

STATIC COOLING SYSTEM

CCF SERIES



INTRODUCTION

The CCF series of chest type optimized for preservation of chilly air is a dual cooling system of independent structure to provide a high cooling performance and the best safety for storage of samples.

UDSscientific
ULTRA-LOW TEMPERATURE FREEZERS

CCF SERIES KEY FEATURES

Inner cover

The inner cover of soft polypropylene material is strong and practical against damage, and is effective for interception of outflow of chilly air from the inside of the refrigerator.



Door handle (locking system)

The simple and robust door handle can be easily and conveniently used by anyone and is equipped with locking devices to allow access only to the authorized minimum personnel.





Main body of 100mm insulation thickness

The main body robustly foamed with 100mm thick polyurethane can exert the best insulation performance to block the loss of chilly air.

Chart recorder (option)

It is possible to install a chart recorder with excellent readability.



Simplified structure design

The simplified machine room in an innovative structure design of independent cooling type can much reduce generation of heat by compressors, and the application of block condensers without pins and filters eliminates the necessity of maintenance such as replacement or cleaning.



Digital controller

It is convenient to use this machine by applying a digital temp controller equipped with the user-friendly designed display.

STATIC COOLING SYSTEM
CCF-15D

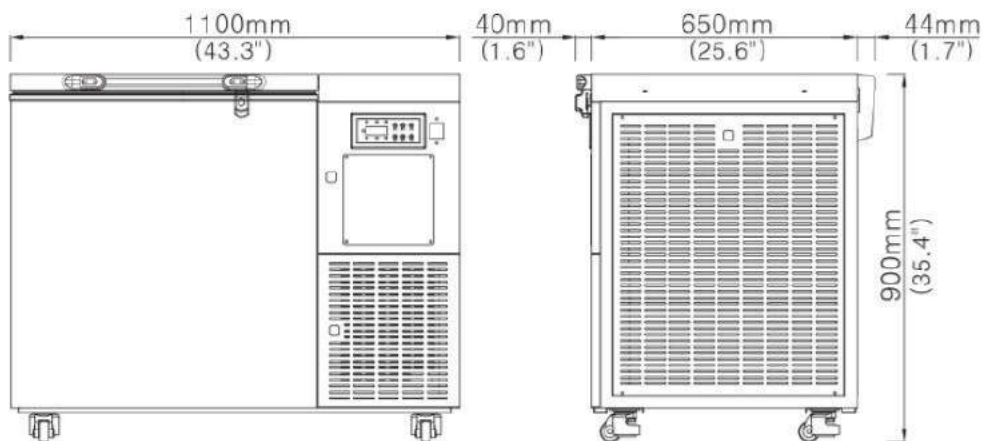


GENERAL SPECIFICATIONS

Size		Capacity	Materials			Net weight
External	Internal		External	Internal cover	Internal	
1100 x 650 x 900mm	550 x 450 x 592mm	147L	High Polymer Coated Steel Plate	PE Foam	High Polymer Coated Steel Plate	103kg
43.3" x 25.6" x 35.4"	21.6" x 17.7" x 23.3"	5.1cu.ft				
Cooling system	Dual Compressor System	Cooling performance (max)		-80°C		
Range of temperature (use)	-60°C ~ -80°C	Range of temperature (ambient)		15°C ~ 35°C		
Temperature sensor	PT100 Sensor	Refrigerant		HFC (CFC Free Refrigerants System)		
Compressor	Hermetic Type	Type of condenser		Block Condenser (No Pin, Filter Free Mechanism)		
Controller	Digital	Q'ty of internal cover		1		
Type of rack	10 (1x10) Placed Rack (RFC10SA)	Q'ty of rack		6		
Rated voltage	220V, 50Hz, 5.9A	Power consumption		1.30kW		

* Voltage and Hz can be customized according to customer's needs
 * All specifications are subject to change prior notice

