

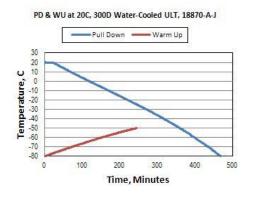
Technical Data Sheet

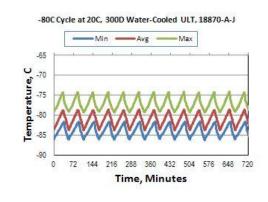
Revco Ultra-Low Temperature Upright Freezer

MODEL RELEASE - 65

Thermo Fisher Scientific, Asheville, North Carolina

	Model Number		
Specifications	Thermo Scientific Revco UxF30086D WC		
Specifications	Application, Rating and Electrical Data		
Application			
Application Storage Volume	Storage of General (non-flammable) Laboratory Materials		
·	421 liters / 14.9 cu. ft., 300 Standard 2" Boxes -50°C to -86°C		
Temperature Rating			
Electrical Power	208-230V, 60 Hz, 1 Phase		
Instrument Rated Current	9.0 AMP		
Building Supply Rating	15.0A dedicated grounded circuit. Protected by circuit breaker rated for inductive loads		
Power Plug/Power Cord Length	NEMA 6-15P for D / IEC Cords, 3.048 Meters (10 Feet)		
Agency Listings	UL, cUL		
Indoor/Outdoor Usage	Indoor Use Only		
Application Environment	Non-Corrosive, Non-Flammable, Non-Explosive, Good Air Ventilation, 15° C - 32° C (59° F - 90° F)		
Cooling Water Condition	Inlet Temp: (12C - 25C) / (54F - 77F); Min Flow Rate: 3.8 LPM / 1 GPM; Max Pressure: 6.2 bar / 90 psia		
	Refrigeration Configuration		
Refrigeration System	Industrial-Rated Two Stage Cascade System		
Compressor / Number	Hermetic Compressor for Low Temperature Application / 2		
Compressor Capacity*	1200 W		
Condenser Type/Number	Brazed Plate Heat Exchanger With Water Cooled / 1		
Expansion Device	Capillary Tube		
Evaporator Type	Cold Wall With Enhanced Heat Transfer Treatment		
Defrost Method	Manual Defrost		
Refrigerant Charge/Flammability	R404A in 1st Stage / R508B+R290 Mix in 2nd Stage / Non-Flammable		
	Controller/Electrical System Configuration and Features		
Controller Level	Тор		
Power Switch	On-Off with Circuit Breaker		
Controller Type	Microprocessor Control with Touch Screen Input and Display. Includes USB System Data Retrieval		
Setpoint Security	Yes		
Compressor Safe Guard	High Pressure Cutout Switch/High Temp Cutout Switch/Current protection/Logic protection		
Control Sensor	Single RTD (1000 ohm Platinum RTD)		
Remote Alarm Terminals	RS485/4-20mA output		
Adjustable Warm/Cold Alarms	Fully Adjustable		
Auto-Voltage Safeguard	Buck/Boost System		
	Dimensions and Construction		
Interior Dimensions (H x D x W)	1300 H x 686 D x 452 W mm (51.2 H x 27 D x 17.8 W in.)		
Exterior Dimensions (H x D x W)	1981 H x 955 D x 688 W mm (78 H x 37.6 D x 27.1 W in.)		
Shipping Dimensions	2111 H x 1086 D x 864 W mm (83.12 H x 42.75 D x 34 W in)		
Insulation	High R-value Vacuum Insulation Panels and High Density Water-Blown Polyurethane Foam		
Door Seal	Silicone-Based High Performance Seal Gasket with Electrical Door Perimeter Heater		
Shelves / Capacity	4 Stainless Steel Shelves Adjustable In 25mm (1in) Increments. Max. Cap. per Shelf: 56.8 kg (125 lbs.)		
All-Direction Casters	Standard with Locks		
Shipping Weight	Approximately 303 kg / 667 lbs.		
Other Options	LN2 or CO2 Back Up System, HID Controlled Access, SMS Text, Chart Recorder, 4 or 5 Inner Doors		
Other Options	Typical Performance Characteristics in 20 ° C Ambient		
	Typical Ferrormance Characteristics in 20 C Ambient		



