

**DAIHAN SimpleFreez™ Economic Digital Ultra-Low Temp. Freezer, Chest Type, -86°C ~ -65°C**  
with Filter-free Mechanism, Non-Freon Refrigerants, 136-/237-/314-/375-/438-Lit., with Certi. & Traceability



**Economic Digital Ultra-Low Temp. Freezer, Chest-type**  
"WUF-31"

- with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
- SimpleFreez™ System can freeze down to -86°C : realize robust and long life time.
- CFC-free Refrigerants are Used
- CE & RoHS Certified
- PL(Product Liability) Insurance

- \* Simplified Hi-Efficiency Freezing System can down to -86°C : Can Realize Robust and Long Life Time
- \* CFC-free Refrigerants are Used
- \* Easy Maintenance and Improved Performance
- \* Use of Block Condenser Removes Filter and Causes of Related Failure
- \* Filter-Free Mechanism Lowers Heat Generated by the Compressor
- \* High-quality Insulation Panel Ensure Defrosting Around Outer Surface
- \* Built in Standard Warning and Alarm Functions

**Specification**

Capacity & Model		136 Lit. "WUF-11"	237 Lit. "WUF-21"	314 Lit. "WUF-31"	375 Lit. "WUF-41"	438 Lit. "WUF-51"
Freezing System		SimpleFreez™ System				
Temp.	Range	-86°C ~ -65°C at the Room Temperature of 30°C and the Humidity of 70%				
	Sensor	PT100 Sensor				
Compressor		Hermetic Type				
Condenser Type		Block Condenser, No Pin, Filter Free Mechanism				
Refrigerant		Natural ( CFC Free Refrigerant System)				
Controller		Digital Feedback Controller				
Max. Q'ty of Racks		6pcs of 11(1x11)-Placed Rack & 3pcs of 7(1x7)-Placed Rack	12pcs of 11(1x11)-Placed Rack & 3pcs of 7(1x7)-Placed Rack	18pcs of 11(1x11)-Placed Rack & 3pcs of 7(1x7)-Placed Rack	21pcs of 11(1x11)-Placed Rack & 3pcs of 7(1x7)-Placed Rack	27pcs of 11(1x11)-Placed Rack & 3pcs of 7(1x7)-Placed Rack
Material	Internal	Aluminum Plate				
	External	Steel Plate with Acrylic Acid Resin Coating				
Dimension (w×d×h)	Internal (mm)	520×450×680	850×450×680	1,100×450×680	1,300×450×680	1,500×450×680
	External (mm)	720×730×860	1,050×730×860	1,300×730×860	1,500×730×860	1,700×730×860
Weight		45 kg	55 kg	67 kg	73 kg	82 kg
Packing Dimension (w×d×h) (mm)		900×940×1150	1280×940×1150	1580×940×1150	1800×940×1150	2050×940×1150
Gross Weight		98 kg	100 kg	120 kg	126 kg	135 kg
Power Consumption		300W	400W	450W	500W	550W
Power Supply & Cord Plug*		1 Phase, AC 120V, 60Hz or AC 230V, 50 / 60Hz				

\* Other Specifications are available upon Customer's Request.

**Ordering Information**

**Ultra Low Temp. Freezer, Chest-type, -86°C ~ -65°C**

- DH.WUF00011 Ultra Low Temp. Freezer, 230V, 136 Lit., "WUF-11"
- DH.WUF00021 , 237 Lit., "WUF-21"
- DH.WUF00031 , 314 Lit., "WUF-31"
- DH.WUF00041 , 375 Lit., "WUF-41"
- DH.WUF00051 , 438 Lit., "WUF-51"
- DH.WUF00111 Ultra Low Temp. Freezer, 120V, 136 Lit., "WUF-11"
- DH.WUF00121 , 237 Lit., "WUF-21"
- DH.WUF00131 , 314 Lit., "WUF-31"
- DH.WUF00141 , 375 Lit., "WUF-41"
- DH.WUF00151 , 438 Lit., "WUF-51"

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Cat. No	Description	Articles
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### Ordering Information

#### Optional Accessories

- DH.RFC11** (1) Rack, 11 Places, "RFC11", Stainless steel, 140×140×h 655mm  
**DH.RFC7** (2) Rack, 7 Places, "RFC7", Stainless steel, 140×140×h 385mm  
**C11.001** (3) Hard Board Box, with Hard Board Divider, 81 Hole, 127×127×h52 mm  
**C11.002** , with PolyPropylene Divider, 81 Hole, 127×127×h52 mm

#### Validation (IQ, OQ) Service

- DH.WUF30011** Validation Service(IQ, OQ), "UFV11", for "WUF-11"  
**DH.WUF30021** , "UFV21", for "WUF-21"  
**DH.WUF30031** , "UFV31", for "WUF-31"  
**DH.WUF30041** , "UFV41", for "WUF-41"  
**DH.WUF30051** , "UFV51", for "WUF-51"



(1) 11(1×11)-Placed Rack, Stainless steel "RFC11"



(2) 7(1×7)-Placed Rack, Stainless steel "RFC7"



(3) Hard Board Box  
81 holes, w/cover