

Commercial Ice Machine Specifications

Air-Cooled Ice Cube Machines Efficiency Specifications (effective 01/01/2006)

Equipment Type	Harvest Rate (lbs ice/day)	Tier	Corresponding Base Specification	Energy Use Limit (kWh/100lbs Ice)	Potable Water Use Limit (gal./100lbs Ice)
Ice-Making Head	<450	1	Approximately FEMP	10.26 - 0.0086H	-----
		2	10% below Tier 1	9.23 - 0.0077H	≤25
		3	15% below Tier 1	8.72 - 0.0073H	≤20
	≥450	1	Approximately FEMP	6.89 - 0.0011H	-----
		2	10% below Tier 1	6.20 - 0.0010H	≤25
		3	15% below Tier 1	5.86 - 0.0009H	≤20
Remote-Condensing without remote compressor	<1000	1	Approximately FEMP	8.85 - 0.0038H	-----
		2	9% below Tier 1	8.05 - 0.0035H	≤25
		3	15% below Tier 1	7.52 - 0.0032H	≤20
	≥1000	1	Approximately FEMP	5.10	-----
		2	9% below Tier 1	4.64	≤25
		3	15% below Tier 1	4.34	≤20
Remote-Condensing with remote compressor	<934	1	Approximately FEMP	8.85 - 0.0038H	-----
		2	9% below Tier 1	8.05 - 0.0035H	≤25
		3	15% below Tier 1	7.52 - 0.0032H	≤20
	≥934	1	Approximately FEMP	5.30	-----
		2	9% below Tier 1	4.82	≤25
		3	15% below Tier 1	4.51	≤20
Self-Contained	<175	1	Approximately FEMP	18.0 - 0.0469H	-----
		2	7% below Tier 1	16.7 - 0.0436H	≤35
		3	15% below Tier 1	15.3 - 0.0399H	≤30
	≥175	1	Approximately FEMP	9.80	-----
		2	7% below Tier 1	9.11	≤35
		3	15% below Tier 1	8.33	≤30

*Federal Energy Management Program specification

H = Ice Harvest Rate (lbs ice/day)
Test Method ARI 810-2003

Commercial Ice Machine Specifications

Water-Cooled Ice Cube Machines Efficiency Specifications (effective 01/01/2006)

This specification is valid only for water-cooled ice machines using a closed loop system or a system with a remote evaporative condenser, i.e. cooling tower. Once-through or pass through cooling systems are not promoted in this specification.

Equipment Type	Harvest Rate (lbs ice/day)	Tier	Corresponding Base Specification	Energy Use Limit (kWh/100lbs Ice)	Potable Water Use Limit (gal/100lbs Ice)	Condenser Use Limit (gal/100lbs Ice)
Ice-Making Head	<500	1	Approximately FEMP	7.80 – 0.0055H	-----	200 - 0.022H
		2	10% below Tier 1	7.02 – 0.0049H	≤25	See Footnote ¹
		3	15% below Tier 1	6.63 – 0.0047H	≤20	See Footnote ¹
	≥500	1	Approximately FEMP	5.58 – 0.0011H	-----	200 - 0.022H
		2	8% below Tier 1 ¹	5.13 – 0.0010H	≤25	See Footnote ¹
		3	15% below Tier 1	4.74 – 0.0009H	≤20	See Footnote ¹
	≥1436	1	Approximately FEMP	4.00	-----	200 - 0.022H
		2	8% below Tier 1	3.68	≤25	See Footnote ¹
		3	15% below Tier 1	3.40	≤20	See Footnote ¹
Self-Contained	<200	1	Approximately FEMP	11.4 – 0.0190H	-----	191 – 0.0315H
		2	7% below Tier 1	10.6 – 0.0177H	≤35	See Footnote ¹
		3	15% below Tier 1	9.69 – 0.0162H	≤30	See Footnote ¹
	≥200	1	Approximately FEMP	7.6	-----	191 – 0.0315H
		2	7% below Tier 1	7.07	≤35	See Footnote ¹
		3	15% below Tier 1	6.46	≤30	See Footnote ¹

*Federal Energy Management Program specification

H = Ice Harvest Rate (lbs ice/day)
Test Method ARI 810-2003

¹ Condenser use is no longer limited since this specification only promotes water-cooled machines installed on a closed loop or remote evaporative condenser system.