

MAXI-MIZER PORTABLE CHILLERS

GENERAL SPECIFICATIONS OF WATER COOLED MAXI-MIZER PORTABLE STANDARD MODELS (5 – 40 TON)

MODEL NUMBER	WCP-5 ²	WCP-7.5 ²	WCP-10 ²	WCP-15 ²	WCP-20 ²	WCP-10D ²	WCP-15D ²	WCP-20D ²	WCP-25D ²	WCP-30D ²	WCP-40D ²
Capacity											
Plant Air Temp: 95° F											
Leaving Water Temp:											
45°F (7.2 °C)	4.8	6.9	9.6	14.1	18.1	9.6	13.8	19.2	21.4	28.2	36.2
50°F (10°C)	5.3	7.6	10.5	15.5	20.0	10.6	15.2	21.0	23.6	31.0	40.0
55°F (12°C)	5.8	8.4	11.5	17.0	22.1	11.6	16.8	23.0	25.6	34.0	44.2
Refrigeration Circuits	1	1	1	1	1	2	2	2	2	2	2
Refrigerant Type	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Compressor	ZP61KCE	ZP90KCE	ZP120KCE	ZP182KCE	ZP235KCE	ZP61KCE	ZP90KCE	ZP120KCE	ZP137KCE	ZP182KCE	ZPT235 KCE
Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Quantity	1	1	1	1	1	Dual	Dual	Dual	Dual	Dual	Dual
Nominal HP(per compressor)	5.0	7.5	10.0	15.0	20.0	5.0	7.5	10.0	12.0	15.0	20.0
Condenser											
Quantity	1	1	1	1	1	1	1	1	1	1	1
Flow Rate (gpm)	15	23	30	45	60	30	45	60	75	90	120
(m ³ / hr)	3.4	5.2	6.6	10.1	13.5	6.6	10.1	13.5	16.9	20.3	27.0
Evaporator											
Quantity	1	1	1	1	1	1	1	1	1	1	1
Chiller Flow (gpm)	13	18	25	37	48	25	37	50	57	74	96
(m ³ / hr)	2.9	4.1	5.4	8.3	10.8	5.4	8.3	11.3	12.8	16.7	21.6
Pump - HP	1	1½	2	3	5	2	3	5	5	5	7.5
Tank Volume (gal)	20.0	20.0	20.0	45.0	45.0	20.0	45.0	45.0	60.0	60.0	90.0
Chiller Connections (inch)	1½	1½	1½	2	2	1½	2	2	2	2½	2½
(cm)	38.1	38.1	38.1	50.8	50.8	38.1	50.8	50.8	50.8	50.8	50.8
Min. Circuit Ampacity											
208 - 220 / 1 / 60	38										
208 - 230 / 3 / 60	28	39	47	79	104	49	70	84	122	141	186
460 / 3 / 60	15	19	26	39	43	26	33	46	48	69	77
575 / 3 / 60	11	14	19	34	35	20	25	33	38	60	63
Max. Dual Element Fuse											
208 - 220 / 1 / 60	45										
208 - 230 / 3 / 60	35	50	60	100	125	60	80	100	150	150	200
460 / 3 / 60	15	20	30	45	50	30	35	50	50	80	90
575 / 3 / 60	15	15	20	40	40	20	30	35	40	70	70
DIMENSIONS (L" x W" x H")	24 x 48 x 78½	24 x 48 x 78½	24 x 48 x 78½	34½ x 80 x 88½	34½ x 80 x 88½	24 x 48 x 78½	34½ x 80 x 88½	34½ x 80 x 88½	34½ x 80 x 88½	34½ x 80 x 88½	34½ x 80 x 88½
WEIGHT (lbs) ³	650	720	770	950	1,030	780	880	1,100	1,040	1,050	1,070

Notes:

- Capacity rating conditions: 50 °F leaving chilled water temperature, 85 °entering condenser temperature, flow rates are 3.0 GPM 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.
- WCP - *** - Single scroll chiller, WCP - ***D – Dual scroll compressor.
- Unit shipping weight includes refrigerant charge and packaging.
- Capacities, Dimensions and Weights are approximate and can change without notice.