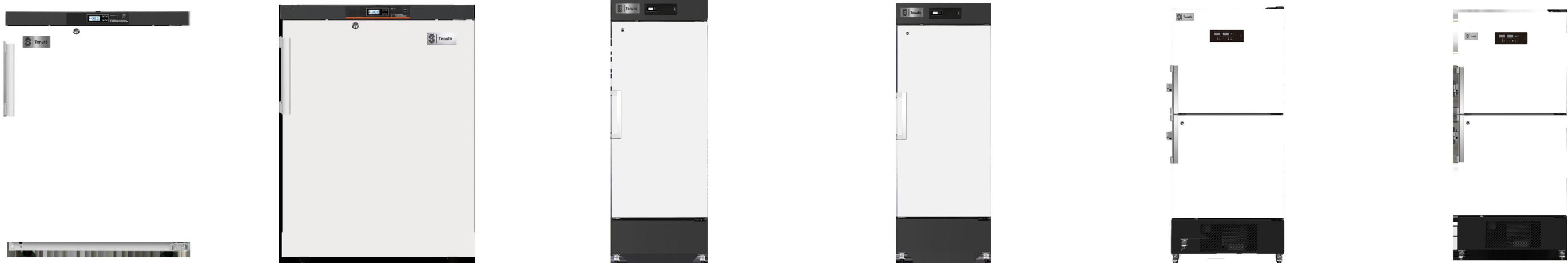


Tenutō Features Overview

Freeze



Specifications	22329	22330	22331	22332	22333	22320
Technical Data						
Working Conditions	+10°C~+32°C	+10°C~+32°C	+10°C~+32°C	+10°C~+32°C	+10°C~+32°C	+10°C~+32°C
Cabinet Type	Upright	Upright	Upright	Upright	Upright	Upright
Cooling Type/Defrost Mode	Direct Cooling/Manual	Direct Cooling/Manual	Direct Cooling/Manual	Direct Cooling/Manual	Direct Cooling/Manual	Direct Cooling/Manual
Compressor	GMCC	GMCC	GMCC	GMCC	GMCC*Fixed Frequency*2	GMCC*Fixed Frequency*2
Refrigerant Gas	220-240V/50Hz: R600a 115V/60Hz: R290 220-240V/60Hz: R600a	R290	R290	R290	R290	R290
Noise Level (dB(A))	220-240V/50Hz: 43 115V/60Hz: 50 220-240V/60Hz: 40	220-240V/50Hz: 51 115V/60Hz: 50 220-240V/60Hz: 51	220-240V/50Hz: 46 115V/60Hz: 60 220-240V/60Hz: 48	220-240V/50Hz: 52 115V/60Hz: 60 220-240V/60Hz: 48	220-240V/50Hz: 58 115V/60Hz: 65 220-240V/60Hz: 54	220-240V/50Hz: 58 115V/60Hz: 65 220-240V/60Hz: 54
Controller						
Controller	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor
Display	LCD	LCD	LCD	LCD	LED	LED
Performance						
Temperature Range (°C)	-10°C~-25°C	-20°C~-40°C	-10°C~-25°C	-20°C~-40°C	-10°C~-25°C	-20°C~-40°C
Accuracy (°C)	0.1	0.1	0.1	0.1	0.1	0.1
Cooling Performance (°C)	-25°C	-40°C	-25°C	-40°C	-25°C	-40°C
Electrical Data						
Power Supply (V/Hz)	220-240V/50Hz 115V/60Hz 220-240V/60Hz	220-240V/50Hz 115V/60Hz 220-240V/60Hz	220-240V/50Hz 115V/60Hz 220-240V/60Hz	220-240V/50Hz 115V/60Hz 220-240V/60Hz	220-240V/50Hz 115V/60Hz 220-240V/60Hz	220-240V/50Hz 115V/60Hz 220-240V/60Hz
Rated Power (W)	220-240V/50Hz: 115 115V/60Hz: 220 220-240V/60Hz: 115	220-240V/50Hz: 230 115V/60Hz: 220 220-240V/60Hz: 230	220-240V/50Hz: 210 115V/60Hz: 280 220-240V/60Hz: 260	220-240V/50Hz: 295 115V/60Hz: 280 220-240V/60Hz: 260	450	450
Electrical Current (A)	220-240V/50Hz: 0.7 115V/60Hz: 2.5 220-240V/60Hz: 0.7	220-240V/50Hz: 2.2 115V/60Hz: 2.5 220-240V/60Hz: 2.2	220-240V/50Hz: 1.18 115V/60Hz: 3 220-240V/60Hz: 1.3	220-240V/50Hz: 2.9 115V/60Hz: 3 220-240V/60Hz: 1.3	220-240V/50Hz: 5 115V/60Hz: 5.1 220-240V/60Hz: 4	220-240V/50Hz: 5 115V/60Hz: 5.1 220-240V/60Hz: 4
Energy Consumption (kWh/24h)	1	2	1.2	220-240V/50Hz: 2.7 115V/60Hz: 2.4 220-240V/60Hz: 2.4	220-240V/50Hz: 2.1 115V/60Hz: 2 220-240V/60Hz: 2	220-240V/50Hz: 4.2 115V/60Hz: 4.1 220-240V/60Hz: 4.1
Dimensions						
Capacity (L/Cu.Ft)	106 L / 3.74 Cu Ft	106 L / 3.74 Cu Ft	308 L / 10.88 Cu Ft	308 L / 10.88 Cu Ft	518 L / 18.29 Cu Ft	518 L / 18.29 Cu Ft
Net/Gross Weight	220-240V/50Hz: 39/44 115V/60Hz: 43/48 220-240V/60Hz: 40/50	43/48	220-240V/50Hz: 100/112 115V/60Hz: 102/114 220-240V/60Hz: 102/114	102/114	149/170	149/170
