

# CHILLTECH

## HEAT EXCHANGER

Ice Maker Capacity (lbs/day)	400	600	800	1000	1200	1800	2400
Actual Daily Production using mfg's 90-70 specs (lbs/day)**	330	460	700	820	1075	1350	1875
Annual Ice Production (lbs)	120,450	167,900	255,500	299,300	392,375	492,750	684,375

### Make 30% More ICE!

ChillTech iceBooster decreases cycle time by average of 30%

Extra Ice Production (lbs/day)	99	138	210	246	322.5	405	562.5
Increased Ice Production (lbs/year)	36,135	50,370	76,650	89,790	117,713	147,825	205,313
Value of Additional Ice @ \$0.01/lb	\$ 361.35	\$ 503.70	\$ 766.50	\$ 897.90	\$ 1,177.13	\$ 1,478.25	\$ 2,053.13

### How much more ice can you make?

Current Daily Ice Production  x 0.3 x 365 =  lbs

### Save Electricity!

Make more Ice with 30% less energy

Typical kWh to produce 100 lbs of Ice	8.5	8.3	6.1	5.9	5.7	6.1	5.6
kWh Usage per day (daily production / 100 * kWh per 100)	28.05	38.18	42.7	48.38	61.275	82.35	105
Annual Cost of Electricity Usage (at \$.10 per kWh)*	\$ 1,023.83	\$ 1,393.57	\$ 1,558.55	\$ 1,765.87	\$ 2,236.54	\$ 3,005.78	\$ 3,832.50
Annual Savings of 30%	\$ 307.15	\$ 418.07	\$ 467.57	\$ 529.76	\$ 670.96	\$ 901.73	\$ 1,149.75

### How much can you save?

$$\frac{\text{Total Elec Bill } \boxed{\phantom{000}}}{\text{kWh used } \boxed{\phantom{000}}} \times \left( \frac{\text{Daily Ice Production } \boxed{\phantom{000}}}{100} \times \frac{\text{kWh}}{\text{per 100lbs}} \right) \times 0.3 \times 365 = \$ \boxed{\phantom{000}}$$



\* Check your electric bill - divide total cost by kWh for actual kWh costs. Stated rate does not include misc. costs and fees

\*\* Ice productions are general manufacturer's ranges. Check yours. Field conditions, air and water temp. determine actual production increases  
Check each manufacturers kWh specs for actual numbers - divide 24 hour production by 100

= values to be inserted for your calculation