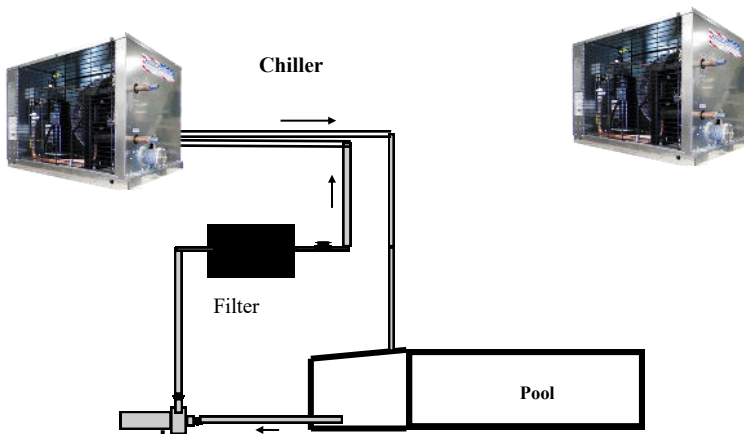
Split Series Installation



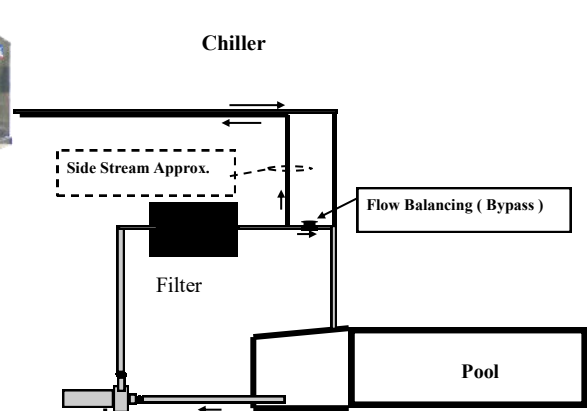
Split Side Stream Installation



Series Installation



Side Stream Installation



| General Data | | CPPC TI-Split Series | | | | | | | | | | | | | | | |
|-----------------------------|------------------------------|----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|-------|--------|-----|
| Model (i.e. CPPC0151) | | 0151 | 0201 | 0301 | 0401 | 0501 | 0153 | 0203 | 0303 | 0403 | 0503 | 0753 | 0304 | 0404 | 0504 | 0754 | |
| Nominal Tons Cooling | | 1.5 | 2 | 3 | 4 | 5 | 1.5 | 2 | 3 | 4 | 5 | 7.5 | 3 | 4 | 5 | 7.5 | |
| Refrigerant | | R407C | R407C | R407C | R407C | R407C | R407C | R407C | R407C | R407C | R407C | R407C | R407C | R407C | R407C | R407C | |
| Electrical Data | | | | | | | | | | | | | | | | | |
| Supply Power | Voltage | 208-230 | 208-230 | 208-230 | 208-230 | 208-230 | 208-230 | 208-230 | 208-230 | 208-230 | 208-230 | 208-230 | 208-230 | 460 | 460 | 460 | 460 |
| | Phase | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | Frequency (Hz) | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 |
| Compressor | Quantity | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Rated Load Amps (RLA) | 12 | 15.7 | 23.2 | 26.1 | 31.1 | 9.7 | 10.6 | 15.2 | 20.5 | 22.1 | 39.3 | 6.1 | 7.5 | 9.6 | 17.3 | |
| | Locked Rotor Amps (LRA) | 56 | 68 | 112 | 137 | 175 | 58 | 58 | 93 | 114 | 128 | 225 | 39 | 47.5 | 63 | 114 | |
| Fan Motor | Quantity | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | |
| | Full Load Amps (FLA) | 1.1 | 1.1 | 2.1 | 2.1 | 2.1 | 1.1 | 1.1 | 2.1 | 2.1 | 2.1 | 4.2 | 1.1 | 1.1 | 1.1 | 2.2 | |
| Total Circuit | Full Load Amps (FLA) | 13.1 | 16.8 | 25.3 | 28.2 | 33.2 | 10.8 | 11.7 | 17.3 | 22.6 | 24.2 | 47.7 | 7.2 | 8.6 | 10.7 | 21.7 | |
