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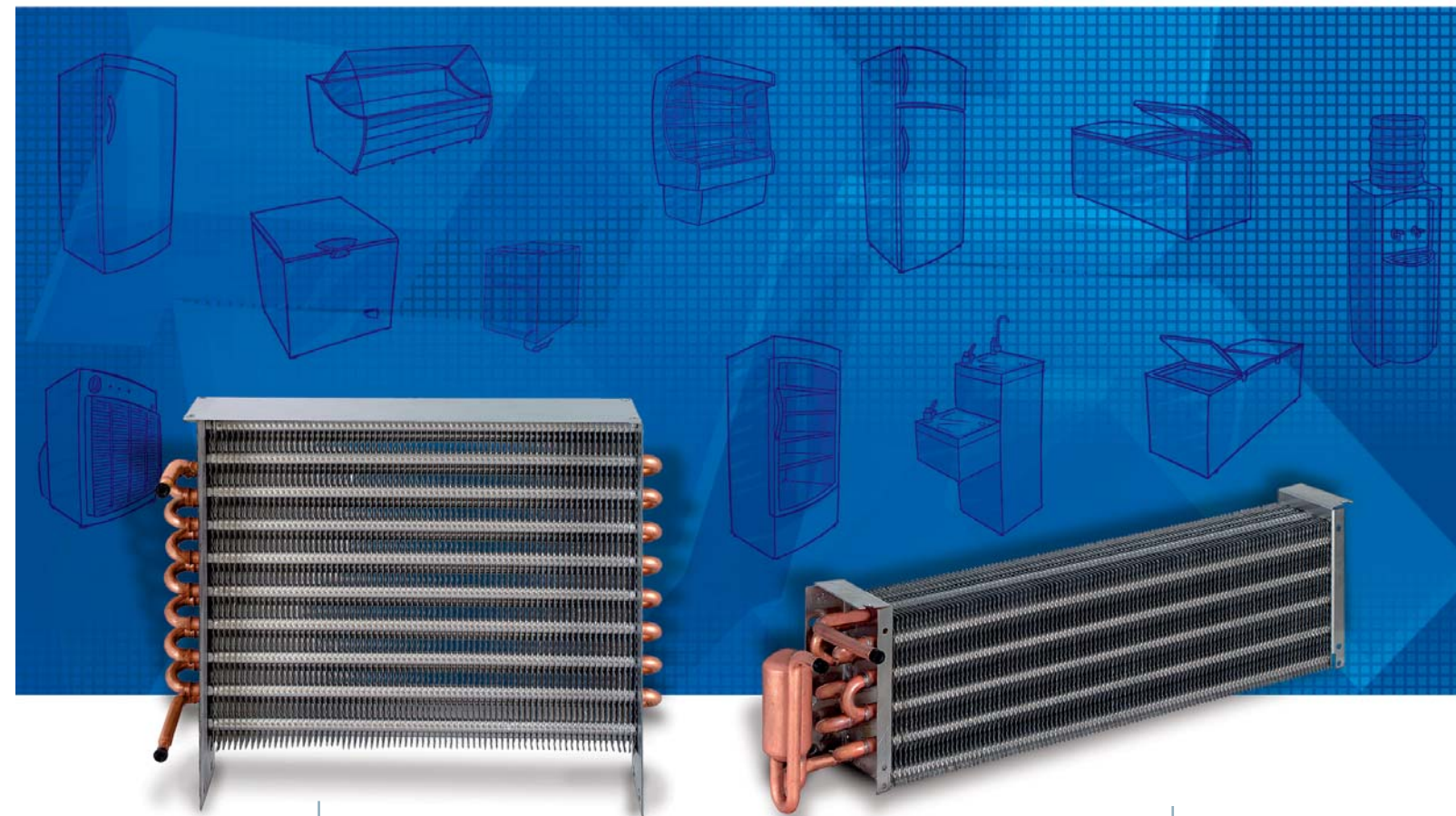
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Soluções

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HEAT EXCHANGERS



www.embraco.com



Embraco is participating in the United Nations Global Compact.

Creating solutions for commercial refrigeration.

Embraco Cooling Solutions, Embraco's business unit of solutions for refrigeration, is launching its line of heat exchangers (evaporators and condensers). Through the offering of these new products, Embraco is consolidating even further its presence in the commercial refrigeration market.

Embraco Cooling Solutions and its clients, solutions are developed to fully meet the needs of the most diverse applications, such as walk-in coolers, display cases, refrigerators, automatic refrigeration machines, special projects and others.

