

06/2018

# **Mod: SX120/DV-R6**

**Production code: GV33-120-I**



**Diamond**  
catering equipment

# Model: VK/CW



## UK      Content

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## **Important safety instructions**

1. To obtain full use of the cabinet, we recommend reading this instruction manual.
2. It is the user's responsibility to operate the appliance in accordance with the instructions given.
3. Contact your dealer immediately in case of any malfunctions.
4. Place the cabinet in a dry and ventilated place.
5. Keep the cabinet away from strongly heat-emitting sources and do not expose it to direct sunlight.
6. Always keep in mind that all electrical devices are sources of potential danger.
7. Do not store inflammable material such as thinner, gasoline etc. in the cabinet.
8. We declare that no asbestos nor any CFC are used in the construction.
9. The oil in the compressor does not contain PCB.

## **Unpacking and installation**

Remove the wooden pallet and the packing. External surfaces are supplied with a protection foil, which must be removed before installation

## **Electrical connecting**

The cabinet operates on 230 V/50 Hz.

The wall socket should be easily accessible.

All earthing requirements stipulated by the local electricity authorities must be observed. The cabinet plug and wall socket should then give correct earthing. If in doubt, contact your local supplier or authorized electrician.

The flexible cord fitted to this appliance has three cores for use with a 3-pin 13-Amp or 3-pin 15-Amp plug. If a B.S. 1363 (13-Amp) fused plug is used, it should be fitted with a 13-Amp fuse.

The wires in this mains lead are coloured in accordance with the following code:  
Green/Yellow: Earth, Blue: Neutral, Brown: Live.

The main electrical connections must be done by skilled electricians.

## **Start-up of the cabinet**

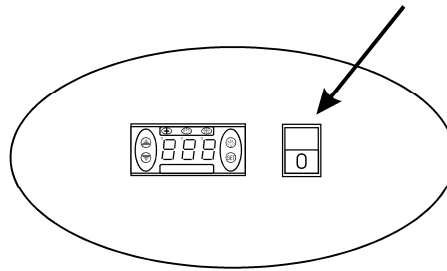
Before use, we recommend that the cabinet is cleaned, see the section on maintenance and cleaning.

### **Important !**

If the cabinet has been vertically placed during transport, please wait 2 hours before starting up the cabinet.

Connect the cabinet to a socket and turn on the switch on the control panel, see fig. 1.9.

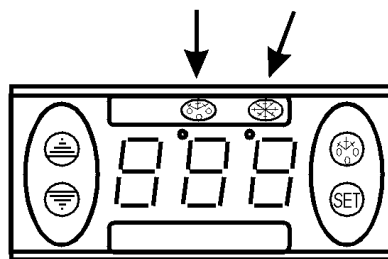
Fig. 1.9



## Thermostat

The thermostat is placed in the control panel, see fig. 2.0.

Fig. 2.0  
DP2 DP1



The thermostat has been pre-set and in most cases it is not necessary to adjust the settings.

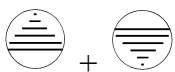
When turning on the cabinet the display will show the current temperature in the cabinet.

## Indications LED's:

DP1:            Flashing, indicates that a parameter is being changed  
                 Switched on, indicates that the compressor is activated

DP2:            Switched on, indicates that defrosting is activated.

## Keyboard lock:



To lock or unlock the keyboard, press these keys simultaneously for about 5 seconds (to lock the display reads 'Pof', to unlock the display reads 'Pon').

## Display set temperature:



Press this key and the display will show the set temperature. Press the key again to return to normal reading

### **Set new temperature:**



Press this key and the display shows the set temperature.



Press this key to increase the set temperature.



Press this key to lower the set temperature.



Press this key to save the new settings. The display will flash with the new value and will then return to normal reading.

### **Changing of parameters:**



Press this key continuously for 5 seconds to access the list of parameters. The display will show the number of the parameter and after 2 seconds the value.



Press this key to increase the value.



Press this key to lower the value.



Press this key to save the new settings. The display will flash with the new value and will then return to normal reading.

