



GET IN TOUCH :

- ✉ sales@coldtechindia.com | info@coldtechindia.com
- ☎ +91 9978607721 | +91 9825407721
- 🌐 www.coldtechindia.com

COLDTECH ENGINEERING PVT. LTD.

Innovation leads technology and changes the world



Ice Cream Freezer Series

CACF Series

FEATURES

- High flexibility in production.
- High quality materials to grant sturdiness, strength and long endurance.
- Accurate design, studied to have easy access to the parts subject to normal wear and tear, for quick maintenance. The shell-and-tube water condenser can be opened and cleaned (both mechanically and chemically).
- Semi-hermetic piston compressor (which can be open for technical intervention in case of breakdown), more reliable and efficient than an hermetic compressor
- Automatic regulation of freezing barrel's pressure
- Possibility to fine regulate the hot gasses
- All models are prepared for connection with the C.I.P. (cleaning in place) unit.
- High performance refrigeration system.
- Production of hard ice cream, up to a temperature of -7° C.
- One set of standard spare parts included with the machine.
- Ready for production after connection to electricity and water sources.
- All our freezers follow the ISO standards, the hygienic and anti-pollution rules in force.



NO	PARAMETERS	UNIT	CACF600	CACF1000	CACF2000	
1	Maximum Capacity (expansion 100%)	L/H	600	1000	2000	
	Feed Temperature	°C	+2-+4	+2-+4	+2-+4	
	Discharge Temperature	°C	≤-4	≤-4	≤-4	
	Evaporating Temperature	°C	-30	-30	-30	
	Air-return Temperature	°C	-34	-34	-34	
	Oil Content	PPM	≤30	≤30	<30	
2	Refrigerant	-	R404A	Ammonia	Ammonia	
3	Cooling Capacity	KCAL/KW	14600 /13	27000/31	56000/65	
4	Compressed Air	Pressure	MPA	-	≥0.6	≥0.6
		Consumption	M ³ /MIN	-	2	3.5
		Tube	MM	-	6	6
5	Piping System (External Dimensions)	Feeding Pipe	MM	-	25	25
		Discharge Pipe	MM	-	38	38
		Air-return Conduit	MM	-	48	76
		Hot Ammonia Pipe	MM	-	18	22
		Emptying Pipe	MM	-	18	22
		Safety Pipeline	MM	-	18	27
6	Power	Stirrer Motor	KW	5.5	15	22
		Feed Pump Motor	KW	0.75	0.75	2.2
		Power Standard	Phase/V/Hz	3/420/50	3/420/50	3/420/50
7	Dimension(L x W x H)	MM	1300 x 780 x 1670	1820 x 830 x 2160	2500 x 900 x 2100	
8	Weight	T	0.5	1.3	2.0	

NO	MODEL	CCF100	CCF200	CCF400	CCF600
1	Ice cream production (Ltr/hr)	50- 100	100- 200	200- 400	200- 600
2	Inlet ice-cream mix temperature	+4°C	+4°C	+4°C	+4°C
3	Outlet ice-cream temperature	-8°/-5.5°C	-8°/-5.5°C	-8°/-5°C	-8°/-5.5°C
4	Overrun up to	120%	120%	120%	120%
REFRIGERATION FEATURES					
5	Refrigeration capacity at -35°/+35°C	2400 kcal/hr	5000 kcal/hr	6300 kcal/hr	8800 kcal/hr
6	Refrigerant gas	R404A	R404A	R404A	R404A
CONDENSATION WATER					
7	With tap water +15°/+18°C: (Ltr/hr)	200	600	800	1050
8	Minimum pressure (bar)	1.5	1.5	1.5	1.5
9	In circulation (Ltr/hr)	1500	2000	2600	3400
10	With tower water +25°/+28°C:	3-5% of water circulation load			
11	Minimum pressure (bar)	1.5	1.5	1.5	1.5
ELECTRICAL FEATURES					
12	Dasher motor (kW)	0.75	1.5	3.75	5.6
13	Extraction pump	-	-	-	-
14	Air mix pump motor (kW)	0.37	0.75	1.1	1.5
15	Refrigeration compressor (kW)	3	5	10	13
16	Total installed power (kW)	4.12	7.25	14.85	20.1
17	Voltage, Frequency, Phase	415 Volt (*), 50 Hz (*), 3 PH	415 Volt (*), 50 Hz (*), 3 PH	415 Volt (*), 50 Hz (*), 3 PH	415 Volt (*), 50 Hz (*), 3 PH
DIMENSIONS AND NET WEIGHT					
20	(L x W x H)	1080 x 650 x 950	1312 x 660 x 1210	1515 x 895 x 1230	2005 x 975 x 1240
21	Net weight (Kg)	152	310	360	577

COMPLETE OF:

- Built-in Freon R 404-A refrigeration compressor.
- Dasher motor.
- Double air-mix pistons pump.
- Inclined freezing barrel (innovation introduced for the best energy saving and for maintenance and cleaning easiness) complete with dasher and scraping blades.
- Safety sanitary valve of the pressure inside the freezing barrel
- Pneumatic valve for the automatic regulation of the ice cream pressure inside the freezing barrel.
- Built-in CIP program.
- Prepared for connection to the CIP system.
- Connections with sanitary pipings.
- Filtering/sterilizing group for compressed air including high efficiency/activated carbon filters and sterilizer (absolute) filter with regenerable Teflon cartridge.