The line of heat exchangers has been developed within the globally renowned technological and quality standards of the Embraco brand. Through a strong partnership between

Embraco Cooling Solutions relies on an engineering team dedicated to the development of new applications, and to the technical support to customers, as well as a broad network of certified laboratories located in several parts of the world.



Specifications

Possible variations of the components of the heat exchangers, offered by **Embraco Cooling Solutions**:

Type of the exchanger: copper tubes and aluminum fin (optional: fin-less)

Structures and headers: galvanized steel and/or aluminum.

Copper pipes

- ▶ diameter 3/8" (diameter 5/16" upon request)
- ▶ smooth or grooved internal wall
- ▶ walls from 0.3 mm (0.01") to 0.6 mm (0.02") thickness

Painting: Optional powder painting, black or white

Manifold, terminals and shroud: (upon request)

Approvals: UL, NSF, CE (upon request)

Aluminum fins

- ▶ profile: pyramid, louver, V-waffle, sinusoidal
- ▶ self-spaced fins
- ▶ corrugated or smooth edges
- ▶ fins spacing from 6 to 14 fins / inch (Other spacing under consultation)

Special applications and subsets

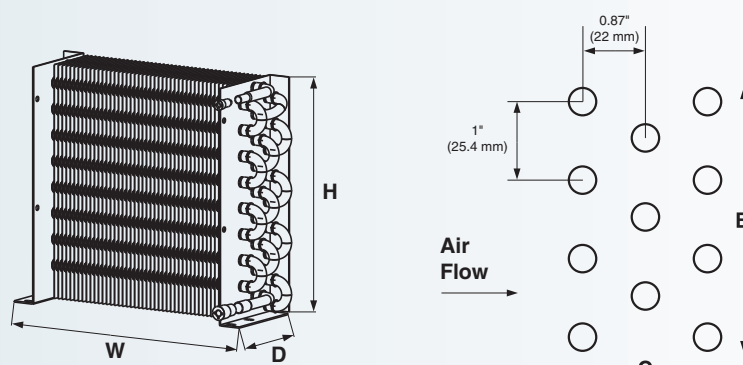
(defrosting, fairings, etc.): (upon request)

Circuit

- ▶ spacing between tubes (direction "B"): 1" (25.4 mm)
- ▶ spacing between tube rows (direction "C"): 0.87" (22.0 mm)

Maximum dimensions

- ▶ width (W): 60" (1524 mm)
- ▶ height (H): 45" (1143 mm)
- ▶ depth (D): 5.20" (132 mm)



Vision

To be, in all markets, the preferred provider of refrigeration solutions.

Mission

To offer innovative solutions for a better life quality.

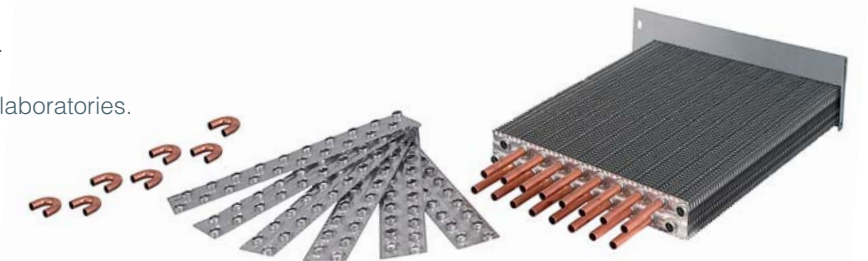
Standard Line

In addition to the development of customized solutions for its costumers, **Embraco Cooling Solutions** offers a standard product line for the aftermarket and standardized applications.

Code	Commercial Reference HP	Number of Tubes	External Dimensions inch			Shroud inch	Fins / inch
			Width W	Height H	Depth D		
215332008	1/5	8	10 9/16	9 1/2	3 5/16	-	7
215332004	1/4	12	10 9/16	9 1/2	3 5/16	-	6
215332003	1/3	16	10 9/16	9 1/2	3 5/16	-	6
215332002	1/2	16	14 1/16	11 1/2	3 5/16	-	6
215332007	3/4	30	14 3/16	10 5/8	3 1/16	10 1/4	8
215332036	1	48	15 3/16	12 1/2	5 5/16	10 1/4	8
215832004	1	36	26 3/4	12 3/8	4 5/8	2 x 10 1/4	8
215332019	1 1/4	42	26 3/4	14 3/8	4 5/8	2 x 10 1/4	8

Advantages

- ▶ Optimized costs and development time.
- ▶ Technical assistance with support from laboratories.
- ▶ Advanced technical solutions.
- ▶ Embraco quality standards.



Examples of Heat Exchangers

