

CAKE DISPLAY SHOWCASE WITH INVERTER SYSTEM



RECTANGULAR SHOWCASE



CURVE SHOWCASE

Presenting Our Eco-Friendly Cake Display Showcase with Inverter Compressor System – Combining elegance and efficiency, this cake display is designed to highlight your finest creations while minimizing environmental impact. Equipped with an advanced inverter compressor, it ensures reduced energy consumption, providing consistent cooling while showcasing your cakes in the ideal climate.

The efficient cooling system preserves freshness, maintains optimal humidity, and keeps energy costs low. Whether for a bakery, cafe, or patisserie, this display not only enhances presentation with its sleek design but also aligns with sustainable business practices. Perfect for those who value both aesthetics and eco-conscious performance.



Cake Display Series

03-04

Inverter Compressor System

05-06

FEATURES & CONFIGURATIONS

- Top & bottom and each shelf internal LED light.
- 4 universal castors with 2 feet.
- Double layer hollow tempered glass with electrical heating. High transparency, safety and reliability. The temperature of electrical heating is even. Under 30°C ambient temperature, 70% humidity is bearable.
- The side glass window has a demist wind path. Make use of the auto heat output of the refrigeration system to demist the side glass windows. More energy saving, safer and more environmentally friendly.
- All imported refrigeration parts. High refrigeration efficiency of Embraco Inverter compressor and Italian DLXELL automatic temperature controller.
- Humanization design and customer tailor-made satisfy the diversified requirements of customers.
- Strong refrigeration performance and steady temperature, guarantee the mouth feel of cakes to the maximum.



38°C - 43°C
ambience Inverter
Compressor Forced Air
circulation Defrosting by
heating element Evaporated
by hot gas R-290



DN-IDS900-R / DN-IDS1200-R
DN-IDS1500-R / DN-IDS1800-R



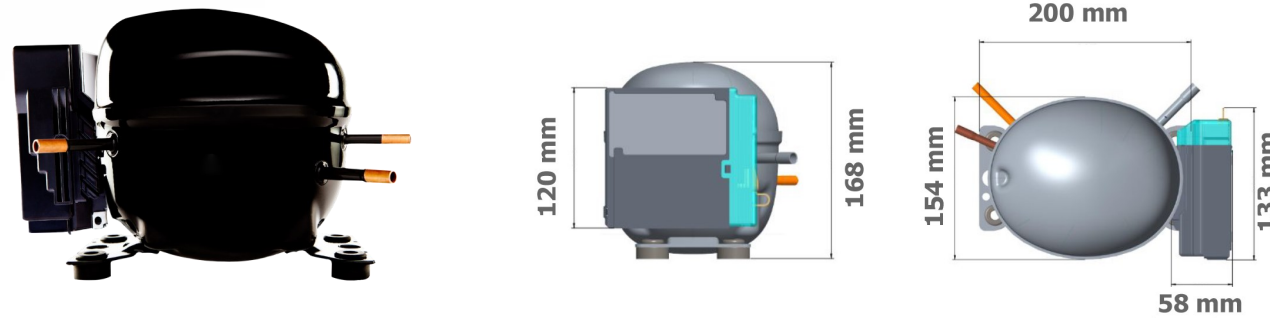
DN-IDS900-C / DN-IDS1200-C
DN-IDS1500-C / DN-IDS1800-C

Model No	DN-IDS900-R DN-IDS900-C	DN-IDS1200-R DN-IDS1200-C	DN-IDS1500-R DN-IDS1500-C	DN-IDS1800-R DN-IDS1800-C
Net Volume (L)	230L	300L	380L	460L
External Dimension (W x D x H mm)	900 x 670 x 1200	1200 x 670 x 1200	1500 x 670 x 1200	1800 x 670 x 1200
Cooling Type	Ventilated			
Defrosting Type	Automatic			
Temperature Range (°C)	+2°C ~ +8°C	+2°C ~ +8°C	+2°C ~ +8°C	+2°C ~ +8°C
Ambient Temperature (°C)	30°C	30°C	30°C	30°C
Refrigerant	R-290	R-290	R-290	R-290
Voltage / Frequency	220V / 50-60 Hz			
Rated Power / Current	259W / 1.3A			
Phase	Single Phase			
Compressor Model	VEMT406U			
Shelf	3	3	3	3
Type	Chiller	Chiller	Chiller	Chiller

Warranty: One-year parts & labor for entire unit, 2nd year on compressor only, excluding doors & exterior damages.

