

WATER COOLED MODULAR CHILLERS
GENERAL SPECIFICATIONS OF WATER COOLED STANDARD MODELS

MODEL NUMBER	W060SSW	W070SSW	W080SSW	W090SSW	W100SSW	W120SSW	W140SSW
Nominal Capacity (tons) ¹	60	70	80	90	100	120	140
Refrigeration Circuits	1	1	1	1	1	1	1
Refrigerant Type	R407C	R407C	R407C	R407C	R407C	R407C	R407C
Refrigerant Charge (lbs)	43	52	59	66	85	95	110
COMPRESSOR	SCH2 - 600E	SCH2 - 700E	SCH2 - 800E	SCH2 - 900E	SCH2 - 11HE	SCH2 - 12HE	SCH2 - 14HE
Type	Screw	Screw	Screw	Screw	Screw	Screw	Screw
Quantity	1	1	1	1	1	1	1
Weight (lbs)	716	1076	1085	1103	1753	1766	1788
Nominal Hp	60	70	80	90	100	120	140
Power (kW)	44.1	50.6	59.5	66.9	79.8	92.7	104.7
EVAPORATOR	B3-210-60-3.0	B3-210-72-3.0	B3-210-82-3.0	B3-210-92-3.0	B3-210-120-3.0	B3-210-134-3.0	B3-210-150-3.0
Heat Exchanger (type)	Brazed Plate	Brazed Plate	Brazed Plate	Brazed Plate	Brazed Plate	Brazed Plate	Brazed Plate
Quantity	1	1	1	1	1	1	1
Weight (lbs)	135	156	173	191	240	265	293
Max. Working Refrigeration Pressure (PSI)	435	435	435	435	435	435	435
Max. Working Water Pressure (PSI)	300	300	300	300	300	300	300
Water Storage Volume (gal)	3.17	3.80	4.33	4.86	6.34	7.08	7.93
Water Storage Volume in 6" Headers (gal)	6.00	6.00	6.00	6.00	6.00	6.00	6.00
Flow Rate (GPM)	119.5	144	164	195	236	267	284
Water dP (PSI)	6.15	6.25	6.32	6.51	6.47	6.76	6.76
Water Header Connections (inch) ²	6	6	6	6	6	6	6
CONDENSER	B3-210-94-3.0	B3-210-112-3.0	B3-210-128-3.0	B3-210-144-3.0	B3-210-180-3.0	B3-210-200-3.0	B3-210-240-3.0
Heat Exchanger (type)	Brazed Plate	Brazed Plate	Brazed Plate	Brazed Plate	Brazed Plate	Brazed Plate	Brazed Plate
Quantity	1	1	1	1	1	1	1
Weight (lbs)	194	226	254	282	346	381	451
Max. Working Refrigeration Pressure (PSI)	435	435	435	435	435	435	435
Max. Working Water Pressure (PSI)	300	300	300	300	300	300	300
Water Storage Volume (gal)	4.97	5.92	6.76	7.61	9.51	10.57	12.68
Water Storage Volume in 6" Headers (gal)	6.00	6.00	6.00	6.00	6.00	6.00	6.00
Flow Rate (GPM)	149.5	178.3	204.3	231.2	291	330	354
Water dP (PSI)	4.29	4.48	4.70	4.98	5.68	6.37	6.37
Water Header Connections (inch) ²	6	6	6	6	6	6	6
DIMENSIONS (inch)	58 x 34 1/8 x 70	64 x 34 1/8 x 72	64 x 34 1/8 x 72	64 x 34 1/8 x 72	72 x 40 1/8 x 76	78 x 40 1/8 x 76	78 x 40 1/8 x 76
WEIGHT (lbs) ³	2,500	2,950	3,020	3,100	4,060	4,220	4,340

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 GP.
3. Unit shipping weight includes refrigerant charge and packaging.