

AIR COOLED MODULAR CHILLERS
GENERAL SPECIFICATIONS OF AIR COOLED STANDARD MODELS

MODEL NUMBER	V010TZV ⁴	V010DZV ⁴	V015TZV	V015DZV	V020TZV	V020DZV	V025DZV	V030DZV	V035DZV
Nominal Capacity (tons) ¹	10	10	15	15	20	20	25	30	35
Refrigeration Circuits	1	2	1	2	1	2	2	2	2
Refrigerant Type	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
COMPRESSOR	ZP61KCE		ZP90KCE		ZP120KCE		ZP154KCE	ZP182KCE	ZP235KC
Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	2	Scroll
Quantity	Tandem	2	Tandem	2	Tandem	2	2	2	2
Weight (each)(lbs)	105	105	150	150	160	160	165	170	386
Nominal HP (per compressor) (hp)	5.0	5.0	7.5	7.5	10.0	10.0	13.0	15.0	20.0
Power (kW)	5.2	5.2	7.5	7.5	9.8	9.8	12.4	14.5	18.7
EVAPORATOR	B3-113-38-4.5		B3-113-50-4.5		B3-113-62-4.5		B3-113-74-4.5	B3-113-86-4.5	B3-113-98-4.5
Heat Exchanger (type)	Brazed Plate	Brazed Plate	Brazed Plate	Brazed Plate	Brazed Plate	Brazed Plate	Brazed Plate	Brazed Plate	Brazed Plate
Quantity	Dual	1	Dual	1	Dual	1	1	1	1
Weight (each) (lbs)	47	47	57	57	67	67	77	87	97
Max. Working Refrigeration Pressure(PSI)	650	650	650	650	650	650	650	650	650
Max. Working Water Pressure (PSI)	300	300	300	300	300	300	300	300	300
Water Storage Volume (gal)	0.8	0.8	1.06	1.06	1.31	1.31	1.57	1.82	2.07
Water Storage Volume in 4" Headers (gal)	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74
Flow Rate (GPM)	24.6	24.6	37.9	37.9	51.2	51.2	61.6	72.0	82.4
Water dP (PSI)	2.62	2.62	3.43	3.43	4.23	4.23	4.31	4.38	4.27
Header Water Connections (inch) ²	4	4	4	4	4	4	4	4	4
CONDENSER COILS									
Quantity	Dual	1	Dual	1	Dual	1	2	2	2
Max. Working Refrigeration Pressure (PSI)	700	700	700	700	700	700	700	700	700
Fin Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Tube Material	Copper	Copper	Copper	Copper	Copper	Copper	Copper	Copper	Copper
Tube Diameter (inch)	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Number of Rows	3	3	3	3	3	3	4	5	6
CONDENSER FANS									
Fan Type	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial
Motor Type	Totally Enclosed	Totally Enclosed	Totally Enclosed	Totally Enclosed	Totally Enclosed	Totally Enclosed	Totally Enclosed	Totally Enclosed	Totally Enclosed
Quantity	1	1	1	1	1	1	2	2	2
HP (hp)	2	2	2	2	2	2	2	2	2
Air flow (CFM)	5,000	5,000	5,000	5,000	5,000	5,000	10,000	10,000	10,000
Fan Speed (RPM)	850	850	850	850	850	850	1140	1140	1140
DIMENSIONS (inch)	84 x 34 ½ x 51 ½	84 x 34 ½ x 51 ½	84 x 34 ½ x 51 ½	84 x 34 ½ x 51 ½	84 x 34 ½ x 87	84 x 34 ½ x 87	84 x 34 ½ x 87	84 x 34 ½ x 87	84 x 34 ½ x 92
WEIGHT (lbs)	1,500	1,500	1,600	1,600	2,040	2,040	2,050	2,200	2,650

Notes:

1. Tonnage rating conditions: 44 °F leaving chilled water temperature, 2.4 GPM per ton through the evaporator with a fouling factor of 0.0001, 95 °F entering condenser air temperature, 120°F condenser temperature.
2. Main water header connections are Ø4" with grooved connections for SCH 40 steel pipe, Ø6" available.
3. Unit shipping weight includes refrigerant charge and packaging.
4. TZV-Tandem Scrolls, DZV-Dual Scrolls chillers.