

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

MODEL NUMBER	VX010DZV	VX015DZV	VX020DZV	VX025DZV	VX030DZV	VX035DZV	VX050DZV	VX060DZV	VX070DZV
Nominal Capacity (tons) <sup>1</sup>	10	15	20	25	30	35	50	60	70
Refrigeration Circuits	2	2	2	2	2	2	2	2	2
Refrigerant Type	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
<b>COMPRESSOR</b>									
Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Quantity	2	2	2	2	2	2	2	2	2
Weight (each)(lbs)	105	150	160	165	170	330	350	355	355
Nominal HP (per compressor)	5	7.5	10	13	15	20	25	30	35
Power (kW)	5.2	7.5	9.8	12.4	14.5	21.0	24.6	30.7	34.1
<b>EVAPORATOR</b>									
	B3-113-46-4.5	B3-113-62-4.5	B3-113-90-4.5	B3-113-90-4.5	B3-113-134-4.5	B3-113-166-4.5	B3-210-82-4	B3-210-102-4	B3-210-114-4
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 (each) (lbs)	47	57	67	77	87	97	77	213	220
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	1.31	1.90	1.90	2.75	3.51	5.80	7.2	8.5
Water Storage Volume in 6" Headers (gal)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Water dP (psi)	1.73	2.12	2.17	3.24	2.28	2.52	3.80	4.15	4.19
Flow Rate (gpm)	24.0	36.0	51.8	63.8	76.0	96.0	122.5	158.0	175.5
Water Header (inch) <sup>2</sup>	4 (6)	4 (6)	4 (6)	4 (6)	4(6)	4 (6)	6	6	6
<b>CONDENSER COILS</b>									
	C12.5T	C20T	C25T	C15T	C20T	C25T	C15T	C20T	C25T
Type	Micro-channel	Micro-channel	Micro-channel	Micro-channel	Micro-channel	Micro-channel	Micro-channel	Micro-channel	Micro-channel
Quantity	1	1	1	2	2	2	2	4	4
Weight (each) (lbs)	44	85	91	62	85	91	62	85	91
<b>CONDENSER FANS</b>									
Type	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
Quantity	1	1   2	2	2	2	2	4	4	4
Rated HP	1	2   1	1½	2	2	2	2	2	2
Nominal RPM	850	1140   850	850	1140	1140	1140	1140	1140	1140
Nominal CFM	7,500	12,000	15,000	24,000	24,000	25,000	48,000	48,000	50,000
<b>DIMENSIONS (L" x W" x H")</b>									
	82 x 40 x 81½	82 x 40 x 81½	82 x 40 x 81½	82 x 40 x 81½	82 x 40 x 81½	82 x 40 x 81½	82 x 40 x 86½	82 x 80 x 86½	82 x 80 x 86½
<b>WEIGHT (lbs) <sup>3</sup></b>									
	1,250	1,400   1,480	1,550	1,580	1,700	2,100	3,050	3,200	3,200

**Notes:**

1. Tonnage rating conditions: 44 °F leaving chilled water temperature, 95 °F entering condenser air temperature, flow rates are 2.4 GPM per ton through the evaporator with a fouling factor of 0.0001.
2. Main water header connections are ø4" with grooved connections for SCH 40 steel pipe, ø6" available.
3. Unit shipping weight includes refrigerant charge and packaging.
4. Sound level: 850 RPM 1/8 – 70dB(A) Spherical – 60 dB(A)  
1140 RPM 1/8 – 70dB(A) Spherical – 61dB(A)