

Tenutō Features Overview

Cool



Specifications	21299	21300	21301	22314	22316	22318	22319	22310	22311
Technical Data									
Climate Class	N	N	N	N	N	N	N	N	N
Cabinet Type	Upright	Upright	Upright	Upright	Upright	Upright	Upright	Upright	Upright
Cooling Type/Defrost Mode	Forced Air Cooling/Auto	Forced Air Cooling/Auto	Forced Air Cooling/Auto	Forced Air Cooling/Auto	Forced Air Cooling/Auto	Forced Air Cooling/Auto	Forced Air Cooling/Auto	Forced Air Cooling/Auto	Forced Air Cooling/Auto
Compressor	GMCC	GMCC	GMCC	220-240V/50/60Hz: GMCC (Inverter) 115V/60Hz: DONPER (Inverter)	220-240V/50/60Hz: GMCC (Inverter) 115V/60Hz: DONPER (Inverter)	220-240V/50/60Hz: GMCC (Inverter) 115V/60Hz: DONPER (Inverter)	220-240V/50/60Hz: GMCC (Inverter) 115V/60Hz: DONPER (Inverter)	GMCC (Inverter)*2 (independent system)	GMCC (Inverter)*2 (independent system)
Refrigerant Gas	R600a	R600a	R600a	R600a	R600a	R600a	R600a	R600a	R600a
Noise Level (dB(A))	45	45	220-240V/50Hz: 52 115V/60Hz: 60 220-240V/60Hz: 52	220-240V/50/60Hz: 55 115V/60Hz: 60	55	58	60	35	35
Controller									
Controller	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor
Display	LED	LED	LED	LED	LED	LED	LED	LED	Touch Screen
Performance									
Top Cooling Technology	N	N	Y	Y	Y	Y	Y	Y	Y
Temperature Range (°C)	2°C~8°C	2°C~8°C	2°C~8°C	2°C~8°C	2°C~8°C	2°C~8°C	2°C~8°C	2°C~8°C	2°C~8°C
Accuracy (°C)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Fluctuation (°C)	≤3	≤2	≤2	≤2	≤2	≤2	≤2	≤3	≤3
Uniformity (°C)	±1	±1	±1	±1	±1	±1	±1	±1	±1
Electrical Data									
Sensor Type	NTC	NTC	NTC	NTC	NTC	NTC	NTC	NTC	NTC
Power Supply (V/Hz)	220-240V/50Hz 115V/60Hz	220-240V/50Hz 115V/60Hz 220-240V/60Hz	220-240V/50Hz 115V/60Hz 220-240V/60Hz	220-240V/50/60Hz 115V/60Hz	220-240V/50/60Hz 115V/60Hz	220-240V/50/60Hz 115V/60Hz	220-240V/50/60Hz 115V/60Hz	220-240V/50/60Hz 115V/60Hz	220-240V/50/60Hz 115V/60Hz
Rated Power(W)	220-240V/50Hz: 100 115V/60Hz: 150	220-240V/50Hz: 100 115V/60Hz: 160 220-240V/60Hz: 120	190	260	360	320	380	750	750
Electrical Current (A)	220-240V/50Hz: 0.75 115V/60Hz: 1.5	220-240V/50Hz: 1 115V/60Hz: 2 220-240V/60Hz: 1	220-240V/50Hz: 1.5 115V/60Hz: 2.5 220-240V/60Hz: 1.	220-240V/50/60Hz: 1.7 115V/60Hz: 3	220-240V/50/60Hz: 2.2 115V/60Hz: 4	220-240V/50/60Hz: 2 115V/60Hz: 3.6	220-240V/50/60Hz: 2.4 115V/60Hz: 4	4.7	4.7
Energy Consumption (kWh/24h)	0.65	220-240V/50Hz: 0.78 115V/60Hz: 1.2 220-240V/60Hz: 1.2	2.5	2	2	3	4	5.9	5.9
Dimensions									
Capacity (L/Cu.Ft)	42 L / 1.48 Cu Ft	126 L / 4.45 Cu Ft	316 L / 11.16 Cu Ft	416 L / 14.69 Cu Ft	606 L / 21.4 Cu Ft	756 L / 26.7 Cu Ft	1006 L / 35.53 Cu Ft	1366 L / 48.24 Cu Ft	1366 L / 48.24 Cu Ft
Net/Gross Weight	23/25	43/48	72/81	88/97	116/138	140/161	160/184	227/271	227/271
Interior Dimension (W × D × H)	380*300*410 mm (14.96×11.81×16.14 in)	505*467*620 mm (19.88×18.39×24.41 in)	500*464*1343 mm (19.69×18.27×52.87 in)	595*514*1343 mm (23.43×20.24×52.87 in)	660*590*1560 mm (25.98×23.23×61.42 in)	880*634*1354 mm (34.65×24.96×53.31 in)	1130*634*1354 mm (44.49×24.96×53.31 in)	1410*660*1540 mm (55.51×25.98×60.63 in)	1410*660*1540 mm (55.51×25.98×60.63 in)
