

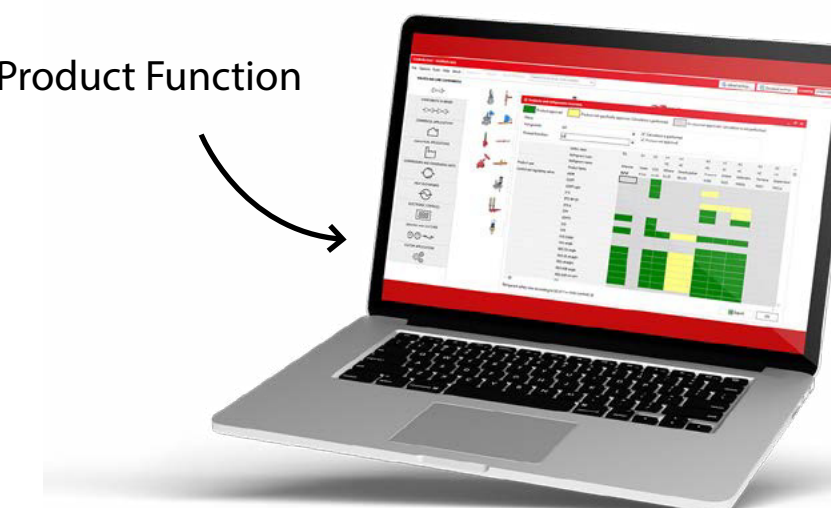
Precision cooling for consistent output

Complete refrigeration solutions for commercial ice cream machines

Soft-serve ice cream machines and batch ice cream makers allow businesses to create a variety of frozen treats, including gelato, frozen yogurt, sorbet, and soft-serve. Danfoss offers a complete portfolio of solutions for commercial ice cream making machines, ensuring efficient and reliable operation even in high-ambient temperatures. Our precision-engineered components help manufacturers deliver smooth, creamy, and consistent ice cream with every serving.

To reach the Products and Refrigerants Overview in Coolselector®:

1. Enter Coolselector online: [Coolselector \(danfoss.com\)](https://coolselector.danfoss.com)
2. Select Tools -> Products and Refrigerants Overview
3. Filter by Refrigerants and Product Function





Solutions for ice cream machines

High-quality ice cream starts with precision temperature control, energy-efficient components, and reliable performance—even under demanding conditions. Designed to operate efficiently in high-ambient temperatures and compact spaces, Danfoss refrigeration solutions enable optimal performance for soft ice cream machines. By ensuring premium quality while minimizing energy use, they are the ideal choice for cafés, restaurants, and convenience stores worldwide.



Food safety & compliance

Stainless steel components and strict temperature regulations meet HACCP standards for customer safety and satisfaction.

Reliable performance

Reduce operational costs without sacrificing quality, with durable components designed for continuous use.

Superior quality & consistency

Maintain the perfect texture and flavor with precise temperature control and high-quality materials.

High capacity & global support

Maximize production efficiency with robust components, minimal downtime, and worldwide availability of spare parts.

Proof of performance

Compressors (MLZ, LCC, Bock)

High-efficiency compressors provide stable and reliable cooling, ensuring optimal ice cream texture and minimizing energy consumption. You get:

- Consistent freezing performance for uniform texture
- Reduced energy costs with optimized efficiency
- Reliable operation in varying load conditions

Expansion valves (TU, TD1, ETS 5M)

By using expansion valve instead of a capillary tube, you can:

- Achieve precise refrigerant control for smooth, creamy ice cream
- Improve energy efficiency by adapting to fluctuating cooling demands
- Reduce recovery time, ensuring faster response to temperature changes

Heat exchangers (MCHE, BPHE, MPHE)

Upgrading to a high-efficiency heat exchanger provides:

- Faster and more effective heat transfer for stable cooling
- Reduced refrigerant charge, improving sustainability
- Compact design with enhanced durability and performance

For 24/7 support, we have developed intuitive **tools and apps** helping you to make the right product selection, choose an alternative refrigerant, troubleshoot your installation or be trained on natural refrigerants or latest Danfoss Climate Solutions products.

RefTools

The essential all-in-one mobile application for air conditioning and refrigeration technicians. Get seven powerful tools to support your refrigerant journey all from the palm of your hand.

Download it here

Coolselector®2

Significantly reduces complexity on the job by running unbiased calculations based on a set of operating conditions to determine the best components for your design.

Download it here

Danfoss Product Store

Your one-stop shop for everything product related – no matter where you are in the world or what area of the cooling industry you work in. Get quick access to essential information like product specs, code numbers, technical documentation, certifications, accessories and more.

Access it

Any information, including, but not limited to information on selection of product, its application or use, product design, weight, dimensions, capacity or any other technical data in product manuals, catalogues descriptions, advertisements, etc. and whether made available in writing, orally, electronically, online or via download, shall be considered informative, and is only binding if and to the extent, explicit reference is made in a quotation or order confirmation. Danfoss cannot accept any responsibility for possible errors in catalogues, brochures, videos and other material. Danfoss reserves the right to alter its products without notice. This also applies to products ordered but not delivered provided that such alterations can be made without changes to form, fit or function of the product. All trademarks in this material are property of Danfoss A/S or Danfoss group companies. Danfoss and the Danfoss logo are trademarks of Danfoss A/S. All rights reserved.