**See table of parameters from page 47.**

### **Alarm codes:**

**PF1** Flashing in the display: indicates that the cabinet sensor is defective.

The cabinet will strive to keep the set temperature until it has been repaired.

### **Maintenance and cleaning**

Switch the cooler off at the socket.

The cabinet must be periodically cleaned. Clean the external and internal surfaces of the cabinet with a light soap solution and subsequently wipe dry. External surfaces can be maintained using steel oil.

Do NOT use cleansers containing chlorine or other harsh cleansers, as these can damage the stainless steel surfaces and the internal cooling system.

Clean the condenser and the compressor compartment using a vacuum cleaner and a stiff brush.

Do NOT hose the compressor compartment with water as this can cause short circuits and damage on the electrical parts.

## **Service**

The cooling system is a hermetically sealed system and does not require supervision, only cleaning.

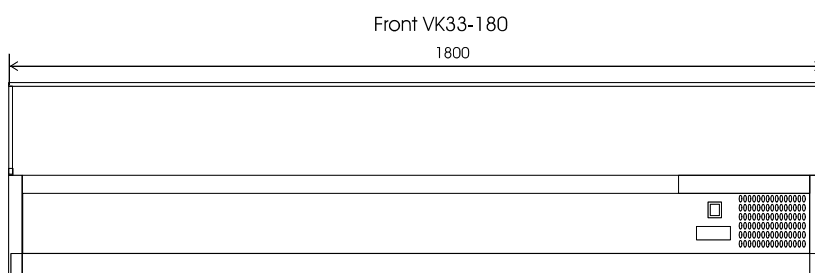
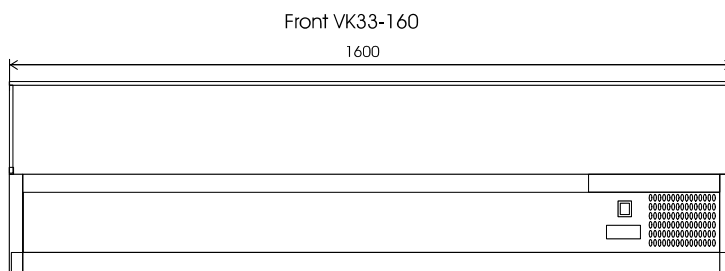
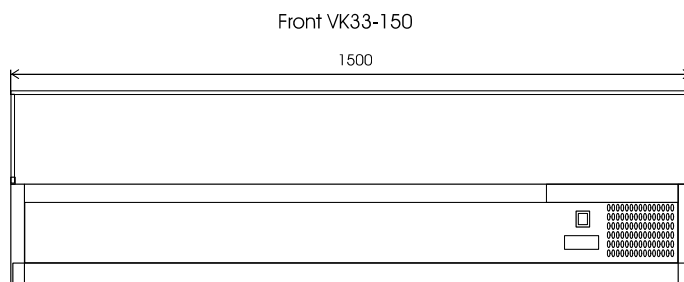
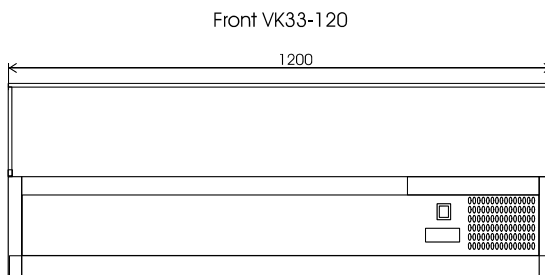
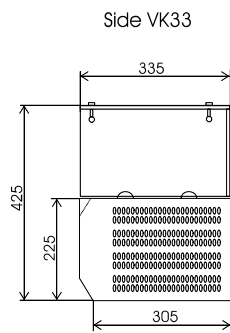
If the cabinet fails to cool, check if the reason is a power cut.

If you cannot locate the reason to the failure of the cabinet, please contact your supplier. Please inform model and serial number of the cabinet. You can find this information on the rating label which is placed inside the cabinet in the top right hand side.

