



Unit Rating

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AAONEcat32 Ver. 4.183 (SN: 6476976-H53L52NP)

1A 1B 1C 1D 2 3 4 5A 5B 5C 6A 6B 6C 7 8 9 10 11 12 13 14A 14B 15 16 17 18 19 20 21 22 23

RN-015-8-0-EA09-172:K000-000-DHE-AH0-000C00F-00-0000000AB

Tag: RTU# 1

Job Information

Job Name: VA Temp Cooling Air Works
Job Number: Job #426
Site Altitude: 0 ft
Refrigerant: R-410A

Unit Information

Approx. Op./Ship Weights: 1749 / 1749 lbs.
Supply CFM/ESP: 3000 / 2.5 in. wg.
Pre-Filter FV / Qty: 216.00 fpm / 4
Final-Filter FV / Qty: 216.00 fpm / 4
Outside CFM: 3000
Ambient Temperature: 95 °F DB / 75 °F WB

Static Pressure

External: 2.50 in. wg.
Evaporator: 0.17 in. wg.
Filters Clean: 0.25 in. wg.
Dirt Allowance: 0.35 in. wg.

Economizer: 0.00 in. wg.
Heating: 0.02 in. wg.
Cabinet: 0.02 in. wg.
Total: 3.31 in. wg.

Cooling Section

	Gross	Net
Total Capacity:	189.79	182.59 MBH
Sensible Capacity:	123.27	116.06 MBH
Latent Capacity:	66.52 MBH	
Mixed Air Temp:	95.00 °F DB	75.00 °F WB
Entering Air Temp:	95.00 °F DB	75.00 °F WB
Lv Air Temp (Coil):	55.23 °F DB	55.03 °F WB
Lv Air Temp (Unit):	57.43 °F DB	55.91 °F WB
Digital Comp. Capacity Ratio:	100%	
Supply Air Fan:	1 x RN185D70 @ 2.53 BHP	
SA Fan RPM / Width:	2001 / 2.898"	
Evaporator Coil:	14.6 ft ² / 4 Rows / 14 FPI	
Evaporator Face Velocity:	205.7 fpm	

Heating Section

PreHeat Type: Std (No Preheat)
Heating Type: Electric Heat
Heating CFM: 3000
Total Capacity: 205.1 MBH
OA Temp: 10.0 DB / 9.0 °F WB
RA Temp: 75.0 °F DB / 62.0 °F WB
Entering Air Temp: 10.0 °F DB / 9.0 °F WB
Leaving Air Temp: 73.3 °F DB / 47.2 °F WB
Input: 60.1 kW
Heater Qty: 8
Electric Heat FLA: 166.8

AHRI Listing Information

Cooling Capacity (MBH): 174.0
Cooling EER: 11.1
Cooling IEER: 13
Application EER @ Op. Conditions: 10.5

Electrical Data

Rating: 208/3/60
Unit FLA: 177

Minimum Circuit Amp: 180
Maximum Overcurrent: 200

	Qty	HP	VAC	Phase	RPM	FLA	RLA
Compressor 1:	1		208	3			24
Compressor 2:	1		208	3			25
Condenser Fans:	2	0.75	208	1	1075	5.4	
Supply Fan:	1	3.00	208	3	1760	10.6	

Cabinet Sound Power Levels*

Octave Bands:	63	125	250	500	1000	2000	4000	8000
Discharge LW(dB):	87	85	89	86	78	76	72	67
Return LW(dB):	80	76	78	71	67	62	51	41

*Sound power levels are given for informational purposes only. The sound levels are not guaranteed.