



**Walk In Freezer  
Entertainment Complex  
September 11, 2002**



**Type:** **Walk-In Freezer**

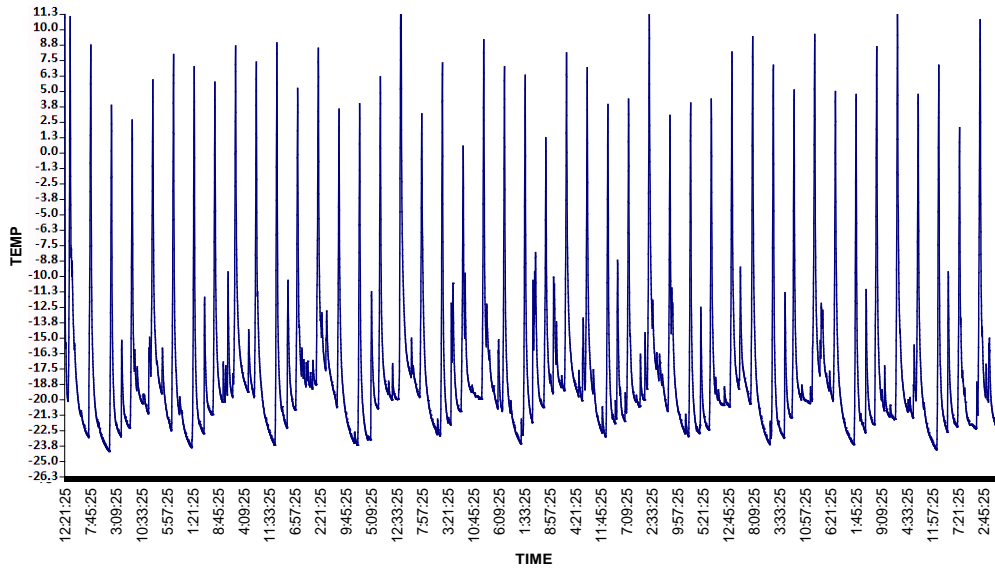
**Equipment Specification:** Bohn evaporator LET1201F  
Compressor EAV-0200-TAC  
Condensor 77WH-9200-TAC-001CS10K6E-TF5  
XSTREAM<sup>®</sup> Valve XSTC1L4401  
A.R.M.E.D.<sup>®</sup> 053

**Protocol:**

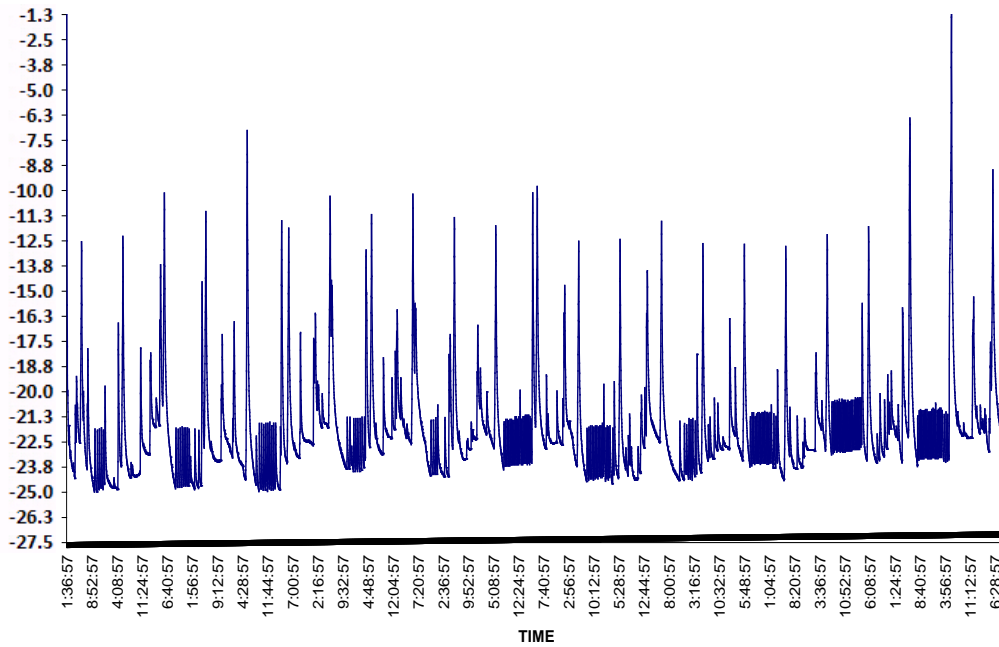
- Temp/RH:
  - 3 Temp Tale Temperature/RH sensors were used to monitor temperature/RH



