



## COPPER-FIN II<sup>®</sup> POOL HEATER PRODUCT SUMMARY

(CP) 500,000 - 2,070,000 BTU/HR

	CP-502	CP-652	CP-752	CP-0992	CP-1262	CP-1442	CP-1802	CP-2072
<b>WATER</b>								
GALLON CAPACITY	1.7	1.9	2.0	3.4	3.7	4.1	4.5	4.8
HEATING SURFACE (SQ. FT.)	59.0	76.8	88.1	96.0	120.2	144.0	176.0	200.0
WATER CONNECTIONS	2"	2"	2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"
DRAIN	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
WATER FLOW RATE (GPM)	55	55	55	90	90	90	113	113
HEAD LOSS (FT. OF HD.)	6.5	6.7	6.8	5.8	6.6	7.2	8.4	9.2
MAX. WORKING PRESSURE (PSI)	160	160	160	160	160	160	160	160
MAX. WATER HARDNESS (GRAINS)	25	25	25	25	25	25	25	25
# OF RELIEF VALVES	1	1	1	1	1	1	1	2
RELIEF VALVE SIZE	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
RELIEF VALVE RATING (MBH)	1,912	1,912	1,912	1,912	1,912	1,912	1,912	1,912
RELIEF VALVE PRESSURE RATING (PSI)	150	150	150	150	150	150	150	150
RELIEF VALVE TEMPERATURE RATING (°F)	210	210	210	210	210	210	210	210
<b>GAS</b>								
INLET CONNECTION	1-1/4"	1-1/4"	1-1/4"	2"	2"	2"	2"	2"
MAX. INLET PRESSURE, NAT	14" w.c.	14" w.c.	14" w.c.	14" w.c.	14" w.c.	14" w.c.	14" w.c.	14" w.c.
MIN. INLET PRESSURE, NAT	4.5" w.c.	4.5" w.c.	4.5" w.c.	4.5" w.c.	4.5" w.c.	4.5" w.c.	4.5" w.c.	4.5" w.c.
MANIFOLD PRESSURE, NAT	1.8" w.c.	1.8" w.c.	1.8" w.c.	1.2" w.c.	1.2" w.c.	1.2" w.c.	1.2" w.c.	1.2" w.c.
MAX. INLET PRESSURE, LP	14" w.c.	14" w.c.	14" w.c.	14" w.c.	14" w.c.	14" w.c.	14" w.c.	14" w.c.
MIN. INLET PRESSURE, LP	8.0" w.c.	8.0" w.c.	8.0" w.c.	8.0" w.c.	8.0" w.c.	8.0" w.c.	8.0" w.c.	8.0" w.c.
MANIFOLD PRESSURE, LP	4.6" w.c.	4.6" w.c.	4.6" w.c.	4.6" w.c.	4.6" w.c.	4.6" w.c.	4.6" w.c.	4.6" w.c.
BTU/HR INPUT	500,000	650,000	750,000	990,000	1,260,000	1,440,000	1,800,000	2,070,000
BTU/HR OUTPUT	425,000	552,500	637,500	841,500	1,071,000	1,224,000	1,530,000	1,759,500
<b>ELECTRICAL</b>								
VOLTAGE / HEATER	120	120	120	120	120	120	120	120
VOLTAGE / PUMP	120	120	120	120	120	120	120	120
VOLTAGE/CONTROL	24	24	24	24	24	24	24	24
TOTAL AMPS (INCLUDES PUMP)	12.1	14.6	14.6	17.9	17.9	21.4	21.4	21.4
# OF ELECTRICAL CONNECTIONS	2	2	2	2	2	2	2	2
<b>DIMENSIONS</b>								
HEIGHT	31-1/2"	31-1/2"	31-1/2"	36"	36"	36"	36"	36"
WIDTH (BYPASS NOT INCLUDED)	45-1/2"	56-3/4"	64"	48-1/4"	58-1/2"	68-1/4"	82-1/4"	92-1/2"
DEPTH	22-1/4"	22-1/4"	22-1/4"	33-1/2"	33-1/2"	33-1/2"	33-1/2"	33-1/2"
<b>SERVICE CLEARANCES</b>								
FRONT	30"	30"	30"	30"	30"	30"	30"	30"
BACK	3"	3"	3"	3"	3"	3"	3"	3"
RIGHT SIDE	3"	3"	3"	3"	3"	3"	3"	3"
LEFT SIDE (PIPING)	24"	24"	24"	24"	24"	24"	24"	24"
TOP	3"	3"	3"	3"	3"	3"	3"	3"
<b>VENTING</b>								
SIZE	6"	8"	8"	10"	12"	12"	14"	14"
VENT CATEGORY	I	I	I	I	I	I	I	I
VENT MATERIAL	B-VENT	B-VENT	B-VENT	B-VENT	B-VENT	B-VENT	B-VENT	B-VENT
MAXIMUM DRAFT	-0.08" w.c.	-0.08" w.c.	-0.08" w.c.	-0.08" w.c.	-0.08" w.c.	-0.08" w.c.	-0.08" w.c.	-0.08" w.c.
MINIMUM DRAFT	-0.02" w.c.	-0.02" w.c.	-0.02" w.c.	-0.02" w.c.	-0.02" w.c.	-0.02" w.c.	-0.02" w.c.	-0.02" w.c.

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CP-PS-03 (Replaces CP-PS-02)

6/11-Printed in U.S.A.