

COMBINED REFRIGERATOR FREEZERS



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Combined Refrigerators and Freezers are laboratory devices that are used to preserve biological samples by using a refrigerant to remove the heat from the material and transfer it to the surroundings. In combined refrigerators and freezers, the refrigerant heats the compressor, and a hot coolant is passed through an expansion valve which expands the coolant and converts it into cold gas. This cold gas is further passed through expansion coils which absorb the heat from materials. Lastly, the refrigerant evaporates and flows back again to the compressor where the cycle repeats itself which results in the cooling of the environment.

LTFRE31-1 COMBINED REFRIGERATOR FREEZER

Vertical side opening door, free-standing door handle on the left side, easy to open

4 casters for easy mobility, two of the casters have a brake function to prevent slippage

Dual LED digital display screen, can display the temperature data of the upper and lower rooms independently

Drawers are designed with PS materials, which are more durable and safer to store



SPECIFICATIONS

Model	LTFRE31-1
Capacity	R:183L F:185L
Temperature Range	R: +2°C to +8°C; F: -10°C ~ -25°C
Ambient Temperature	10°C ~ +32°C
Defrosting	Manual
Cooling Type	Direct Cooling
Insulation Material	PURF
Refrigerant	HC
Internal Dimension	R: 580x626x625 mm (Including fan cover size) F: 466x636x625 mm
Overall Dimension	720x830x1870 mm
Package Size	780x920x1990 mm
Drawers/Shelves	Shelves and drawers
Interior	SPCC sprayed steel
Exterior	SPCC sprayed steel
Controller	Microprocessor, Digital display
Sensor	NTC
Noise Level	50 db
Alarm	High/low temperature, Power off, Sensor malfunction, Temperature controller malfunction, Door ajar
Standard Accessories	Caster, Test holex2, Remote alarm
Weight (Net/Gross)	130 / 170 kg
Rated Power	300 W

Power Consumption (Kwh/24hrs)	3.03
Power Supply	220 V / 50 Hz

LTFRE33 COMBINED REFRIGERATOR FREEZERS

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SPECIFICATIONS

Model	LTFRE33-1	LTFRE33-2
Capacity	R:183L F:185L	R:198L F:102L
Temperature Range	R: +2°C to +8°C; F: -10°C ~ -40°C	+2~8° & -10~-25°C
Ambient Temperature	10°C ~ +32°C	-
Defrosting	Manual	-
Cooling Type	Direct Cooling	-
Insulation Material	PURF	-
Refrigerant	HC	-
Internal Dimension	R: 580x626x625 mm (Including fan cover size) F: 466x636x625 mm	-
Overall Dimension	720x830x1870 mm	-
Package Size	780x920x1990 mm	-
Drawers/Shelves	Shelves and drawers	-
Interior	SPCC sprayed steel	-
Exterior	SPCC sprayed steel	-
Controller	Microprocessor, Digital display	-
Sensor	NTC	-
Noise Level	50 db	-
Alarm	High/low temperature, Power off, Sensor malfunction, Temperature controller malfunction, Door ajar	High&low temp, power failure, control error, door open
Standard Accessories	Caster, Test holex2, Remote alarm	-
Weight (Net/Gross)	130 / 170 kg	-
Rated Power	300 W	-
Power Consumption (Kwh/24hrs)	3.03	-
Power Supply	220 V / 50 Hz	-
External Dimension	-	650x620x1980 mm
Power	-	187~242V, 50/60Hz
Optional Parts	-	110V transformer; Datalogger



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