### SUPPLY PREXDX AVERAGE 3.65



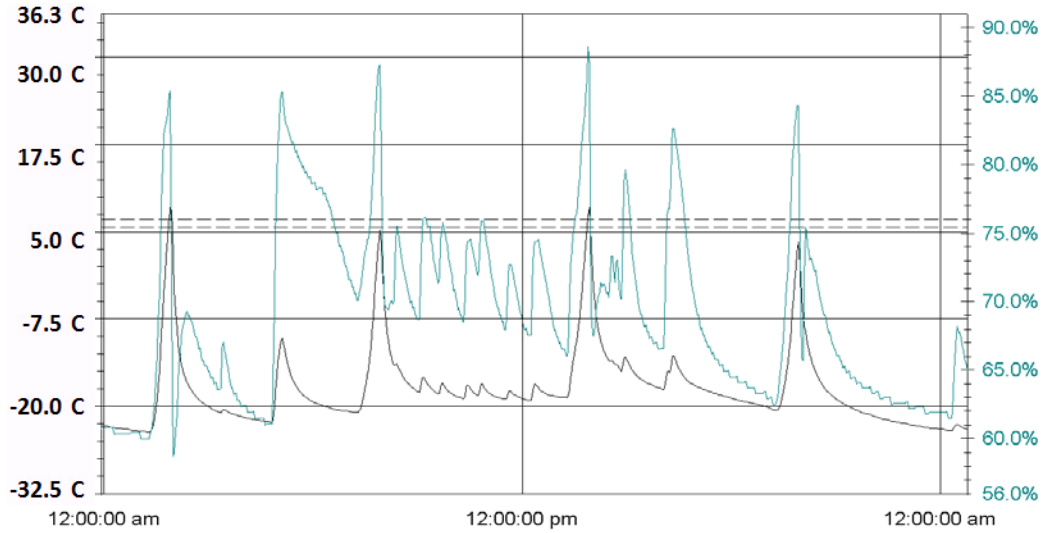
### SUPPLY TEMP XDX AVERAGE TEMP -3.57





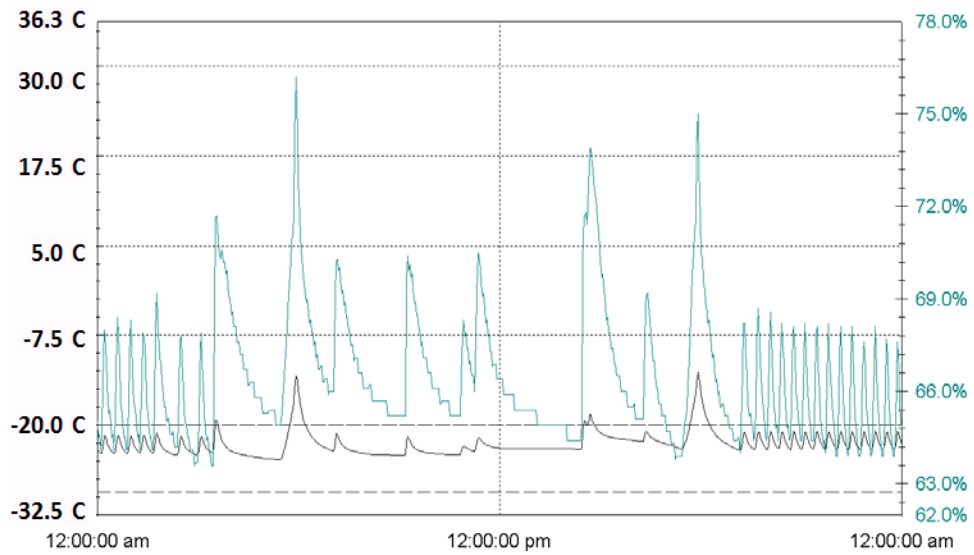
Pre XDX® - Supply

TempTaleH: Ambient + Humidity Label Serial # 114822 Monitor Serial # 463310045



XDX® - Supply

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## DEFROST TIMES & TEMPERATURES

