

Modular Fragmented Ice Systems



Vogt Ice has engineered a new approach to producing fragmented ice. The new Modular Fragmented Ice System features increased flexibility for customers while retaining the key

operational and efficiency advantages that have been the trademark of the Turbo fragmented ice technology developed and continuously improved for over 50 years now.

Feature

- 10 ton MCL or 30 ton MHG low side modules
- Interconnecting configuration
- Modular design offers flexibility in location
- Lead time dramatically reduced
- Lower cost per ton of ice

Benefit

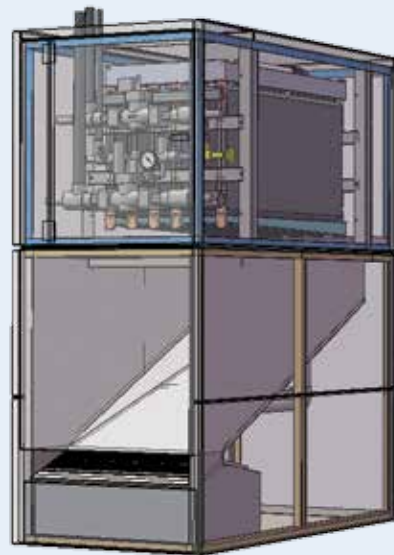
- Best match to capacity needs
- Ease of capacity expansion
- Greater options of ice maker location
- Better suited for time sensitive projects
- Cost sensitive solution

Tube Ice | Turbo
Engineered To Endure.

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Modular Fragmented Ice System Specifications



Example: For the following conditions the actual capacity for the ice generator would be:

Desired Ice thickness = 1/4" (6mm)
 Ice Capacity (from Table) = 29 U.S. Tons (26 Metric Tons) per 24 hours
 Entering Water Temperature (EWT)= 80 degrees F (26.7 degrees C)
 Correction factor for EWT from Table = 0.896
 Ice Capacity Corrected = 0.896* Ice Capacity at 60 degrees F (15.5 degree C)
 0.896* 29 U.S. Tons = 26.0 U.S. Tons
 0.896* 26 Metric Tons = 23.3 Metric Tons

Metric Ratings

Model	Ice Producing Capacity		Refrigerating Capacity		Overall Dimensions, cm			Shipping Weight Kgs	Harvest Motor Kw (Note 5)	Water Pump		Water Consumption Rate (Note 1)	
	Metric Ton/24 Hours		Kw		L	W	H			Kw	Qty	M ³ /Hr	
	Ice Thickness		Ice Thickness		L	W	H			Kw	Qty	Ice Thickness	
	6 mm	12 mm	6 mm	12 mm								6 mm	12 mm
MHG-A	26	23	153	126	249	107	273	1,133	0.7	1.1	1	1.1	1.0
MCL-A	15	14	91	84	249	107	273	1,133	0.7	0.4	1	4.8	4.5
MHG-F	23	21	149	123	249	107	273	1,133	0.7	1.1	1	1.0	0.9
MCL-F	11	10	79	73	249	107	273	1,133	0.7	0.4	1	3.6	3.3

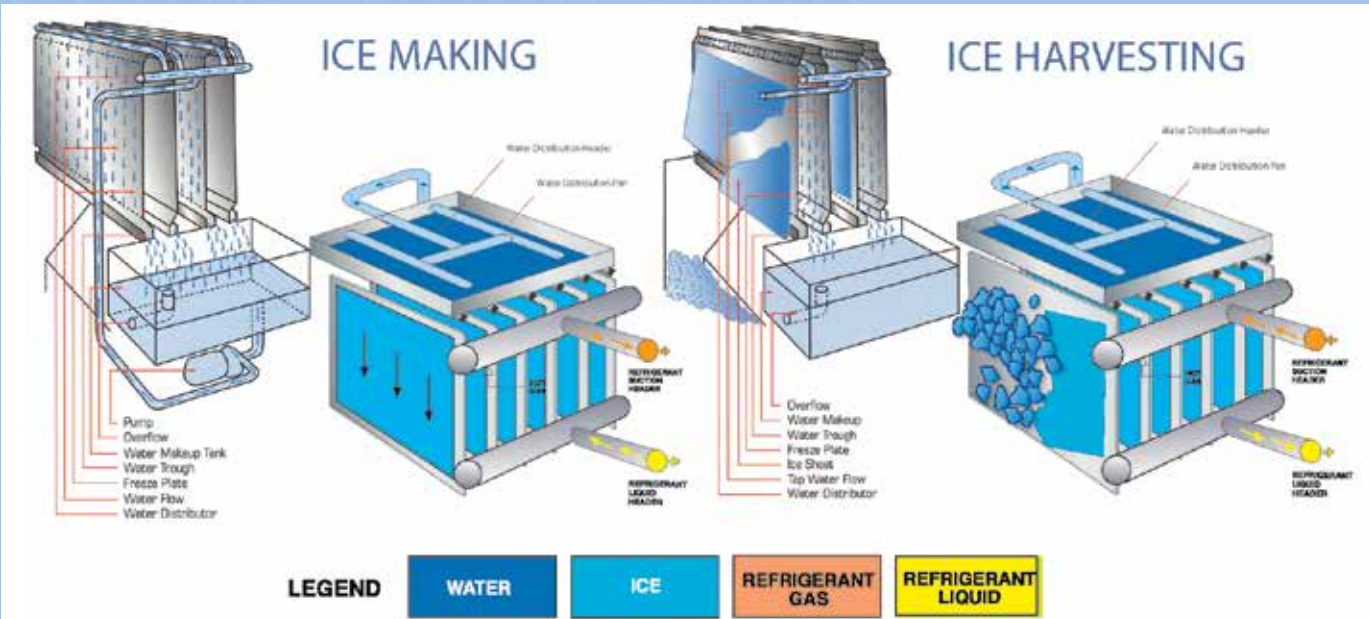
21 degrees C inlet water and -18 degrees C suction Temp

U.S. Ratings

Model	Ice Producing Capacity		Refrigerating Capacity		Overall Dimensions, cm			Shipping Weight Pounds	Harvest Motor HP	Water Pump		Water Consumption Rate (Note 1)	
	U. S. Tons/24 Hours		TR		L	W	H			HP	Qty	Gallons/Minute	
	Ice Thickness		Ice Thickness		L	W	H			HP	Qty	Ice Thickness	
	1/4"	1/2"	1/4"	1/2"								1/4"	1/2"
MHG-A	29	26	43.5	36	98	42	107.5	2,500	1	1.5	1	4.8	4.3
MCL-A	16	15	25.9	24.0	98	42	107.5	2,500	1	0.5	1	21.3	20.0
MHG-F	26	23	42.5	35.0	98	42	107.5	2,500	1	1.5	1	4.3	3.8
MCL-F	12	11	22.6	20.7	98	42	107.5	2,500	1	0.5	1	16.0	14.7

70 degrees F inlet water and 0 degrees F suction Temp

All ratings are preliminary and subject to change.
 Ratings based on central plant operation. For dedicated compressor ratings, consult factory.
 Defrost flow rates required for the MCL* models is 18 gpm @ 15 psi min inlet pressure.



LEGEND

WATER

ICE

REFRIGERANT GAS

REFRIGERANT LIQUID