

# MODULAR COLD ROOM/WALKING COOLER



## PRODUCT

- **COLDROOM**
- **COLDSTORAGE**
- **BLAST FREEZER/CHILLER**
- **PRE-COOLER**
- **BANANA RIPENING CHAMBER**
- **PEB BUILDING**







HIANCE PRODUCTS is a new generation and ISO 9001:2015 Certified company in New Delhi. It is brain child of the Refrigeration industries leading the top brand in India. Hiance products is purely expert in the field of Refrigeration and electrical allied products. We established longer and closer working relationships with our clients and suppliers not only provide immediate and reliable services but to continually exceed expectations and goals. All our products are designed to suit our tropicalized climate and are environmentally friendly. We understand the requirement and services of our clients and give us full satisfaction with our services and products. We constantly strive to improve our service based on customer feedback.



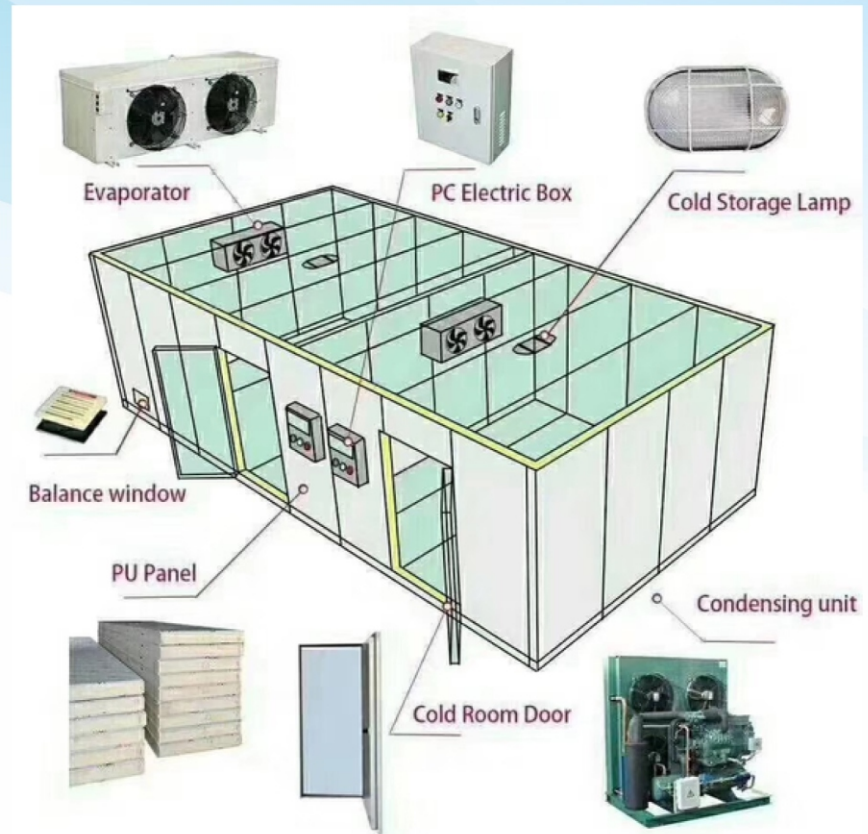
- **AGRO INDUSTRY**
- **HORTICULTURE**
- **HOTELS & RESTAURANTS**
- **MEAT PROCESSING**
- **PHARMACEUTICALS**
- **FROZEN FOOD**
- **BANANA RIPENING CHAMBERS**
- **FLORICULTURE**
- **FOOD PROCESSING**





#### PUF PANEL'S TECHNICAL SPECIFICATIONS

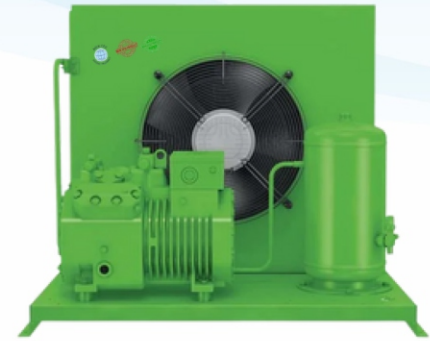
- Available in 60/80/100/120 & 150mm thickness
- Available up to 1180mm in width and 8 Mtr. in length.
- The facing of the panels is 0.4/0.5mm thick Pre-coated GI sheets/ Aluminium sheets/ Stainless Steel sheets and FRP sheets with PE film .
- The core of panel is rigid foam which is formed by a controlled reaction between 2 ingredients i.e. an MDI and a polyol.
- Manufactured through high pressure injection process in automatic hydraulic press.
- Insulation: rigid Polyurethane Foam (PUF)
- Nominal density: 40 kg m/m<sup>3</sup>
- Tensile Strength: 3.7 kg/cm<sup>2</sup>
- Close Cell Content: 90-95%
- Fire Resistant: Horizontal Extent of burn (BS 4735<125mm)
- Water Absorption: 0.20% volume at 100% RH.
- Eco Friendly with CFC- Free insulation Camlock and
- Tongue & Groove jointing system for leak joints.
- The joint of the 2 panels is sealed with a bead of silicone sealant.
- All the medium temperature unit are at -6.5°C evaporating temperature and 56°C condensing temperature and for Low Temp. at -26°C evaporating temperature and 56°C condensing temperature.
- From 20,000 Btu/hr. upto 1,00,000 Btu/hr. refrigeration units for Medium Temp. and Low Temp. are designed and customized as per customers requirement.