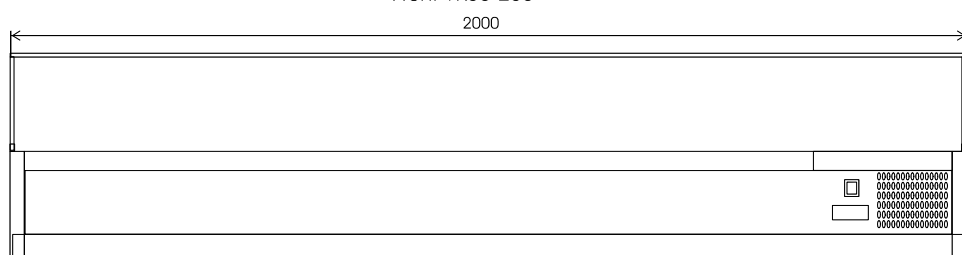
## **Disposal**

Disposal of the cabinet must take place in an environmentally correct way. Please note existing regulation on disposal. There may be special requirements and conditions which must be observed.

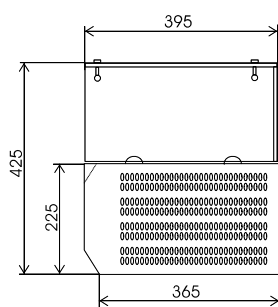




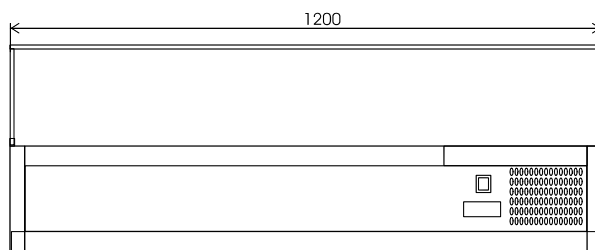
Front VK33-200



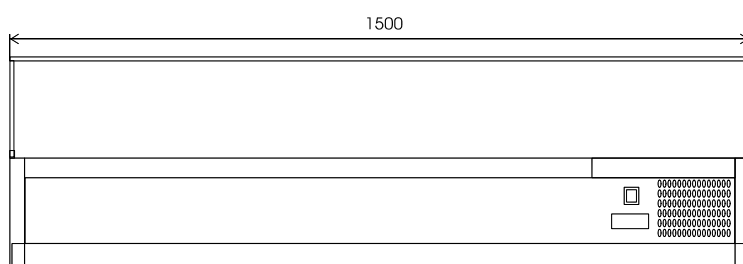
Side VK38



Front VK38-120

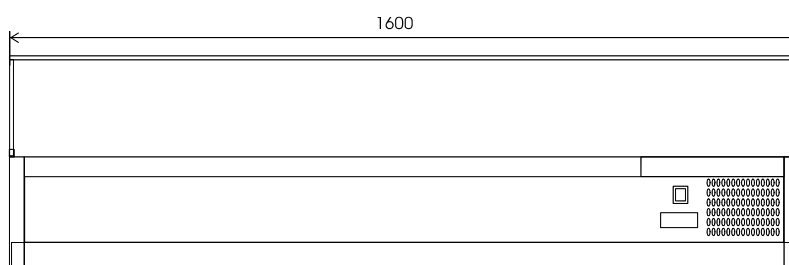


Front VK38-150

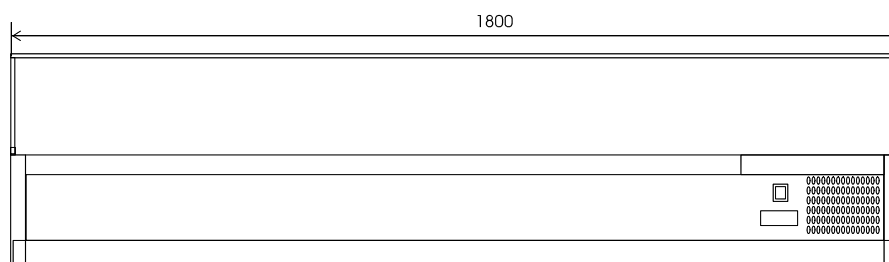




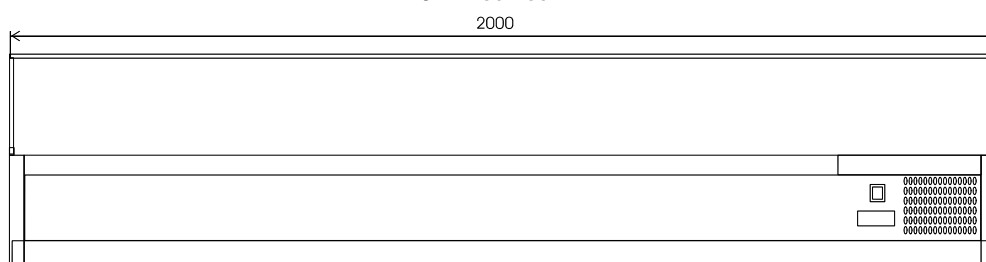
Front VK38-160



Front VK38-180



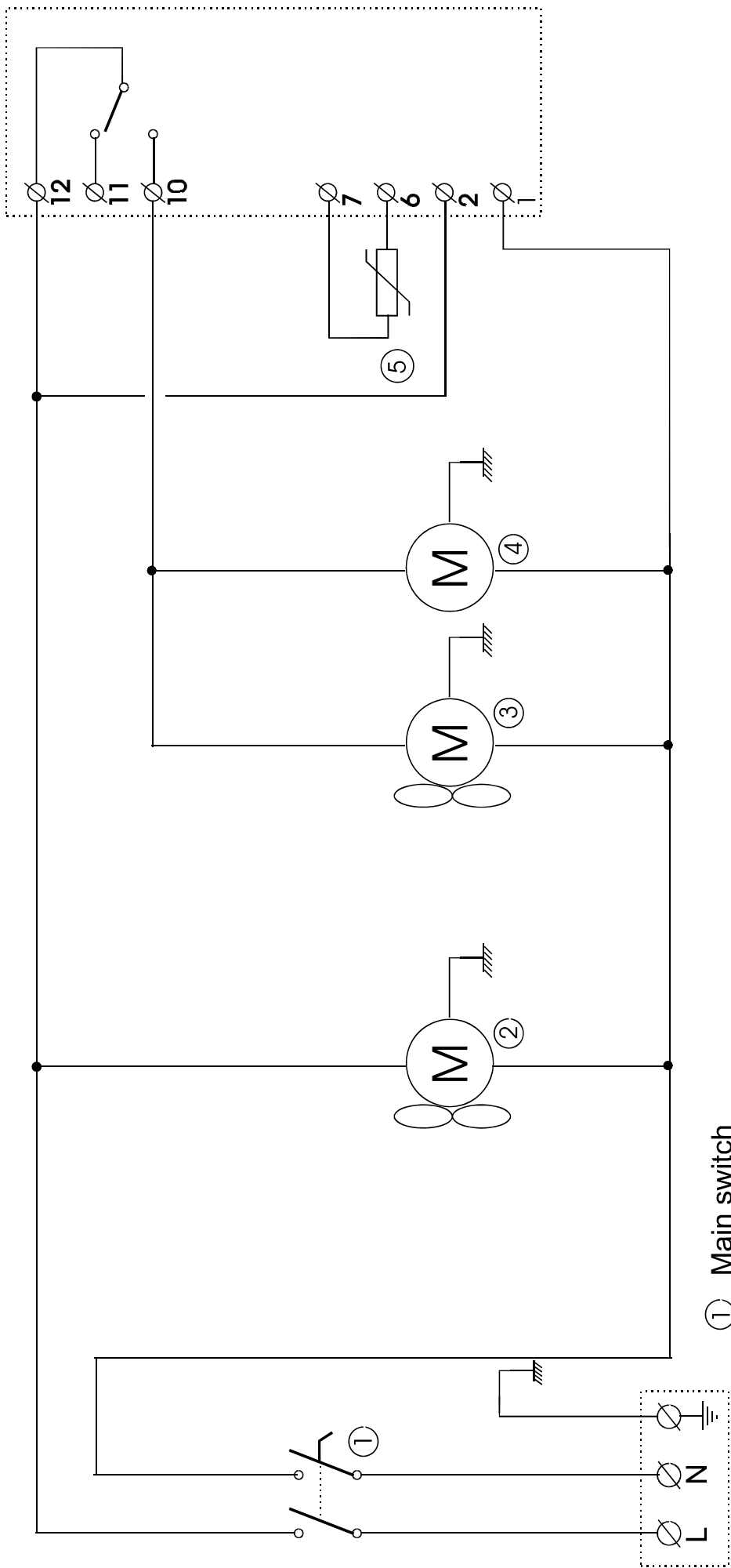
Front VK38-200



## Technical data

| Model    | Volume<br>Litres | Dimensions<br>HxWxD<br>mm. | Temperature<br>°C | Weight<br>nett<br>Kgs. | Voltage<br>V. | Wattage<br>W. | Energy<br>Consumption<br>Kwh/24h |
