

# Ice-Lined Refrigerator

**HBC-80**



## Scope of Application

This refrigerator is suitable for pharmacies, pharmaceutical factories, epidemic prevention stations, health centres and hospitals to store Biological products and items which shall be kept under at a temperature of between 2 and 8°C

## Innovative Design

- ◉ Hydrocarbon energy-saving
- ◉ Safe and reliable
- ◉ Smart display

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## Product Advantages

### Refrigeration System

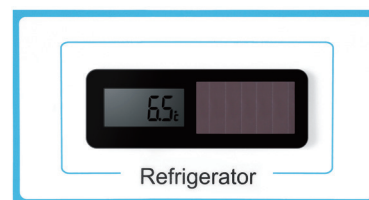
- Optimized refrigeration system design
- Cabinet structure designed specifically to maintain 2°C to 8°C for more than 55 hours at 43°C ambient
- HC high-density foam insulation
- Complies with WHO/UNICEF standards Grade A freeze protection to ensure vaccine never freezes in the storage compartment
- Wide ambient temperature range, from 5°C - 43°C

### Ergonomic Design

- Door lock for storage safety
- Indicator light to show whether compressors on or off status
- Independent temperature data logger to monitor, record and manage temperature records
- Operates within wide voltage range, 172~264 volts

### Temperature Control

- Digital solar powered temperature display
- Internal temperature range is 2°C to 8°C



Solar Energy Display Panel



## Specifications

| Model           |   |     | HBC-80                        |
|-----------------|---|-----|-------------------------------|
| Technical Data  | Cabinet Type                                |     | Chest                         |
|                 | Ambient Temperature                         |     | 5°C-43°C                      |
|                 | Cooling Type                                |     | Direct Cooling                |
|                 | Refrigerant                                 |     | HC                            |
|                 | Sound Level (dB(A))                         |     | <40                           |
| Performance     | Temperature Range (°C)                      |     | 2-8                           |
|                 | Freezer Protection Level                    |     | A                             |
|                 | Controller                                  |     | Microprocessor                |
| Control         | Display                                     |     | Solar LED temperature display |
|                 | Power Supply (V/Hz)                         |     | 220-240/50                    |
| Electrical Data | Power (W)                                   |     | 110                           |
|                 | Electrical Current (A)                      |     | 0.9                           |
|                 | Power Consumption: stable running (KWh/24h) |     | 0.57                          |
|                 | Power Consumption: cool down test (KWh/24h) |     | 0.63                          |
|                 | Holdover Time at 43°C                       |     | 59hrs 58mins                  |
|                 | Holdover Time at 32°C                       |     | 98hrs 26mins                  |
|                 | Vaccine Storage Capacity (L/Cu.Ft)          |     | 61/2.2                        |
| Dimensions      | Gross Volume (L/Cu.Ft)                      |     | 80/2.8                        |
|                 | Net/Gross Weight (approx)                   | kg  | 85/110                        |
|                 |   | lbs | 187.6/242.7                   |
|                 | Interior Dimensions (W*D*H)                 | mm  | 500*366*560                   |
|                 |   | in  | 19.7*14.4*22                  |
|                 | Exterior Dimensions (W*D*H)                 | mm  | 788*717*872                   |
|                 |   | in  | 31*28.2*34.3                  |
|                 | Packing Dimensions (W*D*H)                  | mm  | 850*770*1080                  |
|                 |   | in  | 33.5*30*42.5                  |
|                 | Container Load (20'/40'/40'H)               |     | 36/78/78                      |
| Functions       | High/Low Temperature                        |     | Y                             |
|                 | Sensor Error                                |     | Y                             |
|                 | Foot/Castor                                 |     | N                             |
| Accessories     | Baskets                                     |     | 1                             |
|                 | Data Logger                                 |     | Y                             |
|                 | Automatic Voltage Stabilizer                |     | Optional                      |
|                 | Remote Temperature Monitoring Device (RTMD) |     | Optional                      |
| Others          | Certification                               |     | CE,WHO/PQS                    |