

DIN EN ISO 6369:2024-01 (E)

Ice makers for commercial use - Classification, requirements and test conditions (ISO 6369:2023)

Contents		Page
	European foreword	3
	Foreword.....	4
1	Scope	5
2	Normative references	5
3	Terms and definitions	5
3.1	Types of appliances.....	5
3.2	Type of condenser cooling.....	6
3.3	Type of ice.....	6
3.4	Type of production.....	6
4	Measurement of energy consumption, water consumption and ice production capacity	7
4.1	General.....	7
4.2	Test room.....	7
4.3	Ambient temperature.....	8
4.4	Water supply.....	8
4.5	Location of unit in test room.....	9
4.6	Power supply.....	9
4.7	Set-up and operation of the ice maker.....	9
4.7.1	Ice maker set-up.....	9
4.7.2	Ice maker operation.....	9
4.8	Accuracy of measurement and instrumentation.....	9
4.9	Test procedure.....	10
4.9.1	Simultaneous tests.....	10
4.9.2	Stabilization.....	10
4.9.3	Ice sampling.....	10
4.10	Recording.....	10
4.10.1	General.....	10
4.10.2	Ice production capacity test.....	11
4.10.3	Water consumption test.....	11
4.10.4	Energy consumption test.....	11
4.11	Calculations.....	11
4.11.1	Ice production capacity.....	11
4.11.2	Cooling water used in condenser.....	11
4.11.3	Potable water used in ice-making.....	11
4.11.4	Energy consumption.....	12
5	Ice quality measurement by method of calorimetry	12
5.1	Instrumentation.....	12
5.2	Procedure for calorimeter constant determination.....	12
5.3	Procedure for determining net cooling effect of harvested ice.....	13
6	Information to be declared	15