|----------|------------------|----------------------------|-------------------|------------------------|---------------|---------------|----------------------------------|
| VK33-120 |                  | 435x1200x335               | +2/+10            | 25                     | 220-240       | 340           | 2,8                              |
| VK33-150 |                  | 435x1500x335               | +2/+10            | 29                     | 220-240       | 340           | 2,8                              |
| VK33-160 |                  | 435x1600x335               | +2/+10            | 30                     | 220-240       | 340           | 2,8                              |
| VK33-180 |                  | 435x1800x335               | +2/+10            | 32                     | 220-240       | 340           | 2,8                              |
| VK33-200 |                  | 435x2000x335               | +2/+10            | 34                     | 220-240       | 340           | 2,8                              |
| VK38-120 |                  | 435x1200x395               | +2/+10            | 28                     | 220-240       | 340           | 2,8                              |
| VK38-150 |                  | 435x1500x395               | +2/+10            | 31                     | 220-240       | 340           | 2,8                              |
| VK38-160 |                  | 435x1600x395               | +2/+10            | 32                     | 220-240       | 340           | 2,8                              |
| VK38-180 |                  | 435x1800x395               | +2/+10            | 34                     | 220-240       | 340           | 2,8                              |
| VK38-200 |                  | 435x2000x395               | +2/+10            | 36                     | 220-240       | 340           | 4,2                              |

