



## 12 Volt Medical Refrigerator / Freezer

**B 90 / 10/12V**

**Sturdy and reliable refrigerators and freezers with accurate temperature controls for vaccine and blood products.**

### USES

Refrigerator Vaccine storage.  
Frozen Vaccine storage.  
Ice pack freezing for:

Provincial Health Centres  
Urban clinics  
Rural clinics  
Testing laboratories  
Blood banks  
Blood products production



### FEATURES

Accurate temperature control and holdover facility.  
Thick insulation to maintain temperature during power failures .  
Stainless steel inner liner .  
Minimum power consumption.  
Protection against freezing the product.  
Individual compartment doors.  
CFC free.  
Fast ice pack freezing features.  
Solar power model for clients in rural areas.

### SPECIFICATIONS

<b>LENGTH</b>	650mm
<b>WIDTH</b>	680mm
<b>HEIGHT</b>	1110mm
<b>CAPACITY FRIDGE</b>	90 l
<b>CAPACITY FREEZER</b>	30 l
<b>TEMP. FRIDGE / FREEZER</b>	4 / -15 degC
<b>HOLDOVER TIME TO +10degC IN 32degC AMBIENT</b>	20 hours
<b>ICE PACK FREEZING</b>	4.8 kg / 24 hours
<b>ENERGY CONSUMPTION @ 30degC ambient</b>	Ice-pack freezing mode: 67Ah / 24 hours Refrigerate mode: 31Ah / 24 hours

Specifications are subject to change without prior notice. 060801



# KG ELECTRIC

## Construction

Galvanised mild steel exterior coated in appliance white epoxy.  
Stainless Steel 304 grade on interior lining.  
Base: Heavy duty mild steel base to withstand bad roads during delivery process.  
Insulation: 100mm Polyurethane foamed in situ 38 kg/m.

## Refrigeration

Reliable Danfoss 12V/24V BD35F compressor and fan cooled condenser. The compressor draws about 4.5Amp at 12V and 2.3Amp at 24V

## Controls

Carel IR32 maintains temperatures between 1 degC and 8 degC in fridge compartment with illuminated display.  
High and low alarm outputs by means of audible and visual warnings.  
Internal light switches on in event of temperature approaching 1 degC to allow cabinet temperature to be maintained.  
Mechanical thermostat controls freezer temperature at -1 5 degC

## Modes

Ice pack freezing is activated by means of green impulse button on control panel. This mode consumes maximum power and is used when more than a half load of ice packs is added to the freezer.  
This mode is controlled by an auto reset timer which re-engages economy mode after 12 hours (pre-set factory default).  
Economy mode is the mode automatically selected when starting the fridge. The fridge will always default to economy mode 12 hours after the activation of ice pack freezing or when power is disconnected/ re-connected.