

Project	Quantity	Item #
Model Specified:		CSI Section 11400

### Air Curtain Refrigerator Models/ Self-Contained



Model RAC37-FHS



Stainless Exterior  
& Interior

### One Section Reach-In Model

Full Length Door Model  
Half Length Door Model

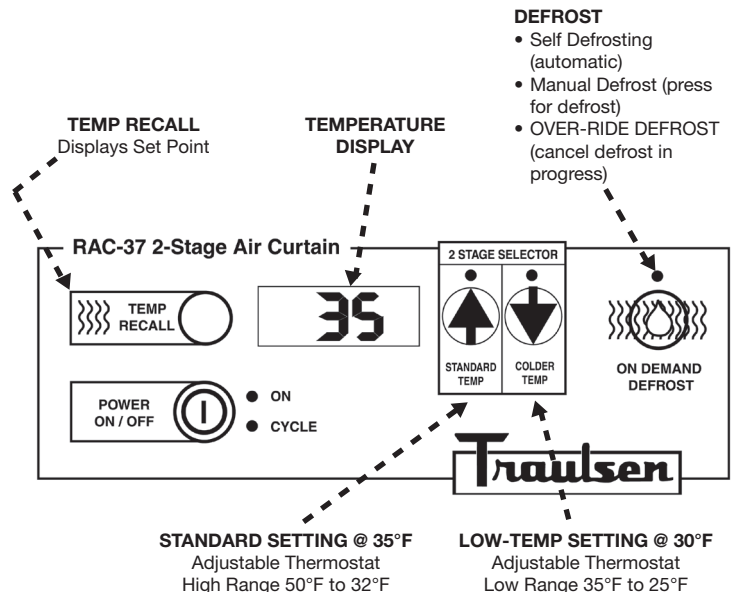
RAC37-FHS  
RAC37-HHS

The Reach-In Air-Curtain achieves maximum temperature performance during open door operation. Units maintain an interior temperature of 45° F or less for at least 90 minutes while the door is open for tray prep or serving. This capability represents the potential for significant labor savings over traditional tray make-up or serving methods and the precise temperature control helps ensure proper food safety and lengthen shelf life. This unit was designed to be mobile, heavy duty casters with stress pads are standard as well stainless steel side hand grips and a tubular rear-mounted handle. Bottom-mounted refrigeration provides stability during movement. The standard two-stage control provides a "pre-chilling" option which allows the end-user to prepare certain products such as milk or juice containers in advance for extended door-open periods. The SMART DEFROST™ system provides for defrost on demand or an intuitive defrost cycle that will search for the most efficient defrost times and cycles. The controller senses evaporator coil temperature before, during, and after a defrost cycle and depending on operating parameters will adjust defrost cycle times accordingly.

## Standard Features

- Stainless Steel Exterior & Interior
- Ten Pairs Of Tray Slides For 18" x 26" Pans
- Multi-Fan 3-D Air Screen System
- Electronic Control With Two Operating Modes:
  - 1- Refrigerator (32°F to 50°F, Preset at 35°F)
  - 2- Refrigerator Lo-Temp (25°F to 35°F, Preset at 30°F)
- SMART DEFROST™ System Provides For Auto Or On-Demand Defrost And allows Defrost Override
- Digital Thermometer Sensor
- Full Perimeter Bumper
- Full or Half Length Stainless Steel Door
- Vertical Door Handle
- Flush Hand Grips
- Rear Mounted Tubular Handle
- Set of Four (4) 6" High Heavy Duty Casters With Stress Pads
- 8' Cord & Plug Attached
- One Piece Louver Assembly
- Automatic Condensate Evaporator
- Magnetic Door Gaskets
- 1 Year Parts & Labor Warranty
- 5 Year Compressor Warranty

## Easy To Use Control Features



## Options & Accessories

- Cylinder Door Locks
- Optional Left-Hand Door Hinging
- Two Year Service/Labor Warranty Available



Listed by Underwriters Laboratories Inc., to U.S. and Canadian safety standards and Listed by NSF International in accordance with ANSI/NSF 7.

Approval: \_\_\_\_\_



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SECTION  
7-1

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## Specifications

### Construction, Hardware and Insulation

Cabinet exterior, including front, one piece sides, louver assembly and door(s) are constructed of heavy gauge stainless steel. Cabinet interior and door liners are constructed of stainless steel with #3 and 2-B finish. Exterior cabinet top, back and bottom are constructed of 18 & 20 gauge stainless steel with #3 finish. A set of four (4) 6" high heavy duty poly casters with stress pads are included, two fixed and two swivel with brake.

Doors are equipped with 12 gauge stainless steel .320 diameter pin hinges. Door opens to 270 degrees and is provided with a "door hold open" latch to allow for easy loading and unloading of product. A full length vertical door handle is included for ease of use.

