



Project \_\_\_\_\_  
Item No. \_\_\_\_\_  
Quantity \_\_\_\_\_

## BLAST CHILLER/FREEZER

### MODEL RR2FS-160, MODEL SR2FS-160, MODEL 2R2FS-160

#### RR-SR – Roll-in Blast Chiller without Condensing Unit 2FS-160 – Roll-in Blast Chiller/Blast Freezer

#### STANDARD FEATURES

- Unit assembled at installation site
- Inside and outside casing of 304 stainless steel
- Top and back panel in treated steel
- Injected polyurethane foam insulation, 3-1/8" thick, 0% CFC
- 3/4" insulated ground with access ramp. 304 stainless steel coating
- Internal safety door release
- Hinges: ramp hinges (location specified on order)
- Scraper seal at the bottom of the door
- Stainless steel front framework with anti-condensing system
- Coved internal corners with radius 1/2"
- 1-1/4" wide magnetic door seals with anti-dirt, anti-impact rounded profile and toolfree removal
- Smooth, sealed control panel
- Baseboards for floor adjustment
- Easy maintenance

#### CAPACITY

- Accommodates trollies 30" x 37" x 73" (WxDxH)
- Blast chilling capacity of 145°F, to 40°F, "to core" within 1 hr. 50 mins.  
RR: 353 lbs.  
SR: 485 lbs.
- Blast freezing capacity of 145°F, to 0°F, "to core" within 4 hrs. 30 mins.  
SR: 353 lbs.

#### MULTI-POINT FRIGIPROBE

- A stainless steel probe with four temperature sensors monitors core temperature of product
- Frigiprobe electronically assists blast chilling and freezing of products accurately regardless of quantity, weight, or thickness
- Blast freezing or chilling is automatically stopped once "core" temperature is reached (0°F to +40°F)
- Blast chilling mode can limit air temperature at the surface to 32°F to prevent surface icing

#### ELECTRONIC CONTROL

- Blast chilling or freezing controlled with Timer Mode or Frigiprobe Mode
- Timer Mode remembers last time settings
- Temperature maintained after blast chilling or freezing

#### OPTIONS & ACCESSORIES

- Audible alarm
- Stainless Steel backside
- Set of 6 rolls of paper for printer
- Fan stops with door open



- Automatic control of defrosting cycle
- Audible signal at start and end of cycle with remote report feature
- Remote alarm signal (output 12 Vdc)
- Temporary self-repair of probes and quick diagnosis of anomalies
- Temperature display in °F or °C.

#### Control panel display

- Control panel at 63" off the floor.
- Alternating digital display of core temperature and time at start of cycle (Frigiprobe mode)
- Alternating digital display of internal temperature and time remaining before end of cycle (Timer mode)
- Lights indicating functions in progress

#### Communication board and printer

- Serial type RS 232 C port and parallel port, enabling unit to be connected to a PC, to a data processing network or to a printer
- Built-in printer for recording temperature and duration of cycles

#### REFRIGERATION

##### Similar for both models

- R404A refrigerant
- Four 11-7/8" diameter fans, mounted on a pivoting stainless steel panel for easy maintenance
- Two evaporators with fitted thermostatic expansion valve
- Solenoid valve on the liquid line
- Refrigeration circuit with light nitrogen pressure

#### ELECTRICAL DEFROSTING

- Defrosting with six 1,700 BTU/hr. heaters made of 304 stainless steel
- Safety thermostat for de-icing heaters on each evaporator

## DISASSEMBLED UNIT PARTS

- Evaporators, evaporator fans, electrical box, electronic control, control panel are totally assembled on panels and connected. This is called evaporator block.
- All electrical and control wiring pre-wired. Only the front frame heater needs to be connected in the electrical box on the site. Other panels delivered flat.
- Biggest piece measurements (unpacked):
  - Evaporator block (WxHxD): 43-5/8" x 84-1/8" x 25-5/8"
  - Door (WxHxD): 36-1/4" x 75-1/4" x 7-7/8"
- Biggest piece net weights:
  - Evaporator block: 331 lb.
  - Door: 78 lb.

