

MAXI-MIZER PORTABLE CHILLERS

GENERAL SPECIFICATIONS OF AIR COOLED MAXI-MIZER PORTABLE STANDARD MODELS (3 – 30 TON)

MODEL NUMBER	ACP- 3 ²	ACP- 5 ²	ACP- 7.5 ²	ACP- 10 ²	ACP- 15 ²	ACP- 20 ²	ACP- 10D ²	ACP- 15D ²	ACP- 20D ²	ACP- 25D ²	ACP- 30D ²	ACP- 35D ²
Capacity												
Plant Air Temp: 95° F												
Leaving Water Temp:												
45°F (7.2 °C)	2.5	4.3	6.4	8.6	13.0	16.6	8.6	12.8	17.2	22.2	26.0	33.2
50°F (10 °C)	2.8	4.8	7.1	9.5	14.3	18.3	9.6	14.2	19.0	24.4	28.6	36.6
55°F (12 °C)	3.1	5.3	7.8	10.5	15.8	20.3	10.6	15.6	21.0	26.8	31.6	40.6
Refrigeration Circuits	1	1	1	1	1	1	2	2	2	2	2	2
Refrigerant Type	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Compressor	ZP36K3E	ZP61KCE	ZP90KCE	ZP120KCE	ZP182KCE	ZP235KCE	ZP61KCE	ZP90KCE	ZP120KCE	ZP154KCE	ZP182KCE	ZP235KCE
Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Quantity	1	1	1	1	1	1	Dual	Dual	Dual	Dual	Dual	Dual
Nominal HP(per compressor)	3.0	5.0	7.5	10.0	15.0	20.0	5.0	7.5	10.0	13.0	15.0	17.5
Condenser Coils	C5T	C7.5T	C10T	C12.5T	C20T	C25T	C12.5T	C20T	C25T	C15T	C25T	C25T
Quantity	1	1	1	1	1	1	1	1	1	2	2	2
Condenser Fans Motor												
Quantity	1	1	1	1	2 (1)*	2	1	2	2	2	2	2
Type	Blower	Blower	Blower	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
RPM	1750	1750	1750	850	850 (1140)*	850	850	850	850	1140	1140	1140
Rated HP	½	1	1½	1½	1½ (2)*	1½	1½	1½	1½	2	2	2
Nominal CFM	2,400	4,000	5,250	7,500	12,000	15,000	7,500	12,000	15,000	24,000	24,000	24,000
Pump - HP	1	1	1½	2	3	3	2	3	3	5	5	7 ½
Tank Volume (gal)	6	20	20	20	45	45	20	45	45	60	60	60
Chiller Flow (gpm)	7	12	17	23	34	44	23	34	46	59	69	88
(m ³ / hr)	1.6	2.7	3.9	5.2	7.7	10.0	5.2	7.7	10.4	13.4	15.6	19.9
Chiller Connections (inch)	1 ¼	1½	1½	1½	2	2	1½	2	2	2	2½	2½
(cm)	3.2	3.8	3.8	3.8	5.1	5.1	3.8	5.1	5.1	5.1	6.4	6.4
Min. Circuit Ampacity												
208 - 220 / 1 / 60	32	39										
208 - 230 / 3 / 60	29	38	54	61	94	120	62	97	107	157	168	214
460 / 3 / 60	14	20	28	33	46	51	32	49	57	72	82	91
575 / 3 / 60	12	16	23	24	40	41	25	40	42	62	71	73
Max. Dual Element Fuse												
208 - 220 / 1 / 60	35	45										
208 - 230 / 3 / 60	35	45	70	70	125	150	70	125	125	175	200	250
460 / 3 / 60	15	25	30	40	60	60	35	60	60	80	90	100
575 / 3 / 60	15	20	25	30	45	50	30	45	45	70	80	80
DIMENSIONS (L" x W" x H")	48½ x 32 x 68	48½ x 32 x 68	48½ x 32 x 80	48½ x 40x 83½	82 x 40 x 69	82 x 40 x 69	82 x 40 x 69	82 x 40 x 69	82 x 40 x 69	82 x 40 x 89	82 x 40 x 89	82 x 40 x 89
WEIGHT (lbs) ³	850	910	1,000	1,150	1,470	1,700	1,350	1,670	1,700	1,850	1,980	2,430

Notes:

- Capacity rating conditions: 50 °F leaving chilled water temperature, 95 °F entering condenser temperature, flow rates are 2.4 GPM per ton through the evaporator with a fouling factor of 0.0001.
 - ACP - *** - Single scroll chiller, ACP - ***D - Dual scroll chiller.
 - Unit shipping weight includes refrigerant charge and packaging.
 - Capacities, Dimensions and Weights are approximate and can change without notice.
- * - Optional