



MBC80-8A

MB MASTER-BILT[®]

MASTER-CHILL[™]

MBC SERIES

Reach-In Blast Chillers

MODELS

- MBC80-8A
- MBC113-16A



FEATURES

CONSTRUCTION

- One-piece construction with rounded internal corners
- Stainless steel interior and exterior
- Satin Scotchbrite finish on door, side and control panels
- CFC-free polyurethane foamed-in-place insulation
- Wall thickness: 2.95"
- Hinged fan cover for easy cleaning access to the evaporator and fan
- Removable stainless steel wire racks with 1.2" vertical spacing intervals
- Plastic defrost drip tray on outer base
- Stainless steel feet height adjustable from 5.9" to 7.9"
- Standard product core probe with L-shaped handle for easy extraction

DOORS

- Self-closing door with full-height outer stainless steel handle
- Removable magnetic gasket
- Door frame heating element

CONTROL PANEL

- LCD control board with encoder, multi-lingual, multi-sector allowing selection between time-based abatement mode or core probe

- mode, which acts upon various parameters
- Blast chilling with variable cycle progression
- 20 pre-set blast-chilling cycles
- Variable speed drives on evaporator fans for accurate temperature control and energy efficiency
- HACCP history
- Displays interior temperature, product temperature, ventilation speed
- Automatic setting of refrigerating phase at end of cycle
- HACCP alarms visible on display
- Alarms recorded on a list (nr. 30) including USB port

REFRIGERATION

- Refrigeration cell with rounded corners and condensation drain in base
- Cooling unit at evaporation temperature -10°F and condensation temperature 130°F rated at 3136 watt
- Max room temperature: +89°F
- Refrigerant: R-404A
- MBC80-8A production per cycle: 80 lbs. of product from +194°F to +37°F in 90 minutes
- Pre-set inner cell temperature during chilling cycle: +32, +23, -13°F

- MBC113-16A production per cycle: 113 lbs. of product from +194°F to +37°F in 90 minutes
- Pre-set inner temperature during freezing cycle: -13°F
- Evaporation temperature control with thermostat valve
- Internal operation: ventilated cell, ventilation not directly on foods
- Copper/aluminum corrosion-proofed evaporator
- Electric defrost

WARRANTY

- Standard limited one year parts and labor
- Additional four year coverage on compressor part

OPTIONS

- Printer
- Additional wire shelves
- Additional support guides



MASTER-CHILL™ MBC SERIES REACH-IN BLAST CHILLERS

EXCLUSIVE F.I.C. TECHNOLOGY

Master-Chill MBC models feature the newest patented technology in blast chillers with the Food Identification Controller (F.I.C.). The F.I.C. automatically adjusts blast chilling cycles with its single multi-sensor probe. The F.I.C. monitors temperatures in the core, beneath and on the surface, preventing surface freezing and degradation as well as preserving nutritional values of the food.



TECHNICAL SPECIFICATIONS

MODEL	DIMENSIONS (in.)			DIMENSIONS (mm)			VOLTS/ HZ/PH	AMPS	UNIT H.P.	NO. OF SHELVES	STANDARD SHELF DIMENSIONS (in.)	NO. OF SHELF SUPPORT RACKS	SHIP CU. FT.	SHIP WT. LB/KG
	L	D	H*	L	D	H*								
MBC80-8A	31 ¹ / ₂	33 ¹ / ₈	74 ⁵ / ₈	800	841	1895	220/60/3	7.5	2.5	3	23.6 x 15.7	8	54.3	453/206
MBC113-16A	40 ¹⁵ / ₁₆	39 ⁷ / ₈	78	1039	1011	1981	220/60/3	8.5	2.5	6	23.6 x 31.5	10	89.4	541/246

*Height includes legs.

