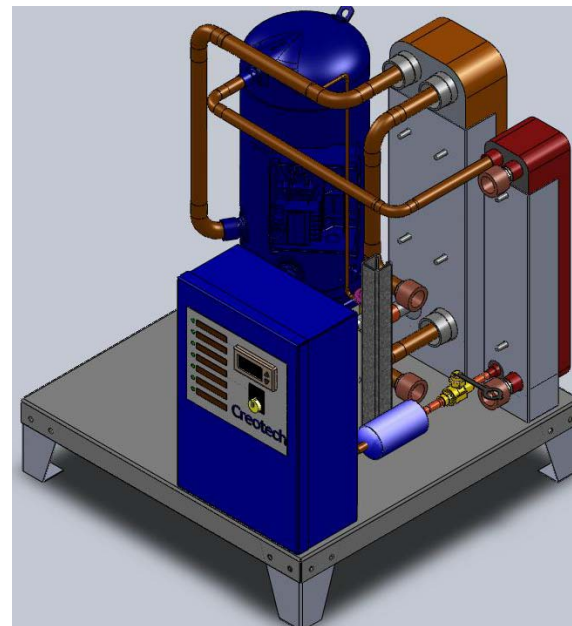
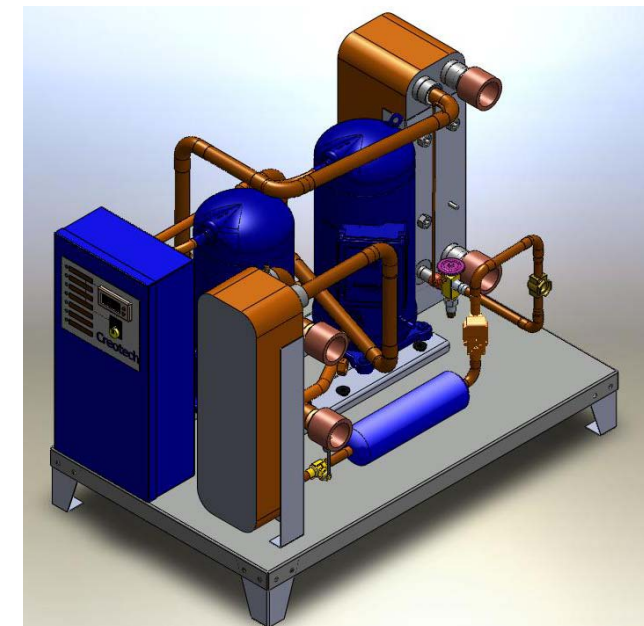




SPECIFICATION & DATA SHEET  
**CHILLER**  
 CZW, CTW, CZR & CTR  
 WATER COOLED &  
 REMOTE AIR-COOLED



SINGLE & TANDEM  
 WATER-COOLED CHILLER  
 LAYOUT SHOWN



**SPECIFICATIONS:**

Chiller with tandem scroll compressors manifolded together and brazed plate cond & evap.

Control logic lead/lag each compressor to the operating set point.

**Nominal sizes**

- o 2.5-30 TR Single compressor, single circuit
- o 10-30 TR Dual compressor, single circuit
- Remote air-cooled and water-cooled systems
- Hot Gas By-pass
- Flow Switches
- Refrigerant – 410
- Voltages 3 phase 208/230, 460 and 575:

**Options**

- Isolation valves
  - Air-cooled Condenser
  - Low Ambient Control Kit
  - Head Pressure control valve
  - Vibration isolator
  - Sheet metal Housing
  - Support Legs
- Options - Elec**
- Phase detection
  - Hours of operation
  - Non-fused Disconnect
  - CSA approval

