

## CONDENSERLESS MODULAR CHILLERS

### GENERAL SPECIFICATIONS OF CONDENSERLESS STANDARD MODELS

MODEL NUMBER	WCL015DZY		WCL020DZY		WCL025DZY		WCL030DZY		WCL040DZY		WCL050DZY		WCL070DZY	
Nominal Capacity (tons) <sup>1</sup>	15		20		25		30		40		50		70	
Refrigeration Circuits	2		2		2		2		2		2		2	
Refrigerant Type	R134A		R134A		R134A		R134A		R134A		R134A		R134A	
Refrigerant Charge (equipment only) <sup>4</sup>	2.6		3.3		4.0		4.8		6.1		6.8		10.8	
Receiver Capacity (lbs)	19		19		19		19		19		19		19	
COMPRESSOR	ZR94KCE		ZR125KCE		ZR160KCE		ZR190KCE		ZR250KCE		ZR300KCE		ZR380KCE	
Type	Scroll		Scroll		Scroll		Scroll		Scroll		Scroll		Scroll	
Quantity	2		2		2		2		2		2		2	
Weight (lbs)	150		158		165		170		370		415		445	
Nominal Hp	8		10.0		13.0		15.0		20.0		25.0		30.0	
Power (kW)	4		5.3		6.9		8.2		10.8		12.4		15.9	
EVAPORATOR	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	
Quantity	1		1		1		1		1		1		1	
Weight (lbs)	40		50		57		63		80		90		145	
Max. Working Refrigeration Pressure (PSI)	435		435		435		435		435		435		435	
Max. Water Refrigeration Pressure (PSI)	300		300		300		300		300		300		300	
Water Storage Volume (gal)	0.63		0.89		1.06		1.22		1.65		1.9		3.48	
Water Storage Volume in 6" Headers (gal)	6.00		6.00		6.00		6.00		6.00		6.00		6.00	
Flow Rate (GPM)	32.5		46.1		58.1		70.1		91.4		106.3		143.9	
Water dP (PSI)	7.04		7.25		8.04		8.83		8.52		8.8		7.68	
Header Water Connections (inch) <sup>2</sup>	6		6		6		6		6		6		6	
Interconnecting Refrigerant Piping <sup>3</sup>	50'	100'	50'	100'	50'	100'	50'	100'	50'	100'	50'	100'	50'	100'
Discharge Line Size	1 1/8	1 3/8	1 1/8	1 3/8	1 3/8	1 3/8	1 3/8	1 5/8	1 3/8	1 5/8	1 5/8	2 1/8	2 1/8	2 1/8
Liquid Line Size	3/4	7/8	7/8	7/8	7/8	1 1/8	7/8	1 1/8	1 1/8	1 3/8	1 1/8	1 3/8	1 3/8	1 3/8
DIMENSIONS (inch)	48 1/2 x 24 1/2 x 60		48 1/2 x 24 1/2 x 60		48 1/2 x 24 1/2 x 60		48 1/2 x 24 1/2 x 60		48 1/2 x 24 1/2 x 72		48 1/2 x 24 1/2 x 72		48 1/2 x 24 1/2 x 72	
WEIGHT (lbs) <sup>6</sup>	1,030		1,070		1,080		1,080		1,510		1,660		1,780	

**Notes:**

1. Tonnage rating conditions: 44 °F leaving chilled water temperature, flow rates are 2.4 GPM per ton through the evaporator with a 0.0001 fouling factor.
2. Main water header connections are Ø6" with grooved connections for SCH 40 steel pipe, recommended flow rates in 450 to 650 GPM.
3. Pipe sized based on 50' run length and 100' run length.
4. Field refrigerant charge: equipment charge + receiver charge + piping charge.
5. Condenserless model shipped with holding charge of nitrogen, will require field charging with freon.
6. Unit shipping weight includes refrigerant charge and packaging.