

TURBO

PRODUCTS

MODULAR FRAGMENTED ICE SYSTEMS

MHGF: MODULAR HOT GAS FREON

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TURBO POWERED BY OMEGA

MODULAR FRAGMENTED ICE SYSTEMS

MHGF: Modular Hot Gas Freon



Single Modular with End Panel Kit

The Turbo Products MHGF (Modular Hot Gas Freon) are microprocessor controlled ice modules that can be combined to operate alone or as part of a sequenced modular ice making array for 25 tons to over 300 tons of ice per day. This ice discharges in 1/4" to 1/2" plate fragmented ice which is moist on the surface but does not readily clump in storage. A single master control panel provides network accessibility for precisely monitoring and controlling ice making operations.

MHGF Standard Features:

- » R-404A or R-507 Refrigerant Operation (DX)
- » Stainless Steel Front and Rear Panels
- » Voltage - 230V or 460V, 3PH, 60Hz Power
- » Voltage - 120V, 1PH, 60Hz Controls
- » Allen Bradley Micrologix PLC
- » Stainless Steel Evaporator Piping
- » Stainless Steel Upper and Lower Frame



Modular Skid Package (4)

MHGF Options:

- » Voltage - 400V, 3PH, 50Hz Power
- » Voltage - 575V, 3PH, 60Hz Power
- » End Panel Kit
- » AB Ethernet Interface Module
- » Split Unit Crating for Container/LTL Loading
- » Canadian Registration Number (CRN)
- » Export crating (ISPM-15 Rated)
- » Automation Direct PLC (Module only)
- » Base Frames / Headers for Skidding up to 6 Modules
- » Master Panels for Control of up to 10 Modules

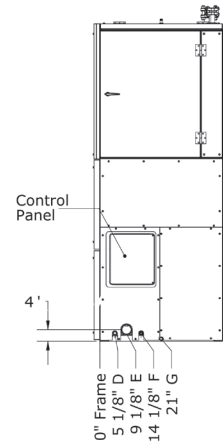
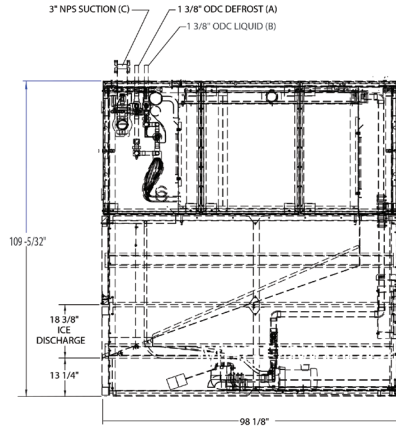
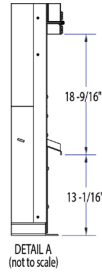
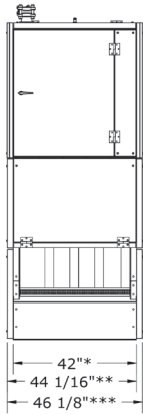
CAPACITY TABLE, TONS OF ICE PER 24 HOURS AT SUCTION TEMPERATURE 0°F (-18°C) (DX Feed)

Water Temperature	Capacity (US Tons/24hrs)		Refrigeration Capacity (TR)		Capacity (Metric Tons/24hrs)		Refrigeration Capacity (KW)	
	Ice Thickness		Ice Thickness		Ice Thickness		Ice Thickness	
	1/4"	1/2"	1/4"	1/2"	1/4"	1/2"	1/4"	1/2"
80°F (27°C)	22.4	18.3	39.9	27.8	20.4	16.6	140.4	97.9
70°F (21°C)	23.5	19.2	39.9	27.8	21.4	17.5	140.4	97.9
60°F (16°C)	24.6	20.3	39.9	27.8	22.4	18.5	140.4	97.9
50°F (10°C)	25.9	21.4	39.9	27.8	23.5	19.5	140.4	97.9

Capacity ratings listed are calculated based on dedicated refrigeration system with 90 second harvest.

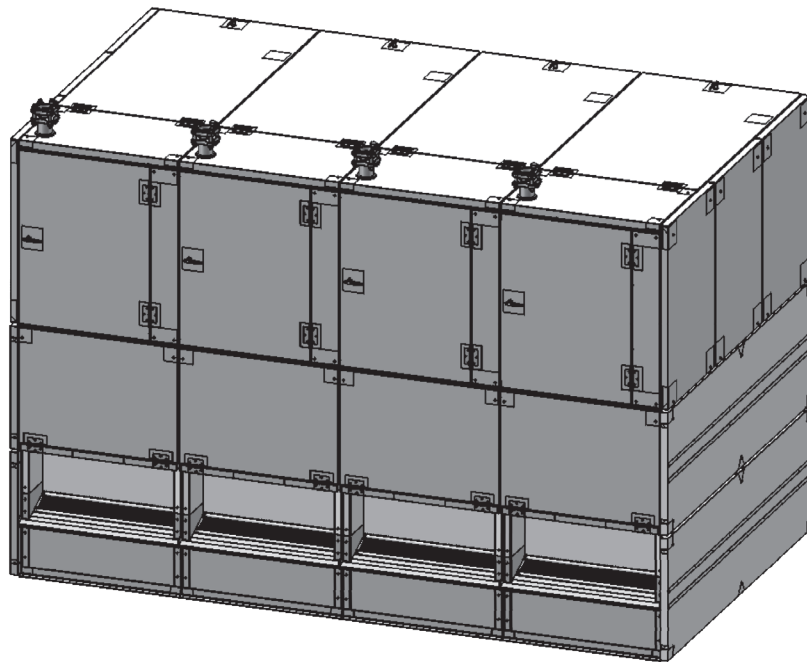
MHGF Connections		SIZE
A	HOT GAS	1-3/8" ODC
B	LIQUID	1-3/8" ODC
C	SUCTION	3" NPS
D	WATER TANK DRAIN	1" PVC
E	WATER TANK OVERFLOW	3" PVC
F	WATER TANK MAKEUP	3/4" FPT
G	PAN DRAIN	1/2" FPT

MHGF-DX



* Base Frame Width, Ice Opening Width (Panels Not Included)
 ** Width With End Panels On One Side (End Modules)
 *** Width With End Panels On Both Sides (Single Module)

MHGF-DX Multiple Units



Operating Conditions

The ice machine shall not be subjected to an atmospheric temperature lower than 50°F (10°C) nor higher than 90°F (32°C) without effect on performance. Water for condensing or ice making purposes shall be non-corrosive. The water shall be at a constant pressure no less than 30lb at the ice machine location. The condition of the water to make satisfactory ice shall be the responsibility of the purchaser.

Turbo Products Certifications

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ASME U-stamp, Canadian Registration Number, PED

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