

WATER COOLED MODULAR CHILLERS
GENERAL SPECIFICATIONS OF WATER COOLED STANDARD MODELS

MODEL NUMBER	W010DZW	W015DZW	W020DZW	W025DZW	W030DZW	W040DZW	W050DZW	W070DZW
Nominal Capacity (tons) ¹	10	15	20	25	30	40	50	70
Refrigeration Circuits	2	2	2	2	2	2	2	2
Refrigerant Type	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C
Refrigerant Charge (lbs)	4.0	6.0	8.0	10.0	12.0	16.0	18.0	26.0
COMPRESSOR	ZR61KCE	ZR94KCE	ZR125KCE	ZR160KCE	ZR190KCE	ZR250KCE	ZR300KCE	ZR380KCE
Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Quantity	2	2	2	2	2	2	2	2
Weight (lbs)	105	150	158	165	170	370	415	445
Nominal Hp	5.0	8.0	10.0	13.0	15.0	20.0	25.0	30.0
Power (kW)	3.8	6.0	8.0	10.0	12.4	15.8	19.1	24.0
EVAPORATOR	B3-113-22-3.0	B3-113-30-3.0	B3-113-42-3.0	B3-113-50-3.0	B3-113-58-3.0	B3-113-78-3.0	B3-113-90-3.0	B3-210-66-3.0
Heat Exchanger (type)	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
Weight (lbs)	33	40	50	57	63	80	90	145
Max. Working Refrigeration Pressure (PSI)	435	435	435	435	435	435	435	435
Max. Working Water Pressure (PSI)	300	300	300	300	300	300	300	300
Water Storage Volume (gal)	0.46	0.63	0.89	1.06	1.22	1.65	1.90	3.48
Water Storage Volume in 6" Headers (gal)	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
Flow Rate (GPM)	21.5	32.5	46.1	58.1	70.1	91.4	106.3	143.91
Water dP (PSI)	5.77	7.04	7.25	8.04	8.83	8.52	8.80	7.68
Water Header Connections (inch) ²	6	6	6	6	6	6	6	6
CONDENSER	B3-113-42-3.0	B3-113-62-3.0	B3-113-86-3.0	B3-113-108-3.0	B3-113-130-3.0	B3-113-166-3.0	B3-113-202-3.0	B3-210-130-3.0
Heat Exchanger (type)	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
Weight (lbs)	50	67	87	105	124	154	184	258
Max. Working Refrigeration Pressure (PSI)	435	435	435	435	435	435	435	435
Max. Working Water Pressure (PSI)	300	300	300	300	300	300	300	300
Water Storage Volume (gal)	0.89	1.31	1.81	2.28	2.74	3.50	4.26	6.86
Water Storage Volume in 6" Headers (gal)	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
Flow Rate (GPM)	26.8	40.62	57.3	72.2	87.0	113.4	137.0	177.4
Water dP (PSI)	2.4	2.57	2.72	2.85	2.98	3.38	3.69	3.49
Water Header Connections (inch) ²	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
WEIGHT (lbs) ³	1,020	1,140	1,180	1,220	1,260	1,700	1,880	2,120

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.