Exterior Dimension (W × D × H)	450*459*569.5 mm (17.72×18.07×22.42 in)	595*615*810 mm (23.43×24.21×31.89 in)	595*603*1920 mm (23.43×23.74×75.59 in)	690*653*1920 mm (27.17×25.71×75.59 in)	760*825*1925 mm (29.92×32.48×75.79 in)	970*808*1920 mm (38.19×31.81×75.59 in)	1220*808*1920 mm (48.03×31.81×75.59 in)	1500*895*1925 mm (59.06×35.24×75.79 in)	1500*895*1925 mm (59.06×35.24×75.79 in)
Packing Dimension (W × D × H)	515*515*605 mm (20.28×20.28×23.82 in)	665*675*890 mm (26.18×26.57×35.04 in)	660*665*2025 mm (25.98×26.18×79.72 in)	755*715*2025 mm (29.72×28.15×79.72 in)	830*835*2085 mm (32.68×32.87×82.09 in)	1050*835*2085 mm (41.34×32.87×82.09 in)	1300*835*2085 mm (51.18×32.87×82.09 in)	1570*885*2080 mm (61.81×34.84×81.89 in)	1570*885*2080 mm (61.81×34.84×81.89 in)
Material									
Out Door	LOW-E Glass Door	LOW-E Glass Door	Electrical Heating Glass Door	Electrical Heating Glass Door	Electrical Heating Glass Door	Electrical Heating Glass Door	Electrical Heating Glass Door	Electrical Heating Glass Door	Electrical Heating Glass Door
Interior	HIPS(Polystyrene)	PCM (Pre-coated Steel)	HIPS(Polystyrene)	HIPS(Polystyrene)	PCM (Pre-coated Steel)	PCM (Pre-coated Steel)	PCM (Pre-coated Steel)	SUS 304	SUS 304
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)	PCM (Pre-coated Steel)	PCM (Pre-coated Steel)	PCM (Pre-coated Steel)
Shelves Material	Steel Wire, Coated with Plastic	Steel Wire, Coated with Plastic	Steel Wire, Coated with Plastic	Steel Wire, Coated with Plastic	Steel Wire, Coated with Plastic	Steel Wire, Coated with Plastic	Steel Wire, Coated with Plastic	Steel Wire, Coated with Plastic	Steel Wire, Coated with Plastic
Functions									
High/Low Temperature Alarm	✓	✓	✓	✓	✓	✓	✓	✓	✓
Power Failure 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	✓	✗	✓	✓	✓	✓	✓	✓	✓
Max and min temperature check	✓	✓	✓	✓	✓	✓	✓	✓	✓
Dual Display(temperature & humidity)	✗	✗	✓	✓	✓	✓	✓	✓	✓
Accessories									
Inner Light	LED Light	LED Light	LED Light	LED Light	LED Light	LED Light	LED Light	LED Light	LED Light
Caster	/	/	4	4	4	4	4	5	5
Leveling Feet	4	4	/	2	2	2	2	2	2
Door Lock	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Shelves/Drawers	1/1	3/-	5/-	5/-	6/-	10/-	10/-	12/-	12/-
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)	1/25mm (0.98 in) (right side)	1/25mm (0.98 in) (right side)	1/25mm (right side)	2/25mm (right side)	2/25mm (right side)
USB Interface	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Remote Alarm Contact	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Printer	N	N	Optional	Optional	Optional	Optional	Optional	Optional	Optional
RS 485 Port	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Power Failure Backup System (alarm)	16h	20h	16h	16h	16h	16h	16h	40h	40h
Others									
Certifications	CE, UL, NSF, Energy Star	CE, UL, NSF, Energy Star	CE, UL, NSF, Energy Star	CE, UL, NSF, Energy Star	CE, UL, NSF, Energy Star	CE, UL (Pending NSF and ES)	CE, UL, NSF, Energy Star	CE, UL	CE, UL, NSF, Energy Star