

Technical Data Sheet

Revco Ultra-Low Temperature Chest Freezer

MODEL RELEASE - 20

Thermo Fisher Scientific, Marietta, Ohio

Model N ULT179 Application, Rating Storage of General (non-flam	00-10-A and Electrical Data
Application, Rating	and Electrical Data
Storage of General (non-flam	
	17 Cubic Feet
-50°C to	
120V 60 Hz	
16.0 /	
20.0A (min) dedicated grounded circuit. Protec	ted by circuit breaker rated for inductive loads
NEMA 5-20P / IEC Cords	s, 10 Feet (3.048 Meters)
UL, cUL	· · · · · · · · · · · · · · · · · · ·
Indoor U	se Only
Industrial-Rated Two S	
Hermetic Compressor for Low	Temperature Application / 2
970	W
Enhanced Finned-Tube a	nd Forced-Air Cooled / 1
Capillar	
Cold Wall With Enhanced	Heat Transfer Treatment
Manual	
Controller/Electrical System	Configuration and Features
Το	
On-Off with Ci	ircuit Breaker
Microproce	ess Control
Ye)S
High Pressure Cutout Switch/High Temp Cuto	out Switch/Current protection/Logic protection
Single RTD (1000 o	hm Platinum RTD)
RS485, 4-20mA	A, Dry Contacts
Fully Adj	
Buck/Boos	st System
Dimensions and	d Construction
706 H x 470 D x 1473 W mm	(27.8 H x 18.5 D x 58 W in.)
1031 H x 829 D x 2225 W mm	(40.6 H x 32.7 D x 87.6 W in.)
N/	
Standard v	with Locks
Approximately 3	49 kg / 771 lbs.
17 ft ³ Chest ULT, -80C Cycle at 25 C Ambient	Test Unit Series or MSO Number: 18828-D-
Min Avg Max	Avg Cabinet Temp at -80 C Cycle (C): -76.0 Peak Variation from Setpoint (C): + 8.5/+1
U _70	Average Uniformity (C): 2.7 Average Stability (C): 4.1
۲	Duty Cycle at -80C Setpoint (%): 56.2%
	Cycle (on/off) rate at -80C (min): 25 /
a -80	Avg. energy consumption (kW-hr/day): 14.7
5 -85	Avg. heat rejection rate (Btu/hr): 2098
-90	Overall Pulldown Time (to -80C) (hrs): 3.8
0 72 144 216 288 360 432 504 576 648 720	Warmup Time (-80 to -50 C) (minutes): 185
Time, Minutes	BTU Capacity at -80C Setpoint (BTU/Hr) 210
may vary.	
ct amount, product size and operating conditions.	
hout notice, result in amendments or ommisions to this sp	
ł	20.0A (min) dedicated grounded circuit. Protection NEMA 5-20P / IEC Cords UL, cUI Indoor U Non-Corrosive, Non-Flammable, Non-Explosive, O Refrigeration of Industrial-Rated Two S Hermetic Compressor for Low 970 Enhanced Finned-Tube a Capillar Cold Wall With Enhanced Manual R404A in 1st Stage / R508B+R290 Controller/Electrical System Tro On-Off with C Microproce Ye High Pressure Cutout Switch/High Temp Cuto Single RTD (1000 oc RS485, 4-20mA Fully Ad Buck/Boos Dimensions an 706 H x 470 D x 1473 W mm 1031 H x 829 D x 2225 W mm 1168 H x 973 D x 2677 W mm High Density Polyurethane Silicone-Based High Pe Silicone-Based High Pe O V Standard V Approximately 3 Electronic Recorder and CC Typical Performance Charac 17 ft ³ Chest ULT, -80C Cycle at 25 C Ambient O Trime, Minutes

* Manufacturer measured compressor capacity taken at standard -23°C/49°C (Evap/Cond) condition.

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