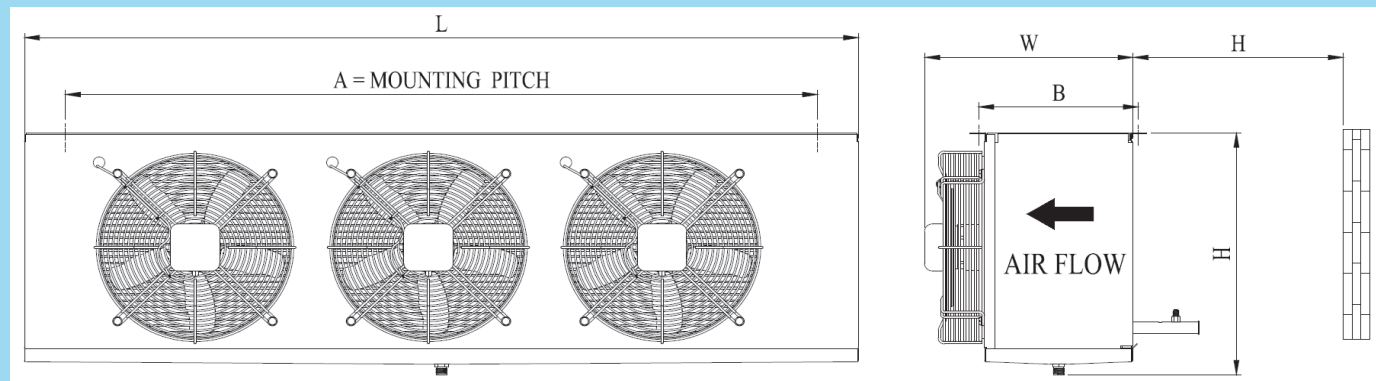


# Dimension Details



Total Commercial Refrigeration Solutions from the experts



# LOW AND MEDIUM TEMPERATURE REFRIGERATION EVAPORATORS



For more details, please contact our sales office:

Corporate & Registered Office: Carrier Airconditioning & Refrigeration Ltd, Kherki Daula Post, Narsingpur, Gurgaon 122004, Tel: 0124-4825500  
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 Revision No. :- 03

MAJOR APPLICATIONS: • DAIRY • PHARMA • FRUITS & VEGETABLES • FLORICULTURE • FROZEN FOODS • ICE CREAM • FISHERIES

# LOW & MEDIUM TEMPERATURE REFRIGERATION EVAPORATORS



## Features

- ENVIRONMENT FRIENDLY**
  - CFC free R404a refrigerants to improve sustainability
  - R-22 in select models
- ECONOMICAL & CONVENIENT**
  - Sleek compact design
  - Factory engineered product to reduce field installation
  - Easy access for trouble shooting
  - Powder coated casing with SS fasteners
- RELIABLE**
  - Inbuilt flow controls
  - Robust environment protection enclosure for controller
  - Better air flow

- ENERGY EFFICIENCY**
  - Expansion device such as expansion valve or capillary provided in all models
  - Optimized design for proper heat transfer
- ELECTRICAL SAFETY**
  - External rotor fan motor in select models
  - All safety interlocks installed and prewired at factory
  - Solenoid Valve & Electric Defrost Heaters in Low temp. evaporators
  - Heater safety switch to protect against excessive temperature rise during defrost in low temperature models
  - Integrated control panel for ease of installation

Note: Check features availability in respective models

## APPLICATIONS:

DAIRY

PHARMA

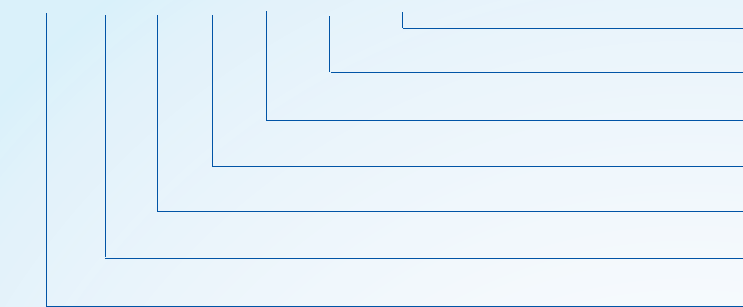
FRUITS & VEGETABLES

FLORICULTURE

MANY MORE...