Main Component

EMBRACO COMPRESSOR (Inverter) Series

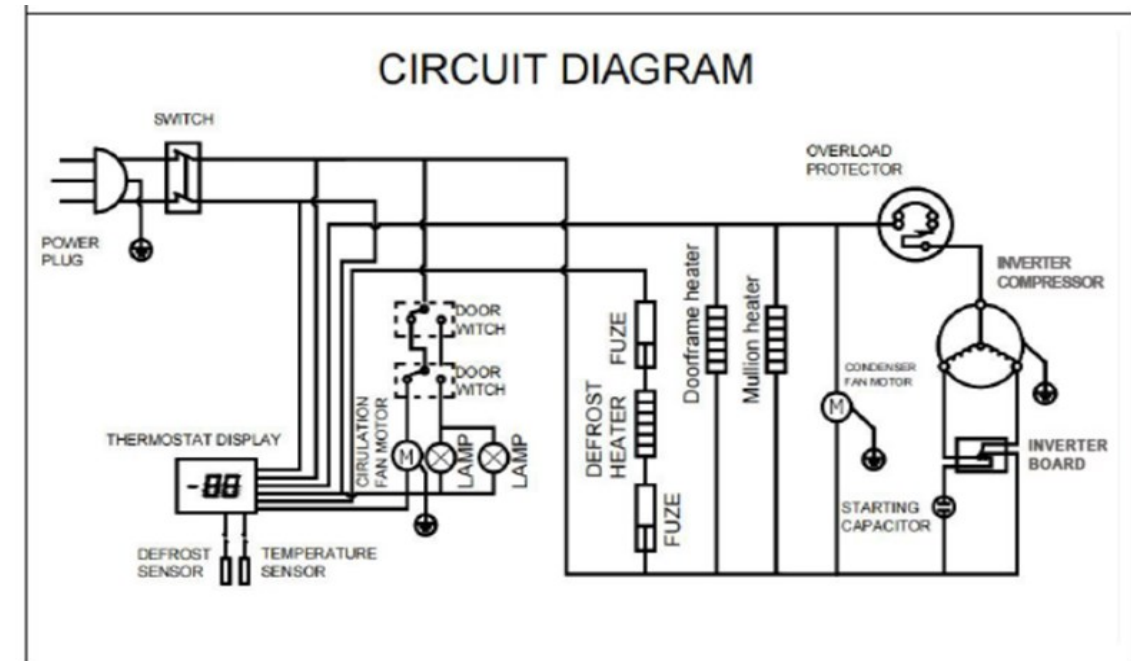


Embraco variable speed compressors are a solution for residential and commercial applications which demand fast cooling, low energy consumption, operate with a low starting voltage and with a wide operating range, low noise and vibration levels. The variable speed compressor associated with an inverter allows the compressor to run in different RPM, delivering the cooling capacity needed according to the thermal load.

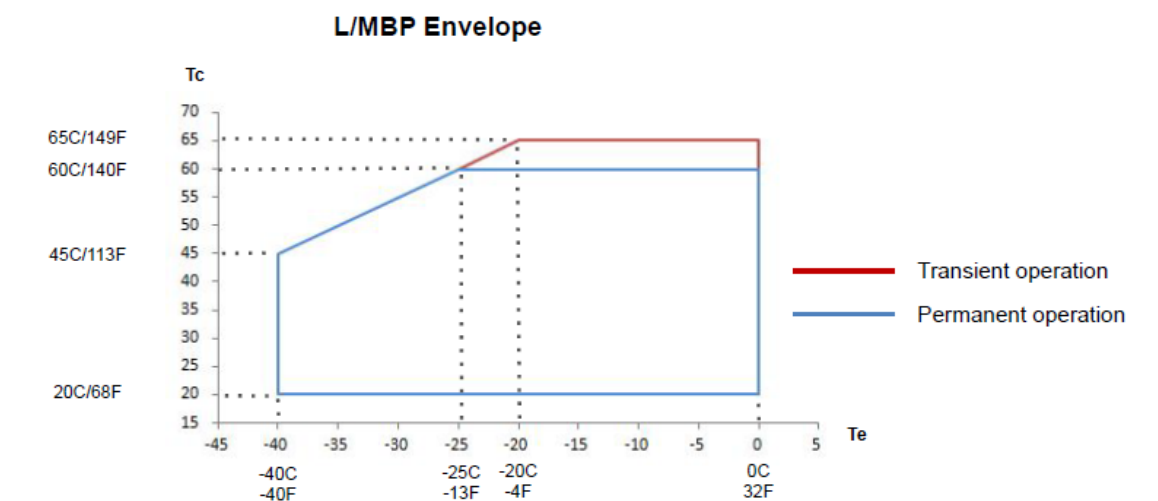
FEATURES

- **Efficiency:** Higher EER on R290 for commercial applications at variable speed
- **Wide Voltage Range:** Guarantee for the equipment to run even with voltage fluctuation
- **Environmentally Friendly:** Uses R290 natural refrigerant with no impact on the ozone layer (GWP: 3)
- **Lower Noise & Less Vibrations:** Consistent noise level reduction
- **Longer Expected Lifespan:** Softer startup, lower stress on mechanical and electrical parts

Model No	VENT406U	VEHT409U	VEHU413U
Nominal Voltage (V)	115-240V	115-240V / 220-240V	115-240V / 220-240V
Frequency (Hz)	50-60Hz		
Disp (CC)	6.36	9.04	12.74
Refrigerant	R-290		
Inverter - Power Input	400W DV	550W DV / 1000W PFC	1000W DV / 1000W PFC
Operating Temperature	+0°C ~ -40°C		
Speed Range (RPM)	1600 to 4500		
Cap Range - Cooling Capacity	155 - 445	228 - 675	343 - 939
Max Coefficient of Performance (W / W)	1.72	1.79	1.71



L/MBP (Low/Medium Back Pressure) Compressor Operating Envelope



Insights:

- The condensing temperature can go up to 60°C (140°F) in continuous operation but can spike up to 65°C (149°F) transiently.
- The evaporating temperature can drop as low as -35°C for safe continuous use, with the compressor capable of handling even lower temperatures (-40°C), but only temporarily.
- The graph shows the compressor's performance limitations and indicates where it performs best without risking damage due to excessive pressure or temperature extremes.

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