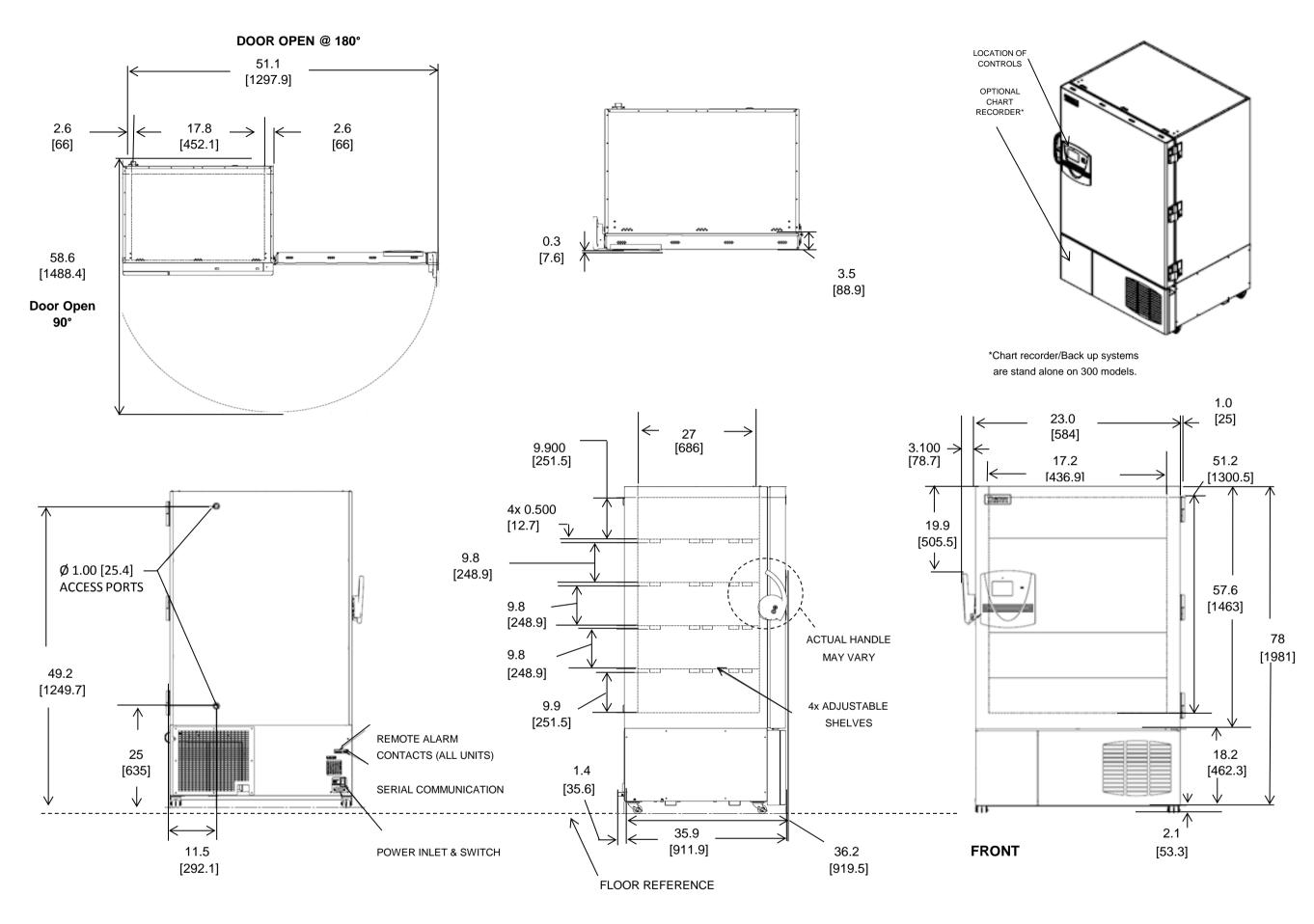


Test Unit Number:		18870-A-J
Avg Cabinet Temp at -80 C Cycle (C):		-81.2
PV from Setpoint, High Performance (C):	+	5.8 / - 6.2
PV from Setpoint, Energy Saving (C):	+	9.8 / - 4.6
Uniformity at -80C, High Performance (C):		6.9
Stability at -80C, High Performance (C):		5.6
1-min Door Open Recovery to-75C (min)		12
Duty Cycle at -80C, High Performance (%):		42.1%
Cycle (on/off) rate at -80C, High Performance (min):	24 / 32
Energy Consumption, High Performance (kWH/day)		14.1
Heat rejection at -80C, High Performance (Btu/hr):		701
Energy Consumption, Energy Saving (kWH/day):		12.7
Heat rejection at -80C, Energy Saving (Btu/hr):		631
Pulldown Time to -80C (hrs):		7.8
Warmup Time (-80 to -50 C) (minutes):		245
Water Supply Inlet Temperature (C)		18

- 1) Performance is nominal and individual units may vary.
- 2) Freezer performance will differ due to product amount, product size and operating conditions.
- Continuous product enhancements may, without notice, result in amendments or ommisions to this specification. Thermo Scientific
 cannot accept responsibility for damage, injury, loss or expenses resulting from misapplication of the information herein.

© 2012 Thermo Scientific Inc. All trademarks are the property of Thermo Scientific Inc. and its subsidiaries. Specifications, terms and pricing are subject to change. Not all products are available in all countries. Please consult your local sales representative for details.

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



BACK



DO NOT USE FOR ENGINEERING PURPOSES. SUBJECT TO CHANGE WITHOUT NOTICE.



15 cuft Upright Freezer 5 Inner Doors

5 Inner Doors Single Outer Door Top Mount Controls