## REQUIREMENT

### General

- Wall Clearance
  - Top: 15-3/4"
  - Sides: 2-3/4"
- Ventilation of premises if temperature is higher than 100°F, taking into account the unit's heat emission
- Keep away from sources of heat
- Install gutter and siphoning tube

### Electrical - Evaporator

- Electrical power supply must conform to regulation
- Voltage: 208-240V / 60 / 1, with ground
- Installed power: 4,000 W - 7.3 A
- Amps: 15 A
- Breakers: 20 A

## RR2FS-160 (without condensing unit)

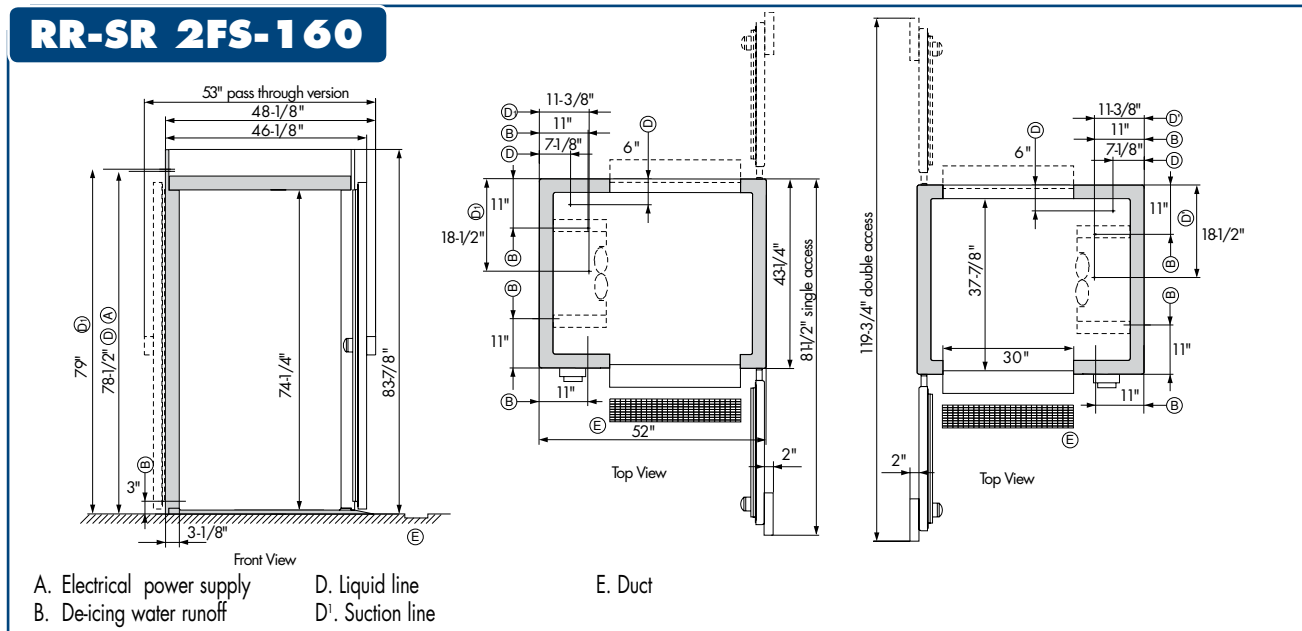
### Remote condensing unit

- Compressor unit with crankcase heater
- Condenser (air or water cooled)
- Liquid receiver, liquid indicator, and drier-filter
- High pressure controller safety device
- Condenser pressure controller
- Electrical box for power supply and all protections for the condensing unit
- Remote condensing unit needs to have "pump down" capability
- Refrigerating capacity:
  - Evaporation temperatures 32°F: 58,000 BTU/hr.
  - Evaporation temperatures -4°F: 25,000 BTU/hr.

## SR2FS-160 (without condensing unit)

### Remote condensing unit

- Compressor unit with crankcase heater
- Condenser (air or water cooled)
- Liquid receiver, liquid indicator, and drier-filter
- High pressure controller safety device
- Condenser pressure controller
- Oil separator if semi-hermetic compressor unit
- Electrical box for power supply and all protections for the condensing unit
- Remote condensing unit needs to have "pump down" capability
- Refrigerating capacity:
  - Evaporation temperatures -4°F: 82,000 BTU/hr.
  - Evaporation temperatures -40°F: 36,000 BTU/hr.
- Consult installer for remote condensing unit requirements



**FRIGINOX**  
BLAST CHILLERS/BLAST FREEZERS



### FRIGINOX - USA

PO Box 4129 Winston-Salem, NC 27105  
800/551-8795 • Ph: 336/661-0257  
Fax: 336/661-9546  
sales@moffat.com www.friginoxusa.com

### FRIGINOX - CANADA

P.O. Box 301, Jordan Station, Ontario LOR 1S0  
800/263-5798 • Ph: 905/562-4195  
Fax: 905/562-4618  
sales@moffat.com www.friginoxusa.com