REK31



① Main switch

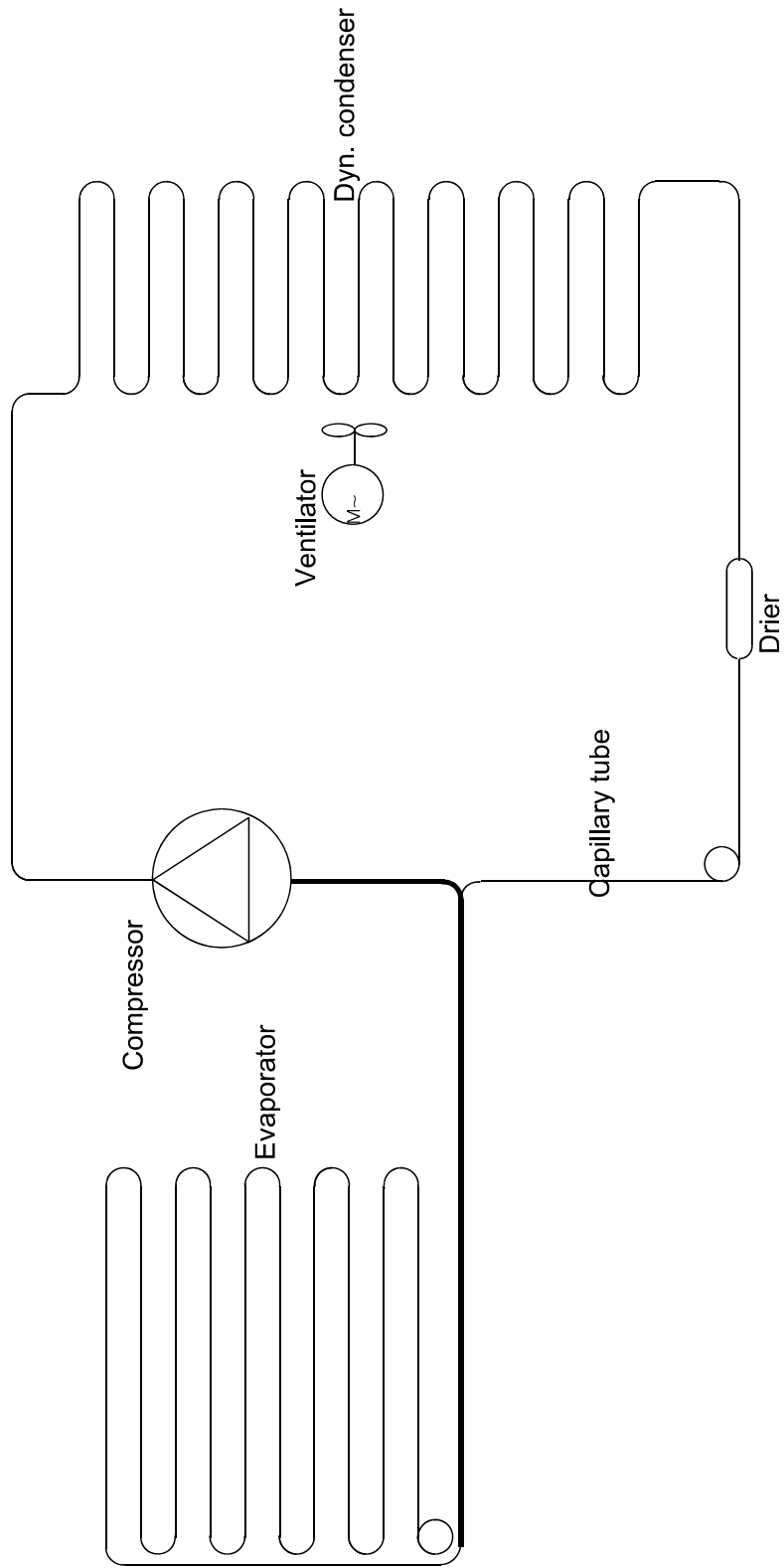
② Circulation fan

③ Condenser fan

④ Compressor

⑤ Cabinet probe

|                      |
|----------------------|
| Fan assisted cooling |
| Electrical system    |
| 302-060928           |



|                      |
|----------------------|
| Fan assisted cooling |
| Refrigeration system |
| 301-060928           |

**REK31E**

| Parameter | Description                                                                             | REK31  |
|-----------|-----------------------------------------------------------------------------------------|--------|
| d1        | Main Set point                                                                          | 2 °C   |
| d2        | Differential ( hysteresis )                                                             | 3 °C   |
| d3        | lower limit of main set point                                                           | 2 °C   |
| d4        | Upper limit of main set point                                                           | 10 °C  |
| d5        | Minimum time interval between the disactivation and successive activation on compressor | 99sec. |
| d6        | Max temperature alarm differential                                                      | 50 °C  |
| d7        | Maximum or minimum temperature alarm delay                                              | 0      |
| d8        | Time interval between defrost cycle                                                     | 6h     |
| d9        | Max defrost cycle time                                                                  | 20min  |
| d12       | Real temperature display delay at defrost end                                           | 30 min |
| d14       | Dripping time                                                                           | 1min   |
| d19       | Offset ?                                                                                | -4 °C  |
| d22       | Unit of measure, 0=C, 1=F                                                               | 0      |
| d23       | Compressor function during o probe failure                                              | 2      |
| d24       | Compressor on-time during probe failure                                                 | 10 min |
| d25       | Compressor off-time during by probe failure                                             | 10 min |
| d38       | Minimum temperature alarm differential                                                  | 40 °C  |