



**Walk-in**  
Cold Rooms  
Trusted Worldwide. Customised For You.



## WORLD-CLASS COLD ROOMS...

Carrier's Cold Rooms are the product of over 110 years of experience in cooling. They come with best-in-world Carrier cooling technology that is trusted by customers in 170 countries. Carrier Cold Rooms with pre-fabricated panels, which can be custom built to meet varied needs, are trusted and relied on daily by businesses across the world.

## CUSTOM DESIGNED BY EXPERTS...

Years of serving the needs of customers with varied needs across the world provides Carrier deep insights into Cold Room applications and helps it to provide the most suitable solutions to its customers.

Cold Rooms can be custom built to meet space and volume requirements - ranging from small units to large refrigerated warehouses. The temperatures can also be regulated to suit the needs of a variety of goods and perishable food items.

Carrier's team of engineers and technical support staff assist consultants in configuring units that meet energy applications. This entails custom designing Cold Rooms with concise drawings and unit specifications, and advising on methods to preserve different products.

Carrier's rich experience allows it to devise solutions for the most novel and complex requirements.



## Carrier offers Cold Room solutions for:

Hotels	Mortuary Cabinets
Hospitals	Hot Rooms
Ice-Cream Makers and Vendors	Drive-in/Walk-in Cold Storages
Meat Processing Units	Blast Freezers
Pharmaceutical Applications	IQF
Super Markets	Pre-Cooling Units
Floriculture	Other Processing Needs
Horticulture	

## BUILT FOR PERFORMANCE...

Every Carrier Cold Room is built with precisely engineered components that are designed to ensure durability and reliability in use. Rigorous quality control tests are done to ensure that each component meets Carrier's global quality standards.

### Panels

High pressure injection moulding equipment is used to inject polyurethane foam (PUF) into the panels. This ensures precision in producing foam of the highest quality, and uniformity of the K factor in panels.

#### Some of the key features of the panels are:

*Prefabricated with polyurethane insulation*

*Rigid and weather proof*

*Two times better quality than polystyrene or mineral wool*

*Light, sturdy and efficient - due to high-pressure foam injection*

*Available in range of thickness - 60mm, 80mm, 100mm, 120mm,*

*150mm and 200 mm*

### Doors

The Carrier Cold Room's door is a product of careful engineering. The door sections are reinforced for rigidity and the threshold is provided with durable Noryl. The standard swing doors are injected with PUF. Sliding doors are provided as an alternative where needed.

### Joints

The elements have tongue and groove joints. They can be assembled by means of eccentric cam locks of mild steel or plastic.

### Floor

Carrier Cold Rooms come with two flooring options:

*Floor panel finished with aluminium chequered sheets*

*Recessed PUF slab insulation finished with tiles*



## ... AND LONG-TERM SAVINGS

Carrier Cold Rooms come with Remote Heat Disposal Systems (or split refrigeration systems), which offer the following cost savings and benefits:

*Increased energy savings*

*Reduced refrigerant charges*

*Extended compressor life*

*High and low pressure controls*

*Copper tube and aluminium fin condenser*

*Large electrical control panel*

*Compressor contractor (start kit)*

*Mounted thermostatic expansion valve(s)*

*Mounted liquid solenoid valve(s)*

*Electric defrost provisions on Low Temperature evaporator(s)*

*Mounted sight-glass with moisture indicator*

*Room thermostat*

*Refrigerant options: Chiller – R22; Freezer – R404A (CFC- free)*



# WIDE RANGE OF SPECIFICATIONS

## PANEL SPECIFICATIONS

Panel Thickness: 60mm / 80mm / 100 mm / 120mm / 150mm / 200mm

Panel Finish: PC / SS / GI / SLAB

PUF Density: 40Kg/m<sup>3</sup>

Thermal Conductivity: 0.019w/mk

Closed Cells: 90-95%

Operating Temperature: -60°C to +80°C

Fire Resistance: Class B

Skin Colour: RAL 9003\*

POSITIVE TEMPERATURE APPLICATION											
Model Description Condensing Unit	Model Description Evaporator Unit	Refrigerant	Evaporator Cooling Capacity kW	Compressor Input Power # kW	Total Input Power * kW	Evaporator Unit			Condensing Unit		
						Length	Depth	Height	Length	Depth	Height
CR-AEHM039X 1Ø	CR-E230N 030X STD	R22	3.0*	1.31	1.56	1050	372	425	975	400	690
CR-AEHM037X - 3Ø	CR-E230N 030X STD	R22	3.0*	1.18	1.43						
CR-AEHM039Z	CR-E230N 030Z STD	R404A	3.0*	1.25	1.50						
CR-AEHM073X	CR-E235N 054X	R22	5.4*	2.29	2.67	1150	420	490	975	400	820
CR-AEHM072Z	CR-E235N 057Z	R404A	5.7*	2.37	3.17						
CR-ADCM 130Z (with Flow Controls)	CR-E335N 078Z	R404A	7.8*	4.89	5.67	1610	420	490	1100	410	900
CR-ADCM130Z **	CR-E340N100Z	R404A	10.0**	5.13	6.06	2212	565	616	1100	410	900
CR-APCM122U SLK	CR-E340N 090U	R410A	12.9*	5.76	6.66	2065	420	540	975	400	820

\*For Positive Temperature Application- Room Temperature +0°C, OAT +35°C, \*\* Room Temperature +13°C, +15°C, OAT +43°C

NEGATIVE TEMPERATURE APPLICATION											
Model Description Condensing Unit	Model Description Evaporator Unit	Refrigerant	Evaporator Cooling Capacity kW	Compressor Input Power # kW	Total Input Power # kW	Evaporator Unit			Condensing Unit		
						Length	Depth	Height	Length	Depth	Height
CR-AEHL023Z	CR-E230E 019Z	R404A	1.9	1.92	2.35	1151	372	425	975	400	820
CR-AEHL025Z	CR-E235E 028Z	R404A	2.50	2.01	2.56						
CR-ATHL 025Z 1Ø	CR-E235E 028Z	R404A	2.50	2.93	3.49	1151	420	490	944	457	720
CR-AEHL038Z	CR-E240E 040Z	R404A	3.80	3.45	4.30	1151	436	540	1060	700	1100
CR-ADCL 063Z	CR-E335E 060Z	R404A	6.00	4.24	5.10	1610	420	490	1060	700	1100
CR-ACSL074Z Single Stage	CR-E245E072Z	R404A	7.2**	7.48	9.58	1570	555	770	1450	1000	860
CR-ADCL 076Z	CR-E245E072Z	R404A	7.2**	5.62	6.79				1060	700	1274

For Negative Temperature Application- Room Temperature -18°C, OAT +35°C, \*\*Room Temperature -22°C

Note :-

- All Dimensions are in mm , Above mentioned dimension are product dimension's only.
- "Total Input Power = Condensing Unit Input Power + Evaporator Unit Input Power"
- Provided "Total Input Power Data" cannot be used for electrical component selection
- "Evaporator Cooling Capacity & Total Input Power" is at rated condition only & It may vary according to application / site / ambient conditions
- Total input power given in "Negative & Positive Temperature Application" is during cooling mode only
- Specification / Data is subjected to change without prior notice
- \*\* This product meant for Banana Ripening application , Room Temperature range (+12°C to +18°C).
- OAT is Outdoor Ambient Temperature



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