| | Min Circuit Ampacity (MCA) | 16.1 | 20.7 | 31.1 | 34.7 | 41 | 13.2 | 14.4 | 21.1 | 27.7 | 29.7 | 53.3 | 8.7 | 10.5 | 13.1 | 23.8 | |
| | Max Overcur. Protect. (MOP) | 25 | 35 | 50 | 60 | 70 | 20 | 25 | 35 | 45 | 50 | 90 | 15 | 15 | 20 | 40 | |
| Physical Data | | | | | | | | | | | | | | | | | |
| Outdoor Unit Size (in) | Length (L) | 37 | 37 | 44 | 44 | 44 | 37 | 37 | 44 | 44 | 44 | 65-1/2 | 44 | 44 | 44 | 65-1/2 | |
| | Width (W) | 31 | 31 | 33 | 33 | 33 | 31 | 31 | 33 | 33 | 33 | 36 | 33 | 33 | 33 | 36 | |
| | Height (H) | 20 | 20 | 30.5 | 30.5 | 30.5 | 20 | 20 | 30.5 | 30.5 | 30.5 | 42 | 30.5 | 30.5 | 30.5 | 42 | |
| Indoor Unit Size (in) | Length (L) | 28 | 28 | 28 | 28 | 44 | 28 | 28 | 28 | 28 | 44 | 48 | 28 | 28 | 44 | 48 | |
| | Width (W) | 24 | 24 | 24 | 24 | 32 | 24 | 24 | 24 | 24 | 32 | 32 | 24 | 24 | 32 | 32 | |
| | Height (H) | 32 | 32 | 32 | 32 | 35 | 32 | 32 | 32 | 32 | 35 | 35 | 32 | 32 | 34 | 34 | |
| Weight (lb) | Outdoor | 314 | 330 | 440 | 450 | 455 | 314 | 330 | 440 | 450 | 455 | 550 | 440 | 450 | 455 | 550 | |
| | Indoor | 155 | 160 | 175 | 185 | 320 | 155 | 160 | 175 | 185 | 320 | 350 | 175 | 185 | 320 | 350 | |
| | Ship | 670 | 695 | 823 | 850 | 1015 | 670 | 695 | 823 | 840 | 1015 | 1150 | 823 | 840 | 1015 | 1150 | |
| Air Clearance Required (in) | Sides | 31 | 31 | 33 | 33 | 33 | 31 | 31 | 33 | 33 | 33 | 36 | 33 | 33 | 33 | 36 | |
| | Air Intake | 20 | 20 | 30.5 | 30.5 | 30.5 | 20 | 20 | 30.5 | 30.5 | 30.5 | 42 | 30.5 | 30.5 | 30.5 | 42 | |
| | Air Discharge | 40 | 40 | 61 | 61 | 61 | 40 | 40 | 61 | 61 | 61 | 84 | 61 | 61 | 61 | 84 | |
| Connection Sizes | Water (FPT) | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | Refrig. Liquid Line OD (in) | 3/8 | 3/8 | 1/2 | 1/2 | 1/2 | 3/8 | 3/8 | 1/2 | 1/2 | 1/2 | 5/8 | 1/2 | 1/2 | 1/2 | 5/8 | |
| | Refrig. Suction Line OD (in) | 7/8 | 7/8 | 7/8 | 1-1/8 | 1-1/8 | 7/8 | 7/8 | 7/8 | 1-1/8 | 1-1/8 | 1-3/8 | 7/8 | 1-1/8 | 1-1/8 | 1-3/8 | |