# Model Description

CR - E 2 35 N XXX Z



- Refrigerant Z - R404a, Y - R134a, X - R22
- Refrigeration Capacity = XXX/10 in kW \*
- Type of Defrost, N : Natural , E : Electric
- Fan Motor Dia. in Centimeter
- No. of Fan Motor, 2 , 3 , 4 , 5
- Evaporator
- Carrier Refrigeration

## SELECTION DATA

MODEL	Cooling Capacity (kW)	Total Air flow, m <sup>3</sup> /hr #	Air Throw, Meter #	Fans Nos. x watt	Coil Heater (W)	Drain Pan Heater (W)	Expansion Device	Solenoid Valve	Controller	Connection (Inches)		Product Dimn. LxDxH, (mm)	Mtg. Pitch A x B (mm)	Net Weight, (Kg)
										Suction	Liquid			
Medium Temperature														
CR-E230N 030Z STD	3.0	2616	5.2	2x72	-	-	Capillary or TXV	-	✓	7/8"	3/8"	1050x372x425	392x308	35
CR-E235N 057Z	5.7	4501	7.3	2x135	-	-	TXV	-	✓	7/8"	3/8"	1150x420x490	993x308	40
CR-E335N 078Z	7.8	6751	7.3	3x135	-	-	TXV	-	✓	7/8"	3/8"	1610x420x490	1450x308	55
CR-E340N 100Z **	10.0	12121	11.6	3x185	-	-	TXV	-	✓	7/8"	3/8"	2212x565x616	640(3)x470	85
Low Temperature														
CR-E230E 019Z	1.9	2616	5.2	2x72	1500	1500	TXV	✓	-	7/8"	3/8"	1151x372x425	993x308	35
CR-E235E 028Z	2.8	3723	5.5	2x135	1500	1500	TXV	✓	-	7/8"	3/8"	1151x420x490	993x308	40
CR-E240E 040Z	4.0	4788	10.0	2x190	2x1500	1500	TXV	✓	-	7/8"	3/8"	1151x436x540	993x308	45
CR-E335E 060Z	6.0	6751	6.7	3x163	2x1500	1500	TXV	✓	-	7/8"	3/8"	1610x420x490	1450x308	60
CR-E245E072Z <sup>##</sup>	7.2	7312	16.0	2x340	2x1500	1500	TXV	✓	-	1 1/8"	1/2"	1570x554x770	640(2)x470	80
CR-E345E 108Z	10.8	10968	14.0	3x350	3x2000	2000	-	-	-	1 3/8"	7/8"	2205x554x770	640(3)x470	108
CR-E445E 136Z	13.6	14624	14.0	4x350	3x3000	3000	-	-	-	1 3/8"	7/8"	2850x554x770	640(4)x470	148

### Note:-

Performance stated above are subject to ±7% variation.  
 \*Medium Temperature range @ Evaporating -8°C ,TD 8K .  
 \* Low Temperature range @ Evaporating -25°C ,TD 7K , <sup>##</sup>Evaporating -25°C ,TD 8K  
 \*\* Cooling capacity @ Average Room Temp. 13°C , CDU Ambient Temperature 35°C.  
 # Air Flow & Air Throw values are provided @ NTP conditions. (Air at 20°C,1 atm & density 1.204 kg/m<sup>3</sup>)  
 Net Weights are given with ±7% tolerance.  
 For details refer Technical detail sheet of the Evaporator.  
 Details provided above are for information and are subject to change without notice.

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