### CONVENTIONAL

THURSDAY, JULY 25<sup>TH</sup>

HIGH	34.3C /93.9F
AVERAGE	28.6C /83.5F
LOW	22.7C /73F
RAIN	4:30PM-10:00PM
PRECIP	.06cm

### XDX<sup>®</sup>

THURSDAY, AUGUST 29<sup>TH</sup>

HIGH	32.7C / 91F
AVERAGE	28.2C / 82.8F
LOW	23C / 73.4F
RAIN	4:36PM-9:00PM
PRECIP	.9cm

#### DEFROST #1

START	2:23 AM	-15.5C/4.1F	NONE
END	2:53AM	7.2C/45F	
PULLDOWN	5:51	-15.4C/4.2F	
<b>3 HOURS 28 MINUTES</b>			

#### LOADING OF BOX

START	5:51AM	-19.4C/-3F
END	6:07AM	-9.4C/15F
PULLDOWN	7:19AM	-18.3C/-1F
<b>1 HOUR 28 MINUTES</b>		

#### LOADING OF BOX

START	5:26AM	-21.3C/-6.3F
END	5:32AM	-17.2C /1.0F
PULLDOWN	5:58AM	-21.3C/-6.3F
<b>32 MINUTES</b>		

#### DEFROST #2

START	8:21AM	-15C/5F
END	8:55AM	5C/41F
PULLDOWN	9:05AM	-15.5C/4.1F
<b>1 HOUR 44 MINUTES</b>		

#### DEFROST #1

START	6:30AM	-21.5C/-6.8F
END	6:54AM	- 11.72C/10.9F
PULLDOWN	8:02AM	-21C/-5.8F
<b>1 HOUR 32 MINUTES</b>		

#### DEFROST #3

START	2:19PM	-16.6C /2F	NONE
END	2:55PM	7.5C/45.6F	
PULLDOWN	5:05PM	-15.4C/4.2	
<b>2 HOURS 46 MINUTES</b>			

#### DEFROST #4

START	7:23PM	-17.7C/0F
END	8:55PM	3.16C/37.7F
PULLDOWN	10:14PM	-20C/-4F
<b>2 HOURS 56 MINUTES</b>		

#### DEFROST #2

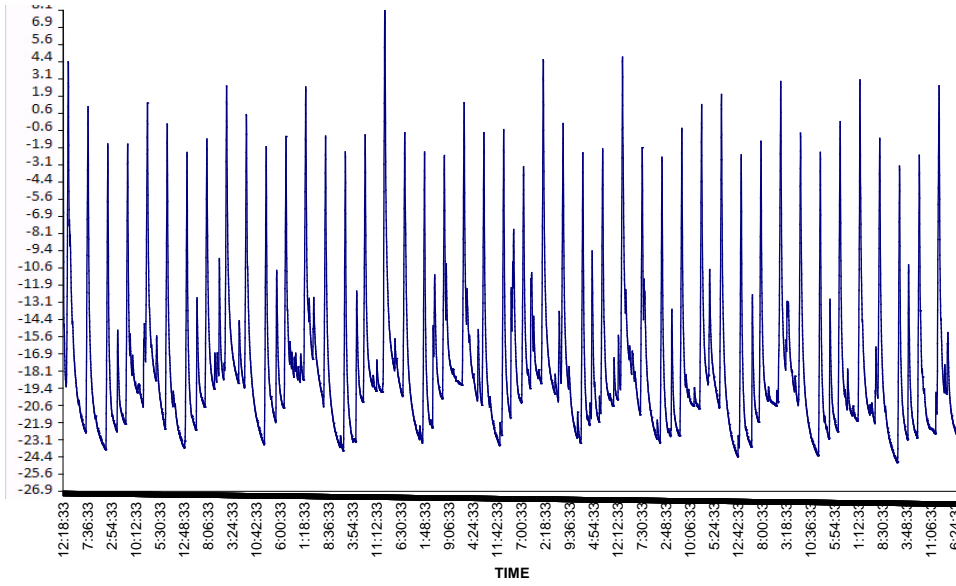
START	6:30PM	-20.2C/-4.5F
END	6:54PM	-11.2C/11.8F
PULLDOWN	8:12PM	20.7C/-5.4F
<b>1 HOUR 42 MINUTES</b>		

**TOTAL DEFROST TIME:** CONVENTIONAL **10 HOURS 54 MINUTES**  
**TOTAL LOAD TIME:** **1 HOURS 28 MINUTES**

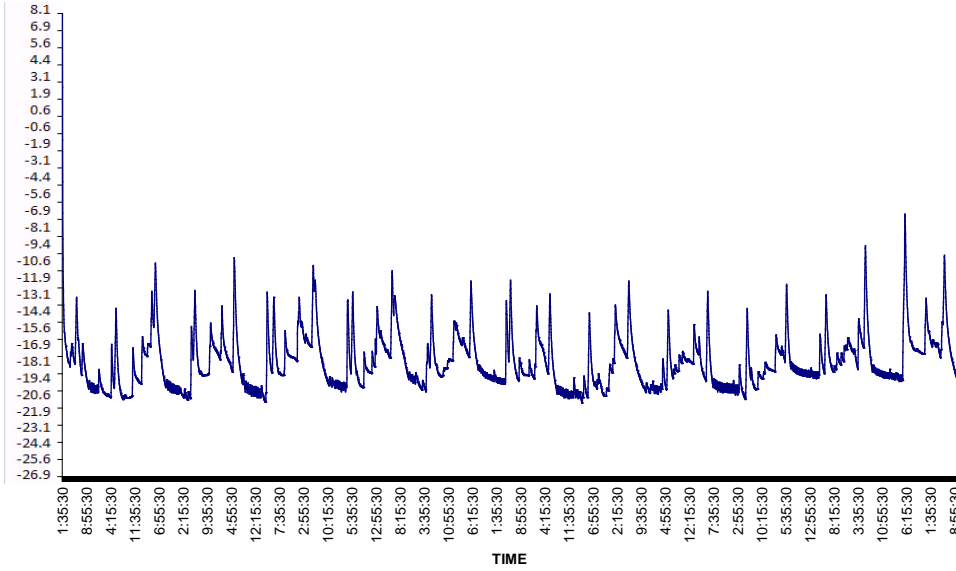
**TOTAL DEFROST TIME:** XDX<sup>®</sup> **3 HOURS 14 MINUTES**  
**TOTAL LOAD TIME:** **32 MINUTES**



### RETURN TEMPERATURE - PREXDX



### RETURN TEMPERATURE - POST XDX AVERAGE TEMPERATURE -2.35





# MINUTES OVER -6.6°C

