-86°C Dual System Upright Freezers DUQ 5550 Series

-86°C Dual System Upright Freezers DUQ 5550 Series is designed with a wide voltage tolerance, applicable voltage range of 187V~242V/AC. The Dual system has two independent compressor system working together, where one system breaks down, the other one can still maintain the inner temperature at -70°C.

➢ Design

Equipped with 7-inch touch screen LCD display, Manual Defrosting, Direct Cooling, PURF Insulation and chemically stable environmentally safe Mixed-gas refrigerant with better efficiency and less energy cost are used in the Freezers. Provided with lockable caster design for easy movement. The racks and boxes which are provided (optional) are made of 304SUS and PPT material respectively.

➢ Controller System

It is equipped with Microprocessor Temperature Controller, built-in temperature probe, independent inner doors to minimize frost buildup inside the chamber out and provides more stability and temperature performance. The outer door is sealed with 4 seals and provided with 5 gaskets which minimize loss of cold temperature while opening the door.

➢ Security System

Equipped with safety alarms such as High/Low temperature, Power Failure, Abnormal Voltage, Sensor Error, Filter Screen Check, Thermostat Failure, Low Battery, Condenser Clean, High Ambient Temperature, Door Ajar with two types of alarm indications: audible buzzing and visible flashing light. Also provided with start-delay function protecting the unit from sudden power off/on and two door locks prevents unauthorized access.

➢ Applications

Used for long term preservation of virus, germs, vaccines, biological tissues, medicines, reagents and suitable for scientific research institution, biomedical, electronic and chemical industries.

Specifications

Model No.	DUQ 5550	DUQ 5551
Capacity	588L	838L
Temperature Range	-40°C to -86°C	-40°C to -86°C
Ambient Temperature	10°C to 35°C	10°C to 32°C
No. of Shelves/ Inside Doors	3 Stainless Steel Shelves/2 doors	3 Stainless Steel Shelves/2 doors
Refrigerant	Mixed Gas	Mixed Gas
Noise	53dB	55dB
Power Consumption (KWh/24hr)	16.5	18.8
No. of Compressors	2	2
Sensor	PTC	PTC
Internal Material	Stainless Steel	Stainless Steel
External Material	Color Sprayed Steel	Color Sprayed Steel
Power	1500W	1700W
Current	9.1A	9.8A
Internal Dimensions (W*D*H)	606*738*1310mm	894*718*1310mm
External Dimensions (W*D*H)	885*1100*1995mm	1190*1045*2010mm
Packaging Dimensions (W*D*H)	970*1140*2190mm	1270*1105*2220mm
Net Weight	297.5kg	336.5kg
Gross Weight	358.5kg	416kg
Power Supply	220V/50Hz	220V/50Hz
Racks/Boxes(2inches)/ Vials(2ml) - OPTIONAL	16(5*5)/400/40000	24(5*5)/600/60000

Model No.	DUQ 5550
Capacity	408L
Temperature Range	-40°C to -86°C
Ambient Temperature	10°C to 32°C
No. of Shelves/ Inside Doors	3 Stainless Steel Shelves/2 doors
Refrigerant	Mixed Gas
Noise	53dB
Power Consumption (KWh/24hr)	14.5
No. of Compressors	2
Sensor	PTC
Internal Material	Stainless Steel
External Material	Color Sprayed Steel
Power	1350W
Current	8A
Internal Dimensions (W*D*H)	606*575*1180mm
External Dimensions (W*D*H)	900*940*1940mm
Packaging Dimensions (W*D*H)	955*960*2100mm
Net Weight	255kg
Gross Weight	307kg
Power Supply	220V/50Hz
Racks/Boxes(2inches)/ Vials(2ml) - OPTIONAL	16(5*4, 4*4)/288/28800

Standard and Optional Accessories

Model / Parameters	DUQ 5550	DUQ 5551	DUQ 5552
Casters	Yes	Yes	Yes
Test Hole QTY./Diameter	1/25mm	1/25mm	1/25mm
USB Port	Yes	Yes	Yes
Chart Recorder	-	-	-
Data Logger	Optional	Optional	Optional
Power Failure Backup System (alarm)	72hr	72hr	72hr
Remote Alarm Port	Yes	Yes	Yes
CO2 Backup System	Optional	Optional	Optional
LN2 Backup System	Optional	Optional	Optional