PREPARED BY		1/30/03 RH		Model	Drawing No.	Spc. No.	305536	1/3
REVISION	Α		PANELIZED WALK-IN					
	В		TEMPERATURE			CCMCC		
	С					6.	σψεί	-
	D		CHAMBER					
	Е		SPECIFICATIONS					

Product Name Panelized Walk-In Temperature Chamber.

Model EWPT 3468 - CCW.
 Power 460V 3PH 60Hz.

4. Temperature Control SystemBalanced Temperature Control System: BTC.

5. Ambient Temperature Allowable Range of Operation: 5 to 35°C (41 to 95°F).

Range of Assured Performance: 10 to 30°C (50 to 86°F).

6. Water Temperature Allowable Range 5 to 30°C (41 to 85°F).

7. Performance

7.1. Loads 10,000 Lb. (average sp. Ht = 0.31 BTU/#°F).

(TV sets: 50% glass / 50% plastic typical)

1,000 lb steel racks.

14.5KW.

7.2. Temperature Range -30°C to 85°C (-22°F to 185°F).

7.3. Temperature Constancy $\pm 1^{\circ}\text{C} (\pm 1.8^{\circ}\text{F})$. 7.4. Temperature Uniformity (Gradient) $\pm 2^{\circ}\text{C} (\pm 3.6^{\circ}\text{F})$.

7.5. Temperature Performance

7.5.2. Transition Rate

Average change rate at Supply Air Thermocouple
7.5.2.1. Pull Down

40°C to -20°C with-in 60 minutes (live load OFF).

7.5.2.2. Heat Up -20°C to 40°C with-in 60 minutes.

7.6. Airflow Approximately 15,000 cfm.

8. Construction

8.1. General Material

8.1.1. Exterior Steel Panels.8.1.2. Color ESPEC White.

8.1.3. Interior Stainless Steel (SS304).

8.1.4. Insulation Urethane Foam (4 inches) in walls.

8.1.5. Floor 16 Ga. Stainless Steel (SS304) over foam, 400 lbs per ft.sq.

Floor Loading.

8.1.6. Chamber Lighting Ten 100 Watt Lights

8.2. Door

8.2.1. Size 72"W x 78"H.

8.2.2. Configuration Bi-Part.

8.2.3. Viewing Window 14" x 24" heated view port in each door leaf.

8.2.4. Safety Inside Safety Release.8.2.5. Ramp 72"W x 36"L external.

Spc. No. 305536 2/3 8.3. Test Space Dry Bulb Detector, Ceiling Air Distribution Plenum. 8.4. Plenum Area Air Grille, Suction Grille, Heater, Cooler, Overheat Sensor, and Air Circulator. 8.5. Instrumentation Panel Temperature Controller, Chamber Lamp Switch, Running Time Meter, Overheat Adjustable Temperature Limit. 8.6. Machinery Compartment 8.6.1. Top Water and Drain Connection Ports. 8.6.2. Inside Refrigeration Unit, Auto-Regulating Water Control Valves, Refrigeration Gauges. 9. Heater 9.1. Dry Heater 90 KW Nichrome Wire Heater. 10. Cooler Aluminum Fin Cooler. 11. Refrigeration System Mechanical Refrigeration System. 11.1. Refrigeration Compressor 2 X 30 H.P. Semi-Hermetic Compressor. 1 X 15 H.P. Semi-Hermetic Compressor. 11.2. Condenser Water Cooled. 11.3. Expansion System Expansion Valve and Capillary Tube. 11.4. Refrigerants Refrigerant 404A. SCP-220. 12.1. Model Temperature Controller...... 13. Safety Devices 13.1. Electrical Electrical Disconnect for Power. Fuse for Compressors. Fuse for Heaters. for Control Circuit. Fuse for Circulator Motor. Overload Relay Specimen Power Supply Control..... for Product Interlock. External Alarm Terminal for Equipment. 13.2. Refrigeration High/Low Pressure Switch......for Compressor. Oil Pressure Switch for Compressor. Relief Valve for Refrigeration Circuit. 13.3. Chamber Thermal Fuse for Chamber.

Adjustable Overheat of Specimen and Chamber.

Spc. No. 305536 3/3

14. Dimensions

14.1. Exterior

Wid	th	Depth		Height*		
208	in.	465	in.	107.5	in.	
5.28	М	11.81	М	2.73	М	

*Height Includes Electrical Connection Boxes.

14.2. Interior

Width	Depth	Height	Volume	
200 in.	384 in.	78 in.	3468 cu. ft.	
5.08 M	9.75 M	1.98 M	98.20 cu. M	

14.1. Console

Wid	th	Dep	th	Height*		
21	in.	24	in.	68.5	in.	
0.53	М	0.61	М	1.74	M	

15. Utilities

15.1. Power 460VAC / 3Ø / 60 Hz

15.1.1. Service 300 AMP

15.2. Condensate Drain

15.2.1. Connection Size 3/4" FPT Plenum and 4.1" PVC Socket... 15.3. Cooling Water 30 psig Differential Pressure Required.

15.3.1. Connection Size (30 hp x 2)

2" FPT x 2. 15.3.1.1. Water flow @ 75°F 75 GPM x 2. 15.3.1.2. Water flow @ 85°F 95 GPM x 2. 2" FPT. 15.3.2. Connection Size (15 hp)

23 GPM. 15.3.2.1. Water flow @ 75°F 15.3.2.2. Water flow @ 85°F 40 GPM.

16. Included Features

16.1. Recorder DX106 Yokogawa Paperless Recorder with Disk Drive.

16.2. Computer Interface RS232 with ERC-100S software for SCP-220.

16.3. Cooling Water Temperature Qty. 3.

and Pressure Display

16.4. Cooling Water Shutoff Valve Qty. 3.

and Strainer

16.5. Ramp External Removable. 16.6. Ports 4-6" Ports with Plugs. 16.7. Calibration Certificate of Calibration.