

# Inventus C, M and F Chillers and Freezers



**Chiller and freezer cabinets from professionals to professionals**

Inventus is a chiller and freezer collection developed for heavy use and demanding conditions. Inventus is synonymous with more durable and better. Professional kitchens and bakeries face different challenges compared to commercial restaurants or shops.

For example, the higher temperature of a commercial kitchen environment requires more performance from refrigeration unit components and insulators. Inventus is also an excellent solution for store and café environments.

The products in the Inventus family are made of high-quality and long-lasting components, and the solutions found in the product range are needed for every need.

**Three sizes: 6, 7, 8 and three storage temperature ranges: C, M, F**

Cabinets are available in three different sizes - Inventus C6, M6, C7, M7 and C8, M8. Inventus F6, F7 and F8 are available as freezers, respectively.

Inventus C7, M7 and F7 cabinets can use GN 2/1 depth shelves, baskets and GN containers or two GN 1/1 containers in a row.

Models C8, M8 and F8 can be used with GN 2/1 width shelves, baskets and GN containers. For smaller Inventus C6, M6 and F6 models, shelves and / or baking trays with a size of 400x600 mm are suitable. Inventus cabinets utilize high-quality stainless steel AISI 304.

**Inventus C, M and F benefits**

Learn more about the benefits of the Inventus product family on pages 6-7.

**Additional functionalities and accessories for Inventus C, M and F models**

Various additional functionalities and accessories can be utilized, such as the Inventus bakery system or, for example, wheels instead of legs.

In addition to the Inventus C, M and F models, the Inventus product range offers solutions for many different needs. A wide range of refrigerators, freezers and blast chillers and blast chillers / blast freezers are available

## Technical data, Chiller cabinets

## Technical data, Freezer cabinets

INVENTUS		C6	C7	C8	M6	M7	M8	F6	F7	F8
Energy efficiency class		<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>	<b>C</b>	<b>B</b>	<b>B</b>
Energy efficiency index (EEI)		34,55	32,64	32,61	34,55	32,64	32,61	36,30	31,10	31,10
Energy consumption, 24h (E 24h)	kWh	1,08	1,24	1,24	1,08	1,24	1,24	3,05	3,24	3,24
Annual energy consumption	kWh	394	453	453	394	453	453	1113	1184	1184
Electricity cost in 8 years (0,20/kWh)	EUR	631	724	724	631	724	724	1781	1894	1894
Volume, gross	dm <sup>3</sup>	421	609	619	421	609	619	421	609	619
Volume, net	dm <sup>3</sup>	324	473	474	324	473	474	324	473	474
Climate class		5	5	5	5	5	5	5	5	5

**This appliance is intended for use in ambient temperatures up to 40 °C**

External width	mm	600	730	850	600	730	850	600	730	850
External depth	mm	760	870	750	760	870	750	760	870	750
External height/standard legs	mm	2100	2100	2100	2100	2100	2100	2100	2100	2100
External height/low legs	mm	2050	2050	2050	2050	2050	2050	2050	2050	2050
External height/casters	mm	2080	2080	2080	2080	2080	2080	2080	2080	2080
Internal width	mm	404	534	654	404	534	654	404	534	654
Internal depth	mm	610	675	555	610	675	555	610	675	555
Internal height	mm	1485	1485	1485	1485	1485	1485	1485	1485	1485
Shelves (4 pcs), width	mm	401	531	651	401	531	651	400	531	651
Shelves, depth	mm	600	660	540	600	660	540	600	660	540
Maximum load / shelf	kg	70	70	70	70	70	70	70	70	70
Maximum load / cabinet	kg	280	280	280	280	280	280	280	280	280
Ambient temperature range	°C	+10...+40	+10...+40	+10...+40	+10...+40	+10...+40	+10...+40	+10...+40	+10...+40	+10...+40
Storage temperature range	°C	+1...+12	+1...+12	+1...+12	-5...+12	-5...+12	-5...+12	-26...-15	-26...-15	-26...-15
<b>Plug-in -model:</b>										
Weight, gross	kg	142	162	162	142	162	162	142	162	162
Weight, net	kg	132	152	152	132	152	152	132	152	152
Nominal power	W	300	300	300	300	300	300	420	420	420
Cord length	m	3	3	3	3	3	3	3	3	3
Refrigerant, R290	g	115	110	110	115	110	110	83	90	90
Fuse, slow	A	10	10	10	10	10	10	10	10	10
Voltage/Frequency	V/Hz	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50
Sound pressure level	dB(A)	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Defrost method		Off-cycle	Off-cycle	Off-cycle	Hot gas	Hot gas	Hot gas	Hot gas	Hot gas	Hot gas

<b>Central cooling -model R452A, R744 (CO<sub>2</sub>)</b>		<b>C6 CC</b>	<b>C7 CC</b>	<b>C8 CC</b>	<b>F6 CC</b>	<b>F7 CC</b>	<b>F8 CC</b>	<b>Additional functionalities and accessories</b>		
Weight, gross	kg	132	152	152	132	152	152	<ul style="list-style-type: none"> <li>• Bakery shelf system (C7 and C8, M7 and M8, F7 and F8)</li> <li>• Electronic iLOQ locking system</li> <li>• Central machine connection capability also for R744 systems</li> <li>• Stainless steel wire shelf</li> <li>• Stainless steel panel shelf</li> <li>• Stainless steel basket shelf (available for C7, C8, M7, M8, F7 and F8)</li> <li>• Wheels instead of legs, two lockable</li> <li>• Short legs instead of long legs, adjustment 70 mm - 105 mm</li> <li>• Foot pedal</li> </ul>		
Weight, net	kg	122	142	142	122	142	142			
Heat extraction rate	W	450	450	450	310	310	310			
Evaporation temperature	C	-10	-10	-10	-28	-28	-28			
Maximum allowable pressure PS R452A/R744	Bar	34/60	34/60	34/60	34/60	34/60	34/60			
Nominal power	W	100	100	100	440	490	490			
Voltage/Frequency	V/Hz	230/50-60	230/50-60	230/50-60	230/50-60	230/50-60	230/50-60			
Defrost method		Off-cycle	Off-cycle	Off-cycle	Electrical	Electrical	Electrical			

### Features

- Control unit with clear numeric display for temperature and other functions
- Key lock
- Can be connected to a remote system via an optional adapter
- Minimum and maximum temperature recording
- Visual "high temperature" and "low temperature" alarm
- Visual alarm of a broken sensor
- Visual alarm of a clogged condenser
- Door switch for luminaire and fan control and Door open alarm

- The outer surface is made of stainless steel, the inner surface is made of stainless steel (AISI 304 austenitic stainless steel)
- Anti-tilt shelf supports
- Molded environmentally friendly HFC-free polyurethane insulation
- C7, M7 and F7 are dimensioned for GN 2/1 and GN 1/1 containers. In C7, M7 and F7, the vessel is in depth. Instead of one GN 2/1 container, two GN 1/1 containers can be used in succession
- C8, M8 and F8 are dimensioned for GN 2/1 containers. In C8, M8 and F8, the container is widthwise

- Four painted wire rack shelves, adjustable in 56 mm increments
- Lockable door, tool-free replaceable magnetic seal and durable spring hinges to keep the door open at a 90-degree angle
- Efficient and energy-saving cooling system with R290 refrigerant
- Stainless steel legs, adjustment range 130 mm - 205 mm
- Power supply 230 V / 50 Hz