

NATIONAL GUARD DISASTER RELIEF IMMEDIATE RESPONSE ASSET

Rocky
Research

CONTAINERIZED ICE MAKER SYSTEM

Key Features

- Produces up to 3,600 lbs. of ice per day
- Automatically bags & seals in 10lb. bags
- Stores up to 1,200 lbs. of bagged ice
- Self-contained in Tricon ISO container
- Operates in 130° F environment
- Easily Transportable
- Easy to setup, operate & maintain
- Easily connects to potable water source
- Connect to 15kW generator or local power



Disaster Relief Benefits

- Supports emergent needs for ice
- Assist with food, health & medical demands
- Reduces challenges for transporting ice
- Demonstrates preparedness & coordination
- Reduces damage, hardship & loss
- Designed for use in distressed areas



Cool solutions to thermal problems.

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System Specifications

Frequency:	50/60 Hz
Voltage:	208/230 VAC
Phase:	3 Phase
Power Connection:	100 AMP Class L Connector
*Fuel Usage:	22 gal. diesel or 26 gal. JP8 per 24 operational hours
Refrigerant:	R407C
Max. Ambient Temperature:	130°F / 54.4°C
Water Temperature:	40°F to 90°F / 4.4°C to 32.2°C

Physical Specifications

Form Factor:	ISO Tricon Container
Dimensions:	6' 5.5" W x 8.0' H x 8.0' D / 1.99 x 2.45 x 2.45 m
Weight:	~8,500 lbs / 3855.5 kg
**Water Supply Connection:	¾" NH-F hose bib (standard garden hose)
Water Usage:	~500 gal / 1892.7 liters per 3,600 lbs of ice
Ice Storage:	production 1200 lbs / 544.3 kg

Environmental Specifications

Ambient Temperature (Hot):	MILSTD-810G, Method 505.5 (Procedures I)	✓	COMPLETED
Solar Radiation (watts/m ²):	MILSTD-810G, Method 505.5.1	✓	COMPLETED
Ambient Humidity (Hot):	MILSTD-810G, Method 507.5	✓	COMPLETED
Fungus:	MILSTD-810, Method 508.6	✓	COMPLETED
Salt Fog:	MILSTD-810G, Method 509.5	✓	COMPLETED
Blowing Dust & Sand:	MILSTD-810G, Method 510.5 (Procedures I & II)	✓	COMPLETED
Vibration:	MIL-STD-810G, Method 514.6	✓	COMPLETED
Shock:	MIL-STD-810, Methods 516.6 & 526 Rail Impact & Road March	✓	COMPLETED

*Average fuel usage when CIMS unit is powered by auxiliary 15kW generator.

**Water supply not required to be pressurized.