**Water side**

- Y-Strainer
- 2-way control valve
- Isolation valves

Model	Nom. Tons	Rated Capacity				THR		575V/3/60		Water Flow Ratings		Evaporator		Condenser		Remote A/C Condenser		Unit Size (inches)	
		A/C		W/C		A/C		RLAbr	dBA max	Evap. GPM	Cond. GPM	Water In MPT	Water Out MPT	Water In MPT	Water Out MPT	Line Sizes (ODS, ACR)		Length IN (mm)	Width IN (mm)
		kbtuh	kW	kbtuh	kW	kbtuh	kW									Disch.	Liquid Line		
<b>SINGLE COMPRESSORS</b>																			
CZ025	2.5	28.3	8.3	30.5	8.9	36.9	10.8	3.8	74	5.6	7.6	3/4	3/4	3/4	3/4	1/2	3/8	28 (711)	28 (711)
CZ035	3.5	37	10.8	40	11.7	49.4	14.5	4.8	76	7.5	10	1	1	1	1	1/2	3/8	28 (711)	28 (711)
CZ050	5	56	16.4	60.5	17.7	72.6	21.3	7.4	79	11.2	15.1	1	1	1	1	5/8	3/8	28 (711)	28 (711)
CZ060	6	66	19.3	70.5	20.7	85.3	25.0	7.9	80	13.2	17.5	1	1	1	1	5/8	3/8	28 (711)	28 (711)
CZ075	7.5	82	24.0	87.5	25.6	106.1	31.1	12.2	79	16.4	21.8	1-1/4	1-1/4	1-1/4	1-1/4	5/8	3/8	28 (711)	28 (711)
CZ085	8.5	95	27.8	102	29.9	122.0	35.7	12.2	82	25.2	25.2	1-1/4	1-1/4	1-1/4	1-1/4	5/8	1/2	28 (711)	28 (711)
CZ100	10	113	33.0	121.5	35.6	143.7	42.1	12.5	84	22.5	29.8	1-1/4	1-1/4	1-1/4	1-1/4	3/4	1/2	28 (711)	28 (711)
CZ110	11	124	36.3	133	39.0	159.1	46.6	14.7	85	24.8	32.8	1-1/4	1-1/4	1-1/4	1-1/4	3/4	1/2	28 (711)	28 (711)
CZ125	12.5	141	41.3	151	44.3	180.9	53.0	19.9	85	37.3	37.4	1-1/4	1-1/4	1-1/4	1-1/4	3/4	1/2	28 (711)	28 (711)
CZ150	15	167	48.9	178	52.2	213.7	62.6	23.7	87	33.4	44	1-1/2	1-1/2	1-1/2	1-1/2	7/8	1/2	28 (711)	28 (711)
CZ200	20	213	62.4	229	67.1	273.4	80.1	24.6	92	42.6	56.7	2	2	2	2	7/8	5/8	42 (1067)	28 (711)
CZ240	24	268	78.6	287	84.1	344.4	101.0	34.7	95	53.6	71.1	2	2	2	2	1-1/8	5/8	42 (1067)	28 (711)
CZ320	32	351	102.9	376	110.2	450.0	131.9	49.4	94	70.2	93	2-1/2	2-1/2	2-1/2	2-1/2	1-1/8	5/8	42 (1067)	28 (711)
<b>TANDEM COMPRESSORS</b>																			
CT100	10T	110	32.2	119	34.9	143.3	42.0	148	82	22	29.7	1-1/4	1-1/4	1-1/4	1-1/4	3/4	1/2	28 (711)	28 (711)
CT120	12T	128	37.5	138	40.4	166.6	48.8	15.8	80	25.6	34.4	1-1/4	1-1/4	1-1/4	1-1/4	3/4	1/2	28 (711)	28 (711)
CT150	15T	164	48.1	175	51.3	212.1	62.2	24.4	81	32.8	43.6	1-1/2	1-1/2	1-1/2	1-1/2	7/8	1/2	42 (1067)	28 (711)
CT175	17.5T	190	55.7	203	59.5	244.3	71.6	24.4	85	38	50.2	1-1/2	1-1/2	1-1/2	1-1/2	7/8	5/8	42 (1067)	28 (711)
CT200	20T	221	64.8	238	69.8	284.1	83.3	25	88	44.2	58.8	2	2	2	2	7/8	5/8	42 (1067)	28 (711)
CT220	22T	247	72.4	266	78.0	317.6	93.1	29.4	88	49.4	65.8	2	2	2	2	1-1/8	5/8	42 (1067)	28 (711)
CT250	25T	280	82.1	300	87.9	360.2	105.6	39.8	88	56	74.4	2	2	2	2	1-1/8	5/8	42 (1067)	28 (711)
CT300	30T	332	97.3	355	104.1	425.5	124.7	47.4	90	66.4	87.9	2-1/2	2-1/2	2-1/2	2-1/2	1-1/8	5/8	42 (1067)	28 (711)

Operating Conditions Water-cooled: Water 54F/44F, 105F SCT, 36F "SST Air-cooled: Water 54F/44F, 115F SCT, 36F SST