Vinyl magnetic door gasket assures tight door seal. Door contains high density, non-CFC, polyurethane insulation.

DIMENSIONAL DATA	RAC37
Width - Overall in. (including bumper)	32 $\frac{1}{4}$ " (81.9 cm)
Depth - Overall in. (including bumper)	39 (99.1 cm)
Height - Overall on 6" Casters in.	79 $\frac{1}{4}$ " (201.3 cm)
Depth - Cabinet only in.	32 $\frac{5}{8}$ " (82.9 cm)
Depth - Cabinet only including door in.	36 $\frac{1}{4}$ " (92.1 cm)
Width - Cabinet only in.	28 $\frac{5}{8}$ " (72.7 cm)
Clear full door height in.	43 $\frac{3}{4}$ " (111.1 cm)
Clear half door height in.	21 $\frac{1}{8}$ " (53.3 cm)
Clear door width in.	18 $\frac{3}{8}$ " (46.7 cm)
Net Weight - uncrated lbs.	410 (190 kg)
ELECTRICAL DATA	
Voltage	120/60/1
Feed Wires (8' cord & plug with ground)	3
Wattage	1668
Full Load Amperes (running)	14.3
HP	$\frac{1}{2}$ HP
REFRIGERATION DATA	
Refrigerant	R-404A
Oil Specifications	Polyol Ester Oil
CAPACITY	
Max 10 each of 18" x 26" or 12" x 20" pans at 4 $\frac{1}{2}$ " spacings	

**Note:** Figures in parentheses reflect metric equivalents



Full load amps and plug style may vary depending on electrical options chosen and condensing unit employed.

### Refrigeration System

The RAC37 Unit is designed to operate in demanding environments. To achieve this the RAC37 is equipped with a  $\frac{1}{2}$  HP 404a compressor designed to operate in ambient temperatures of up to 90 degrees F. Every unit is equipped with two evaporator fans producing 175 CFM (cubic feet per minute) each of air flow. Total air output is 350 CFM and provides an air turnover rate of 23 times every minute.

### Air Curtain

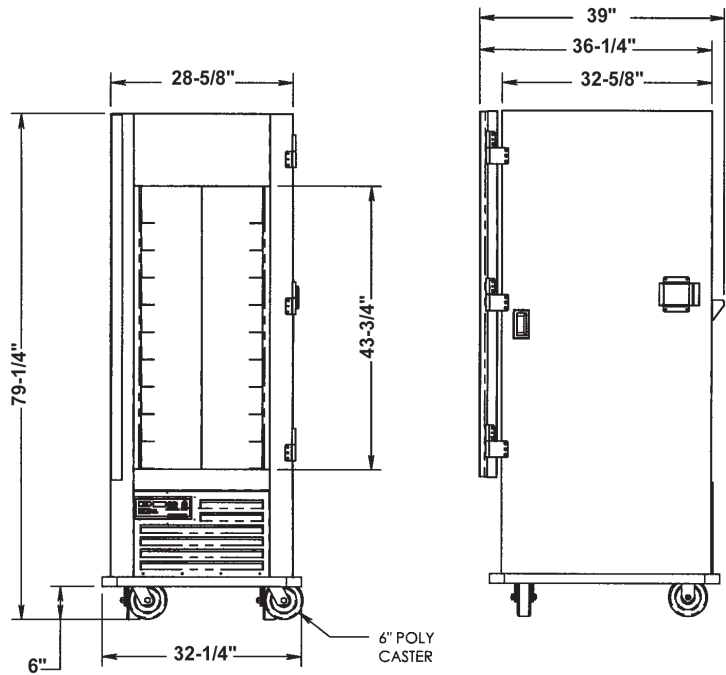
Air circulating fans and forced convection system cooling coil are ceiling mounted. With the door opened, a curtain of air is created producing a unique circulation pattern within the food zone, allowing the unit to maintain a 45°F or lower interior temperature for 45 minutes based on ambient temp of 70°F/45% RH/120V. When the door is closed, interior air-flow pattern design prevents hot pockets and cool spots within the cabinet. Pull down time to 35°F is achieved in approximately 17 minutes. The SMART DEFROST™ system provides for Auto or On-Demand Defrost and allows Defrost Override. The system is intuitive and will search for the most efficient defrost times and cycles.

### Interior

Ten (10) pairs of removable tray slides each accommodate one 18" x 26" pan with 4 $\frac{1}{2}$ " spacing. This interior provides an internal product holding area of 15 cubic feet.

### Warranties

The standard warranty includes a five year compressor warranty and a one year parts and labor warranty on all components and the cabinet. Additional warranties are available at extra cost.



RAC37-FHS Front View

RAC37-FHS Side View

**NOTE:** When ordering please specify: Voltage, Hinging, Door Size, Options and any additional warranties.

Continued product development may necessitate specification changes without notice.  
Part No. TR35803 (revised 6/09)