COLD STORAGE PANEL STRUCTURE



- All refrigerants are R22, R134A, R404A and ozone friendly refrigerants.
- Depending on the project requirement, we customized the capacity of refrigeration unit into Water cooled condensing unit and air cooled unit.
- We do offer the Hermetic Compressor (Reciprocating/Scroll) and Condensing unit original from Emerson Copeland, Danfoss.
- Semi – Hermetic Compressor and Condensing unit are imported from Bitzer.
- Evaporator units are from Patton, Starcooler & Luve
- All the refrigeration units are designed to suit our regional tropical climate & energy efficient
- Hiance Craft Refrigeration Units are integrated with BMS compatible microprocessor based temperature controller.
- All the units are provided with individual power control panel.



Air Cooled Semi-Hermetic Condensing Unit



Air Cooled Hermetic Condensing Unit



Cold Room/Cold Storage Indoor Unit



Pre-Cooling Indoor Unit



Blast Freezer/Chiller Indoor Unit



# NEGATIVE TEMPRATURE REFRIGERATION SYSTEMS

| Model            | Units                   | HPLT-0.8         | HPLT-10          | HPLT-20          | HPLT-30          | HPLT-40          | HPLT-50          |
|------------------|-------------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Cooling Capacity | Btu/hr                  | 5000             | 6000             | 10000            | 12500            | 18500            | 22000            |
|                  | Kw                      | 1.47             | 1.76             | 2.93             | 3.66             | 5.42             | 6.45             |
| Power Supply     | V/PH/Hz                 | 415/3/50         | 415/3/50         | 415/3/50         | 415/3/50         | 415/3/50         | 415/3/50         |
| Compressor       | Emerson                 | KCM475LAL        | KCM512LAL        | KCM515LAL        | KCM520LAL        | ZF18KQE          | ZF25KQE          |
|                  | No. of Comp.            | 1                | 1                | 1                | 1                | 1                | 1                |
|                  | No. of Fan              | 1                | 1                | 2                | 2                | 1                | 1                |
|                  | Power Consumption KW    | 1.57             | 2.59             | 2.99             | 4.11             | 5.28             | 6.25             |
| Compressor       | Bitzer                  | N/A              | 2EES-2Y-40S      | 2CES-3Y-40S      | 4EES-4Y-40S      | 4DES-5Y-40S      | 4CES-6Y-40S      |
|                  | No. of Comp.            | 1                | 1                | 1                | 1                | 1                | 1                |
|                  | No. of Fan              | 1                | 2                | 2                | 2                | 1                | 1                |
|                  | Power Consumption KW    |                  | 2.02             | 3.26             | 4.3              | 5.04             | 6.65             |
| Evaporator       | Make                    | HPL              | HPL              | HPL              | HPL              | HPL              | HPL              |
|                  | Axial Fan /No/Dia       | 2/300            | 2/300            | 3/300            | 3/300            | 3/350            | 3/350            |
| Air Flow         | m <sup>3</sup> /h       | 3100             | 3100             | 4662             | 4662             |                  |                  |
| Air Throw        | m                       | 9                | 9                | 11.5             | 11.5             |                  |                  |
| Fin              | Evap. & Cond.           | AL               | AL               | AL               | AL               | AL               | AL               |
|                  | FPI                     | 6                | 6                | 6                | 6                | 6                | 6                |
| Material of Body | Evaporator              | SS 304           | SS 304           | SS 304           | SS 304           | SS 304           | SS 304           |
|                  | Condensing Unit         | GI Powder Coated | GI Powder Coated | GI Powder Coated | GI Powder Coated | GI Powder Coated | GI Powder Coated |
| Size             | Cubical Evap. L x W x H | 1160X440X410     | 1160X440X410     | 1620X440X410     | 1620X440X410     |                  |                  |
|                  | Cond. L x W x H         | 990X415X600      | 990X415X600      | 1320X710X580     | 1320X710X580     |                  |                  |



