



## ***IFI WALK-IN REFRIGERATOR & FREEZER PANELS TECHNICAL SPECIFICATIONS***

IFI walk-in coolers and freezers are assembled using prefabricated modular panels. These panels consist of metal clad expanded polyurethane insulation. They are designed for fast and easy field assembly with convenient disassembly for relocation or enlargement.

Panels are available in 3" and 4" thickness. Full width panels are 48" wide, with narrower panels in various widths as required. One-piece panels are available in lengths up to 12 feet.

### **Panel Fasteners:**

- The wall panels are joined together by camlocks embedded in the panel edges.
- By rotating the locking arm with a hex wrench, the arm engages over the pin and the rotation of the cam draws the panels tightly together. The camlocks are accessed from inside the walk-in through ports which are sealed with vinyl snap-in caps. Three camlocks per 7'-6" wall.

### **Panel Construction:**

- The panels consist of formed metal skins laminated to the polyurethane insulation under pressure.
- This process is carefully monitored to assure a high quality structural bond that will withstand a wide range of temperature and humidity conditions.

### **Tongue and Groove:**

- All panels have tongue and groove edges to facilitate assembly and provide a tight, well insulated panel joint. No wood framing is used.

### **Floor Panels**

- Standard duty floor panels are constructed with a 18 ga galvanized steel covering. This floor panel is designed to withstand uniformly distributed loads up to 200 lb/square foot.
- When wheeled equipment is used, such as dollies and carts, additional reinforcement is required. Optional 1/8" aluminum checker plate or 12 gauge galvanized steel can be used. Also, a 3/8" thick marine plywood can be inserted in the panel for more strength.

### **Facings:**

- Standard Finish:
- 26 ga polyester white prepainted steel.
- Optional finishes include:
- 24 ga T-304 #4 stainless steel.
- Plastisol
- Prepainted color finish.

### **Insulation:**

- Polyurethane has a "R" value of R-8 per inch – R-24 for 3" and R-32 for 4" panels (0.126 BTU in./sq.ft. x hour x °F). Nominal density is 2.3 lb per cubic foot.



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### Doors:

- Our standard hinged door is an overlap (or flush mounted) type in a 48" wide panel with an opening of 34" x 78" or 36" x 78" high.
- A replaceable magnetic gasket seals the door at the top and on the sides. The bottom edge of the door is sealed with a dual neoprene sweep. All doors 78" high or under come with two camlift action hinges. Doors 78" to 84" have three camlift action hinges.

### Pallet door standard sizes:

- 48" wide x 84" high.
- 54" wide x 84" high.
- 60" wide x 84" high.

Custom sizes available.

Door latch handles come with an adjustable strike and inside safety release handle.

Standard finish on all door hardware is brushed chrome.

All pallet doors use replaceable hollow rubber door gasket seals at the top and on the two sides.

The bottom edge of the door is sealed with a dual neoprene sweep.

Freezer doors have anti-sweat heaters in both the door sill and top and sides of frame, eliminating the need for a bottom sill plate.

All pallet doors have heavy duty aluminum frame welded construction.

Sliding doors: Manual single sliding doors are available in a variety of sizes.

Custom sizes are available on all door configurations.

### Accessories:

- Pre-wired vapor proof light fixture with switch and pilot light.
- Flush mounted dial thermometer.
- Self-closing hinges.
- Door closer.
- 48" Fluorescent lighting fixture.
- 48" LED lighting fixture.
- Ramp - External or internal (heated or unheated).
- Door kickplates (16 ga stainless steel) and jamb guards.
- Double action impact doors.
- PVC strip curtains.
- Glass viewing windows.
- Refrigeration equipment – Condensing units, hermetic, air-cooled indoor or outdoor type complete with accessories.

Installation: IFI walk-in coolers and freezers are shipped with a set of assembly drawings, allen key and all necessary items for installation.

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As continued product improvement is a policy of IFI, specifications are subject to change without notice. (Rev: 28-08-2018)