Interior Dimension (W × D × H)	455*460*595 mm (17.91×18.11×23.43 in)	455*460*595 mm (17.91×18.11×23.43 in)	540*450*1277 mm (21.26×17.72×50.28 in)	540*450*1277 mm (21.26×17.72×50.28 in)	top room: 680*620*650 bottom room: 680*620*650	top room: 680*620*650 bottom room: 680*620*650
Exterior Dimension (W × D × H)	600*610*815 mm (23.62×24.02×32.09 in)	600*610*815 mm (23.62×24.02×32.09 in)	700*690*1920 mm (27.56×27.17×75.59 in)	700*690*1920 mm (27.56×27.17×75.59 in)	866*811*1920 mm (34.09×31.93×75.59 in)	866*811*1920 mm (34.09×31.93×75.59 in)
Packing Dimension (W × D × H)	665*675*890 mm (26.18×26.57×35.04 in)	665*675*890 mm (26.18×26.57×35.04 in)	755*715*2035 mm (29.72×28.15×80.12 in)	755*715*2035 mm (29.72×28.15×80.12 in)	905*835*2040 mm (35.63×32.87×80.31 in)	905*835*2040 mm (35.63×32.87×80.31 in)
Cabinet Width (without handle and hinge)	595	595	690	690	830	830
Material						
Out Door	PCM (Pre-coated Steel)	PCM (Pre-coated Steel)	PCM (Pre-coated Steel)	PCM (Pre-coated Steel)	Powder Coated Cold Rolled Steel	Powder Coated Cold Rolled Steel
Interior	PCM (Pre-coated Steel)	PCM (Pre-coated Steel)	PCM (Pre-coated Steel)	PCM (Pre-coated Steel)	PCM (Pre-coated Steel)	PCM (Pre-coated Steel)
Exterior	PCM (Pre-coated Steel)	PCM (Pre-coated Steel)	PCM (Pre-coated Steel)	PCM (Pre-coated Steel)	PCM (Pre-coated Steel)	PCM (Pre-coated Steel)
Functions						
High/Low Temperature Alarm	✓	✓	✓	✓	✓	✓
Power Failure Alarm	✓	✓	✓	✓	✓	✓
Hot Condenser Alarm	✗	✗	✗	✗	✗	✗
Sensor Error Alarm	✓	✓	✓	✓	✓	✓
Low Battery Alarm	✗	✗	✗	✗	✓	✓
High Ambient Temperature Alarm	✓	✓	✓	✓	✓	✓
Door Ajar Alarm	✓	✓	✓	✓	✓	✓
Communication failure alarm	✗	✗	✗	✗	✓	✓
Recorder fault alarm	✗	✗	✗	✗	✓	✓
Recording is not started alarm	✗	✗	✗	✗	✓	✓
Accessories						
Caster	/	/	4	4	4	4
Leveling Feet	4	4	2	2	2	2
Door Lock	Standard	Standard	Standard	Standard	Standard	Standard
Porthole (Qty/Diameter mm)	1/25mm (0.98 in) (right side)	1/25mm (0.98 in) (right side)	1/25mm (0.98 in) (right side)	1/25mm (0.98 in) (right side)	2/25mm (0.98 in) (right side)	2/25mm (0.98 in) (right side)
USB Interface	Standard	Standard	Standard	Standard	Standard	Standard
Remote Alarm Contact	Standard	Standard	Standard	Standard	Standard	Standard
Printer/Chart Recorder	N	N	N	N	Optional	Optional
RS 485 Port	Optional	Optional	Optional	Optional	Optional	Optional
Power Failure Backup System (alarm)	20h	20h	20h	20h	16h	16h
Others						
Certifications	CE, UL, Energy Star & NSF	CE, UL, Energy Star & NSF	CE, UL, Energy Star & NSF	CE, UL, Energy Star & NSF	CE, UL, Energy Star & NSF	CE, UL, Energy Star & NSF