# MEDIUM TEMPRATURE REFRIGERATION SYSTEMS

| Model             | Units                   | HPL-1            | HPL-2            | HPL-3            | HPL-4            | HPL-5            | HPL-6            | HPL-7            | HPL-8            | HPL-9            |
|-------------------|-------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Cooling Capacity  | Btu/hr                  | 6000             | 10000            | 15000            | 18000            | 20000            | 30000            | 40000            | 60000            | 80000            |
|                   | Kw                      | 1.76             | 2.93             | 4.40             | 5.28             | 5.86             | 8.79             | 11.72            | 17.58            | 23.45            |
| Power Supply      | V/PH/Hz                 | 230/1/50         | 230/1/50         | 230/1/50         | 230/1/50         | 230/1/50         | N/A              | N/A              | N/A              | N/A              |
|                   | V/PH/Hz                 | N/A              | 415/3/50         | 415/3/50         | 415/3/50         | 415/3/50         | 415/3/50         | 415/3/50         | 415/3/50         | 415/3/50         |
| Compressor        | Emerson                 | KCJ513HAE        | CR22K6M          | CR30K6M          | CR36K6M          | CR42K6M          | CR62-KQM         | CR72-KQM         | CR62-KQM         | CR72-KQM         |
|                   | No. of Comp.            | 1                | 1                | 1                | 1                | 1                | 1                | 1                | 2                | 2                |
| No. of Fan        | Nos.                    | 1                | 1                | 1                | 1                | 1                | 2                | 2                | 4                | 4                |
| Power Consumption | KW                      | 1.54             | 1.99             | 2.6              | 3                | 3.71             | 5.74             | 6.99             | 11.48            | 13.98            |
| Evaporator        | Make                    | HPL              | HPL              | HPL              | HPL              | HPL              | HPL              | HPL              | HPL              | HPL              |
| Evaporator Fan    | Slim /Nos./Dia          | S/2/254          | S/3/254          | S/4/254          | S/5/254          | S/5/254          | N/A              | N/A              | N/A              | N/A              |
|                   | Cubical                 | C/2/254          | C/3/254          | C/4/254          | C/5/254          | C/5/254          | C/2/450          | C/3/450          | C/2/600          | C/2/600          |
|                   | Impellor/Axial Fan      | Impellor         | Impellor         | Impellor         | Impellor         | Impellor         | Axial Fan        | Axial Fan        | Axial Fan        | Axial Fan        |
|                   | Axial Fan /No/Dia       | 1/300            | 2/300            | 2/350            | 2/400            | 2/400            | 2/450            | 3/450            | 2/600            | 2/600            |
| Air Flow          | m³/h                    | 1400             | 2100             | 2800             | 3500             | 3500             | 8800             | 13200            | 20900            | 20900            |
| Air Throw         | m                       | 4.6              | 5.2              | 6.6              | 7.1              | 7.1              | 13               | 15               | 25               | 25               |
| Fin               | Evap. & Cond.           | AL               | AL               | AL               | AL               | AL               | AL               | AL               | AL               | AL               |
| Material of Body  | Evaporator              | SS 304           | SS 304           | SS 304           | SS 304           | SS 304           | SS 304           | SS 304           | SS 304           | SS 304           |
|                   | Condensing Unit         | GI Powder Coated | GI Powder Coated | GI Powder Coated | GI Powder Coated | GI Powder Coated | GI Powder Coated | GI Powder Coated | GI Powder Coated | GI Powder Coated |
| Size              | Slim Evap. L x W x H    | 965X580X210      | 1275X580X210     | 1675X580X210     | 2110X580X210     | 2110X580X210     | N/A              | N/A              | N/A              |                  |
|                   | Cubical Evap. L x W x H | 900X360X350      | 1250X360X350     | 1600X360X350     | 1950X360X350     | 1950X360X350     | N/A              | N/A              | N/A              |                  |
|                   | Cubical Evap. L x W x H | 900X400X400      | 1250X400X400     | 1125X400X470     | 1380X420X470     | 1380X420X470     | 2100X575X720     | 2100X575X720     | 3100X900X720     | 3100X900X720     |
|                   | Cond. L x W x H         | 990X415X600      | 990X415X600      | 990X415X600      | 1150X550X690     | 1150X550X690     | 1160X465X1307    | 1160X465X1307    | 1160X465X1307    | 1160X465X1307    |

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