

## 4 – TECHNICAL SPECIFICATION

### **Dimensions**

See lay out in chapter 3.

Note: In lay out the platform next to the freezer is not part of our supply.

### **4.1. Enclosure**

Insulated completely glued enclosure in double walled sandwich design. The enclosure is equipped with openings for inspection, sanitation and service. The floor and roof are sloping and the enclosure is designed for quick water drainage. The complete side of the freezer can be opened completely for sanitation. Opening is motor driven.

The enclosure allows ventilation underneath the freezer.

### **Wall thickness**

80 mm (3 ¼ ")

### **Wall surface**

Polyester with glass fibres with a coating of Gel coat.

### **Insulation**

High density polystyrene

### **Internal lightning**

Stainless steel / plastic

### **Internal structure**

All bars and sheeting in stainless steel

### **Product zone**

Reciprocating perforated polyethylene bedplates.

Bedsides in polycarbonate

### **4.2. Evaporator Coil units**

Tubes/fins Stainless steel/ Aluminium

### **Water defrosting**

CC – Coil Cleaning

### **Coil specifications**

See coil drawing, chapter 9.

## 4.3. Fans

Axial high performance fans with individual step less control of air speed in two product zones.

Zone 1. Fan (s) for bed one served by frequency converter number one.

Zone 2. Fans for bed two – fan 2 and 3 - served by frequency converter number two.

Zone 3. Fans for bed two – fan 4 and 5 - served by frequency converter number three.

Fans for bed two – fan 6 and 7 - served by frequency converter number four.

### Number of frequency converters (VFD)

Model	Number of VFD
3/2	2
4/2	3
5/2	3
6/2	4
7/2	4
8/2	5
9/2	5

### Number of fans

3/2	3
4/2	4
5/2	5
6/2	6
7/2	7
8/2	8
9/2	9

## 4.4. General design

Exposed bolt threads inside the freezer are generally covered with domed nuts. At some critical positions lock nuts are used.

## 4.5. Electrical Cabinet

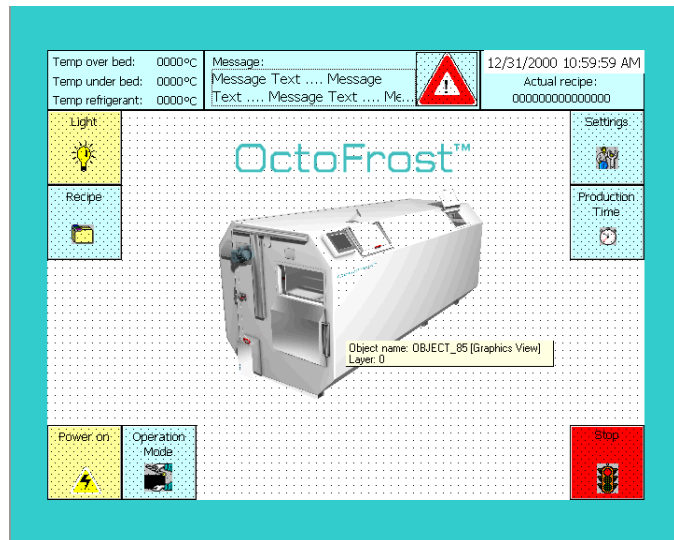
Freestanding epoxy painted cabinet for all electrical equipment. Equipment and connections are UL approved. The cabinet should be placed in a dry location, close to the freezer.

## 4.6. Operators panel

Colour touch screen. Located in a separate cabinet beside the inspection hatches.

Up to 99 product recipes can be programmed. Programs for start up, emptying, standby and close down procedures.

Continuous monitoring of three temperatures and freezer settings.



Possibility with Ethernet connection to master computer (optional)

SR/CC (Snow Removal and Coil Cleaning)

Automatic Snow Removal with semi Automatic Coil Cleaning

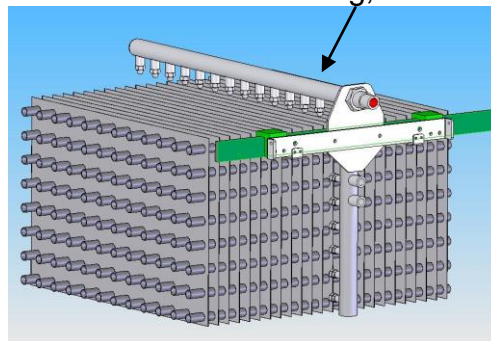
Snow Removal (SR tube)

During normal production a high pressure air stream is penetrating the front of the evaporator coil, thus removing the snow and extends the time between defrost.

## 4.7. Water defrost and coil rinsing

The top tube adds a large amount of defrosting water while the carriage is moved over the coil. The same tube is used for rinsing the coil after foam cleaning

Water defrost and rinsing, CC tub



SR tube