DETAIL VIEW



STATIC COOLING SYSTEM
CCF-21D

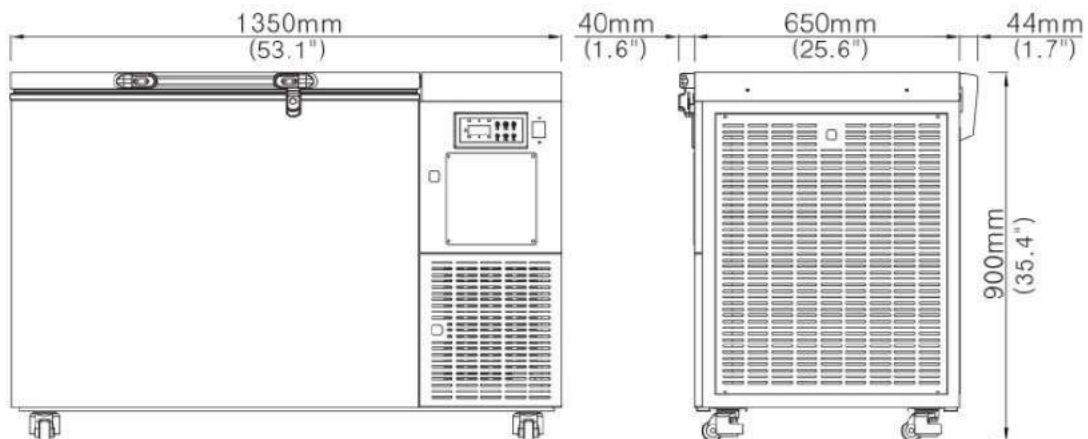


GENERAL SPECIFICATIONS

Size		Capacity	Materials			Net weight
External	Internal		External	Internal cover	Internal	
1350 x 650 x 900mm	800 x 450 x 592mm	210L	High Polymer Coated Steel Plate	PE Foam	High Polymer Coated Steel Plate	145kg
53.1" x 25.6" x 35.4"	31.4" x 17.7" x 23.3"	7.4cu.ft				
Cooling system	Dual Compressor System	Cooling performance (max)		-80°C		
Range of temperature (use)	-60°C ~ -80°C	Range of temperature (ambient)		15°C ~ 35°C		
Temperature sensor	PT100 Sensor	Refrigerant		HFC (CFC Free Refrigerants System)		
Compressor	Hermetic Type	Type of condenser		Block Condenser (No Pin, Filter Free Mechanism)		
Controller	Digital	Q'ty of internal cover		2		
Type of rack	10 (1x10) Placed Rack (RFC10SA)	Q'ty of rack		10		
Rated voltage	220V, 50Hz, 6.2A	Power consumption		1.36kW		

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DETAIL VIEW



STATIC COOLING SYSTEM
CCF-30D



GENERAL SPECIFICATIONS

Size		Capacity	Materials			Net weight
External	Internal		External	Internal cover	Internal	
1650 x 650 x 900mm	1100 x 450 x 592mm	300L	High Polymer Coated Steel Plate	PE Foam	High Polymer Coated Steel Plate	173kg
65" x 25.6" x 35.4"	43.3" x 17.7" x 23.3"	10.5cu.ft				
Cooling system	Dual Compressor System	Cooling performance (max)		-80°C		
Range of temperature (use)	-60°C ~ -80°C	Range of temperature (ambient)		15°C ~ 35°C		
Temperature sensor	PT100 Sensor	Refrigerant		HFC (CFC Free Refrigerants System)		
Compressor	Hermetic Type	Type of condenser		Block Condenser (No Pin, Filter Free Mechanism)		
Controller	Digital	Q'ty of internal cover		2		
Type of rack	10 (1x10) Placed Rack (RFC10SA)	Q'ty of rack		14		
Rated voltage	220V, 50Hz, 6.6A	Power consumption		1.45kW		

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DETAIL VIEW

