

YUHWA-THERMO

— MOVING IN COLD —



ICE-CREAM TRANSPORT EXPERT

YUHWA THERMO electric eutectic coldtube refrigeration unit,
your reliable ice-cream transport solution.

www.vehiclimate.com

VEHICLIMA
ENJOY YOUR TRAVEL

TRANSPORT REFRIGERATION WITH CONFIDENCE

EUTECTIC TRANSPORT REFRIGERATION

The electric eutectic coldtube unit is a holdover or latent heat storage solution. The complete system comprises a single phase or three phase condensing unit and the eutectic coldtube beams (evaporator) mounted internally to the body roof.

The electric eutectic coldtube unit is one of the simplest refrigeration systems and has been around in its basic configuration for many years. Simply, it can be compared to a block of ice in a glass of water or to the freezer pack which you freeze in your fridge at home and put into a cooler box to keep your drinks cold.

The system is plugged into an electrical shore power supply until the tubes are properly frozen, unplugged, and then the vehicle starts its delivery around.



ICE CREAM



FEATURES & ADVANTAGES

- Silent operation
- Low maintenance fees
- Unit longevity
- On road emission free, no fuel costs
- Lower running costs
- Minimal wearing parts
- Assured refrigeration
- Electronic expansion valve

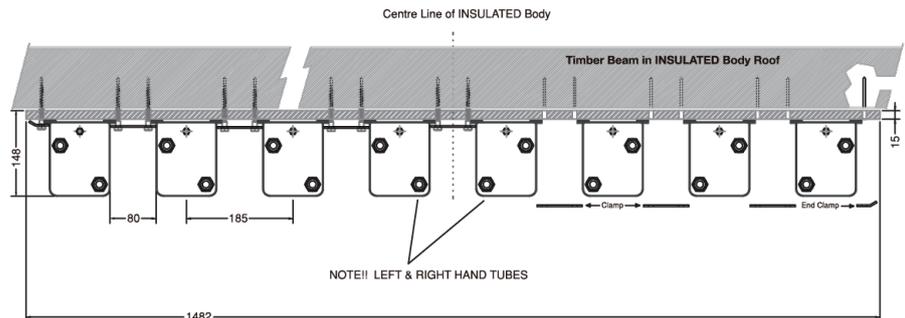


EUTECTIC BEAMS

The coldtube beam is extruded aluminum tube containing a non-toxic eutectic solution with copper tubes built inside. A wide range of solutions is available for various temperature applications.

CONDENSING UNIT

- Semi-hermetic compressor
- Copper tube & aluminum fins heat-exchange coil
- Brushless Motor Fans
- Simple accessible controls
- Nose or under mount
- Auto phase detection and correction



UNIT CAPACITY AND MASS

To provide optimum refrigeration performance, please contact your dealer with specific boxes in order to calculate solution volumes and condenser specifications.

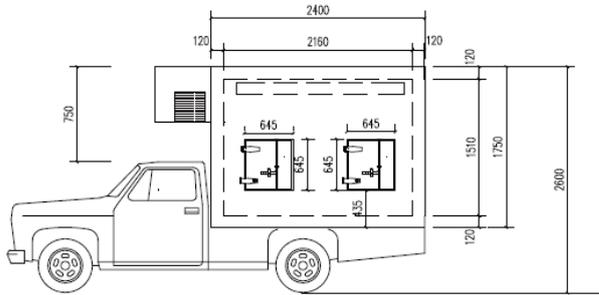
THE FOLLOWING INFORMATION IS REQUIRED:

- Internal body dimensions
- Required transport temperature
- Holdover period required
- Pull down time available
- Number of door openings per day
- Insulation type and thickness

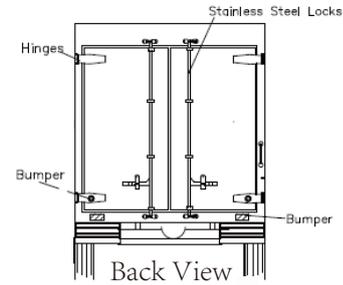


ICE-CREAM TRANSPORTER EXAMPLE PROJECT

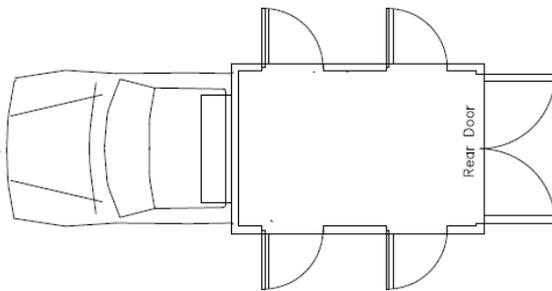
Refrigerated Pickup Box equipped with Yuhwa Thermo electric eutectic refrigeration unit



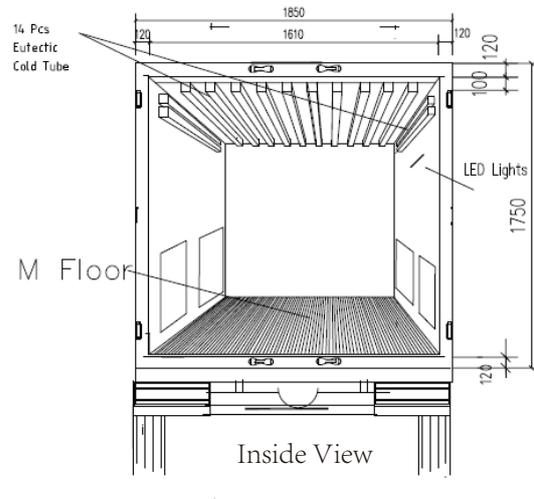
Side View



Back View



Top View



Inside View

Box Overall Dimensions: 2400 (L) X 1850 (W) X 1750 (H) mm

Box Volume: 5.2 m³

Refrigeration: 14pcs eutectic coldtube beams

Transport Temp. Required: -40 °C

Compressor: Bitzer 3P

Power Supply: 380V (50Hz/60Hz) / 3 Phase

Charging Time: approx. 6 ~ 8 Hours

Refrigerant: R404a

YUHWA THERMO insulation box for ice-cream transportation.

- 120mm thickness water-proof panel with 2mm FRP lining.
- PU density no less than 43 kg/m³
- Sandwich panel embedded with strong galvanized steel brackets.
- 45° inclination angle cutting of door panels help to perfectly save cold well in the box.
- Side Doors: 4 pcs (2 pcs left and right side each)
- Non-staining cold resistant rubber, with long service life and does not crack in low temp.





OUR CLIENTS

Wall's



Appolo



Meiji & Prefere & Nestle



Mayile



Export project : Eutectic Coldtube Unit & Insulation Box

