

**WATER COOLED CONDENSING UNITS**  
**GENERAL SPECIFICATIONS OF WATER COOLED CONDENSING UNITS**

MODEL NUMBER	WCU060SSW		WCU070SSW		WCU080SSW		WCU090SSW		WCU100SSW		WCU120SSW		WCU140SSW	
Nominal Capacity (tons) <sup>1</sup>	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 (equipment only) <sup>4</sup>	25.1		30.4		34.3		38.2		48.6		54.3		64.4	
Receiver Capacity (lbs)	60		60		60		60		60		60		60	
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	
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)	Braze Plate		Braze Plate		Braze Plate		Braze Plate		Braze Plate		Braze Plate		Braze 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. Water Refrigeration 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	
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'
Suction Line Size														
Liquid Line Size														
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) <sup>6</sup>	2,150		2,570		2,610		2,690		3,600		3,650		3,750	

**Notes:**

1. Tonnage rating conditions: 85 °F entering condenser water temperature, flow rates are 3.0GPM per ton through the condenser with a fouling factor of 0.00025.
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. Condensing unit shipped with holding charge of nitrogen, will require field charging with freon.
6. Unit shipping weight includes refrigerant charge and packaging.