PAN CAPACITIES

MODEL	1/1 GASTRONORM (530 x 325 x 40mm)	2/1 GASTRONORM (530 x 650 x 40mm)	12" X 20" X 2.5"	12" X 20" X 1.5"	18" X 26" X 2.5"	18" X 26" X 1.5"
MBC80-8A	12	N/A	8	12	N/A	N/A
MBCF113-14A	26	13	16	26	8	13

LISTINGS

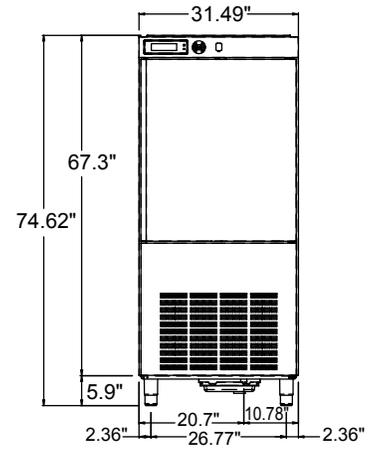
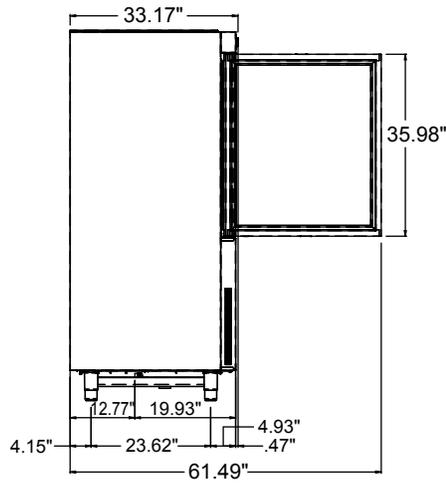
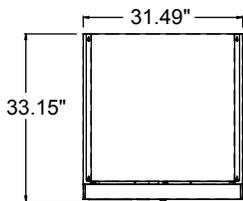


HOOKUP

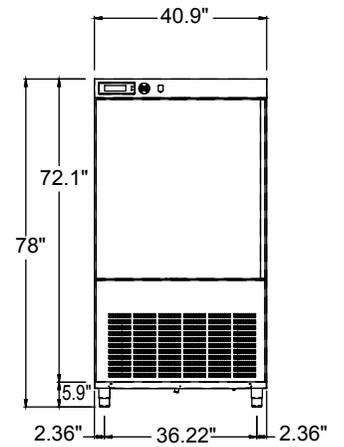
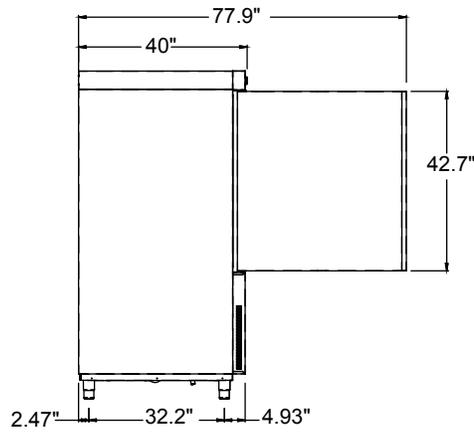
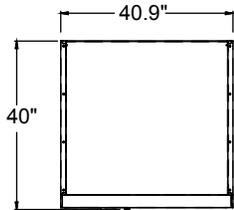
All models are hardwired (cord and plug not included)



MBC80-8A



MBC113-16A



PLAN VIEW

SIDE VIEW

ELEVATION VIEW



MASTER-CHILL™ MBC SERIES REACH-IN BLAST CHILLERS

BID SPECIFICATIONS

Item no. MBC _____
Provide _____ () Reach-
In Blast Chiller(s), Master-Bilt
model no. MBC _____.

Blast chiller will be constructed
of stainless steel interior and
exterior with rounded internal
corners.

Blast chiller will feature
patented Food Identification
Controller with single multi-
sensor probe.

Other features will include:

- CFC-free polyurethane foamed-
in-place insulation
- Hinged fan cover for easy

cleaning access to the evaporator
and fan

- Removable stainless steel wire
rack with 1.2" vertical spacing
intervals
- Plastic defrost drip tray on outer
base
- Stainless steel feet height-
adjustable from 5.9" to 7.9"
- Self-closing door with full-height
outer stainless steel handle
- LCD control board with encoder,
multi-lingual, multi-sector
allowing selection between time-
based abatement mode or core
probe mode, which acts upon

various parameters

The refrigeration system is to
be self-contained and use R-404A
refrigerant. System will also feature
a copper/aluminum corrosion-
proofed evaporator and electric
defrost.

Blast chiller to have standard
limited one year parts and labor
with additional four year coverage
on compressor part.

Blast chiller will be ETL listed
in the U.S. and Canada and ETL
Sanitation listed.

**NOTE: Cabinet designed for optimum performance in air-conditioned area at 75°F ambient and 55% relative humidity.
All specifications subject to change without notice.**



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