

**WATER COOLED MODULAR CHILLERS**  
**GENERAL SPECIFICATIONS OF WATER COOLED STANDARD MODELS**

MODEL NUMBER	W010DZV	W015DZV	W020DZV	W025DZV	W030DZV	W040DZV	W045DZV	W050DZV	W070DZV
Nominal Capacity (tons) <sup>1</sup>	10	15	20	25	30	40	45	50	70
Refrigeration Circuits	2	2	2	2	2	2	2	2	2
Refrigerant Type	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant Charge (lbs)	5.0	7.0	8.0	10.0	12.0	16.0	23.0	24.0	27.0
COMPRESSOR	ZP61KCE	ZP90KCE	ZP120KCE	ZP154KCE	ZP182KCE	ZP235KCE	ZP285KCE	ZP295KCE	ZP385KCE
Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Quantity	2	2	2	2	2	2	2	2	2
Weight (lbs)	105	150	160	165	170	386	450	414	452
Nominal Hp	5.0	7.5	10.0	13.0	15.0	20.0	22.5	25.0	30.0
Power (kW)	4.1	6.0	7.7	10.0	11.7	15.2	17.7	19.1	24.8
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	B3-113-110-4.5	B3-210-66-4.0	B3-210-70-4.0	B3-210-98-4.0
Heat Exchanger (type)	Brazed Plate	Brazed Plate	Brazed Plate	Brazed Plate	Brazed Plate	Brazed Plate	Brazed Plate	Brazed Plate	Brazed Plate
Quantity	1	1	1	1	1	1	1	1	1
Weight (lbs)	47	57	67	77	87	107	145	152	202
Max. Working Refrigeration Pressure (PSI)	650	650	650	650	650	650	580	580	580
Max. Working Water Pressure (PSI)	300	300	300	300	300	300	300	300	300
Water Storage Volume (gal)	0.8	1.06	1.31	1.57	1.82	2.32	3.49	3.70	5.18
Water Storage Volume in 6" Headers (gal)	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
Flow Rate (GPM)	24.6	37.9	51.2	61.6	72.0	92.75	108	116	160
Water dP (PSI)	2.62	3.43	4.23	4.31	4.38	4.15	4.2	4.31	4.23
Water Header Connections (inch) <sup>2</sup>	6	6	6	6	6	6	6	6	6
CONDENSER	B3-113-46-4.5	B3-113-66-4.5	B3-113-86-4.5	B3-113-106-4.5	B3-113-126-4.5	B3-113-166-4.5	B3-210-102-4.0	B3-210-110-4.0	B3-210-146-4.0
Heat Exchanger (type)	Brazed Plate	Brazed Plate	Brazed Plate	Brazed Plate	Brazed Plate	Brazed Plate	Brazed Plate	Brazed Plate	Brazed Plate
Quantity	1	1	1	1	1	1	1	1	1
Weight (lbs)	53	70	87	104	121	154	209	223	286
Max. Working Refrigeration Pressure (PSI)	650	650	650	650	650	650	580	580	580
Max. Working Water Pressure (PSI)	300	300	300	300	300	300	300	300	300
Water Storage Volume (gal)	0.97	1.40	1.82	2.24	2.66	3.51	5.39	5.81	7.71
Water Storage Volume in 6" Headers (gal)	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
Flow Rate (GPM)	30.2	47.15	64.1	76.25	88.4	114	133	142	200
Water dP (PSI)	2.68	3.12	3.56	3.44	3.31	3.51	2.74	2.69	2.95
Water Header Connections (inch) <sup>2</sup>	6	6	6	6	6	6	6	6	6
DIMENSIONS (inch)	48 ½ x 24 ½ x 60	48 ½ x 24 ½ x 60	48 ½ x 24 ½ x 60	48 ½ x 24 ½ x 60	48 ½ x 24 ½ x 60	48 ½ x 24 ½ x 72	48 ½ x 24 ½ x 72	48 ½ x 24 ½ x 72	48 ½ x 24 ½ x 72
WEIGHT (lbs) <sup>3</sup>	1,060	1,170	1,220	1,260	1,300	1,770	2,010	2,030	2,220

**Notes:**

1. Tonnage rating conditions: 44 °F leaving chilled water temperature, 85 °F entering condenser water temperature, flow rates are 3.0GPM per ton through the condenser with a fouling factor of 0.00025 and 2.4 GPM per ton through the evaporator with a fouling factor of 0.0001.
2. Main water header connections are Ø6" with grooved connections for SCH 40 steel pipe, recommended flow rates in 450 to 650 GPM.
3. Unit shipping weight includes refrigerant charge and packaging.