

Printed (yyyy-mm-dd): 2024-06-20

All dimensions shown in inches, Operating weights shown in pounds. Overall unit dimensions do not include lifting lugs, electrical panels, pipe connections, door handles, etc.
ITF - Integrated Frame Field Knockdown Construction

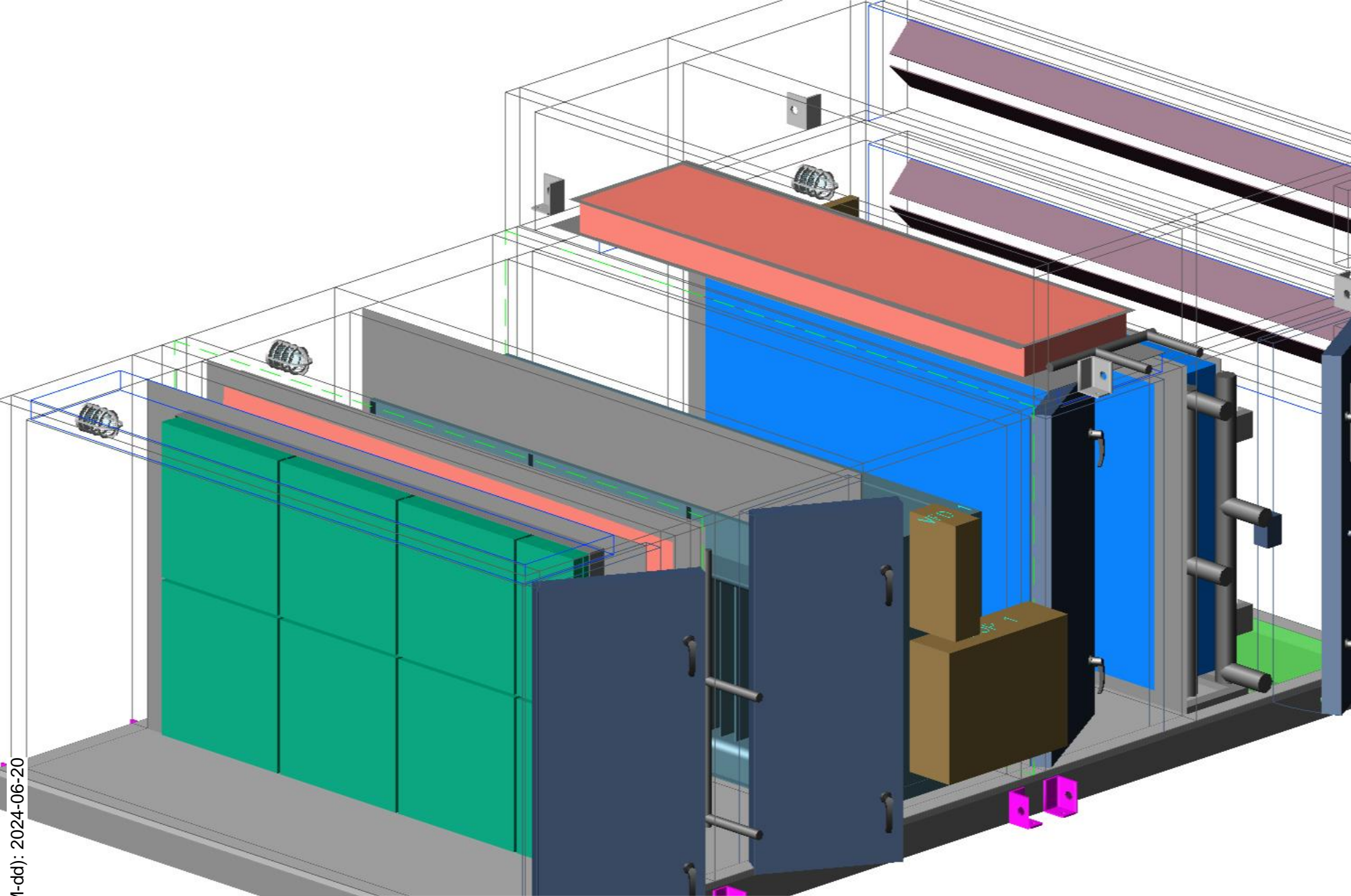


106 N Industrial Blvd. (405) 817-9700
Okarche, OK 73762 www.nortekair.com

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Rev	Revision Description	Date m/d/y
	Eglin AFB Bldg 1206	
Unit Tag	AHU-1	Unit Type Indoor
Rep Firm	Tom Barrow Company: Pensacola	Weight
Rep Contact	Josh Belt, (850) 432-4076	Box Qty
Model No	ITF-DV36	
QUOTE #	N002970001	NASDA Ver
JOB #		Factory SAE
		Date m/d/y
		Rev

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Eglin AFB Bldg 1206

Unit Tag AHU-1	Unit Type Indoor	Desg Qty 1
Rep Firm Tom Barrow Company: Pensacola	Pensacola, FL, US	Weight 6,878
Rep Contact Josh Belt, (850) 432-4076	Model No ITF-DV36	Box Qty 4
QUOTE #	JOB # N002970001	NASDA Ver 10.1.1
		Factory SAE BDL
		Date m/d/y 11/6/2021
		Rev A

Project Name: Eglin AFB Bldg 1206

Sales Order #: -001

Unit Tag: AHU-1

Product Type	Air Handler	Factory Finish	Polyester Resin	Design Quantity	1
Cabinet Const.	ITF - Integrated Frame	Knockdown Const.	Field	Factory SAE	BL
Environment	Indoor	Measurement System	US Standard	Wall Thickness	3

Box A Cabinet and Components

* Box Dimensions do not include lifting lugs, electrical panels, pipe connections, door handles, etc. The height dimensions include raised roof seams and sloped roof for outdoor equipment. Box weights do not include roof curbs.

Length (in)	Height (in)	Width (in)	12" Weight (lb)		Weight (lb)
36.00	62.00	107.00	252.74	Cabinet Only	758
Exterior Material	0.063 Alum Pre-Paint		Finish Color	Sandstone	
Base Structure	Steel Tube		Interior Material	0.040 Alum	
Base Height	5 in		Insulation	Polyurethane Foam	
Base Floor Mat.	16Ga Galv		Base Liner	20Ga Galv	
Base Insulation	Polyurethane Foam				

Qty	Box A Component Description	Weight (lb)
1	3" Thermal Break Factory Door: 25 x 54.5 Out Swing VW: None	46
1	FIXTURE, VAPORPROOF, 100W JELLY JAR	6
1	OPENING: (Outside Air) Rectangle 100.00 x 18.00	0
1	Pre/Final Filter: 4 Columns x 2 Rows	52
6	Pleated Filter SC 24x24x2 M8 (1 Set) - Face Load	8
2	Pleated Filter SC 12x24x2 M8 (1 Set) - Face Load	2
6	Box Filter (No Header) 24x24x4 M13 (1 Set) - Face Load	60
2	Box Filter (No Header) 12x24x4 M13 (1 Set) - Face Load	10
6	FRAME, TYPE 8, 16ga GALV W/CLOSED CELL, 24 X 24	46
32	Filter Clip Farr C-79-5 Gal	3
2	FRAME, TYPE 8, 16ga GALV W/CLOSED CELL, 12 X 24	11
Box A Component Totals		245
Box A Cabinet & Component Totals		1,003

Box B Cabinet and Components

* Box Dimensions do not include lifting lugs, electrical panels, pipe connections, door handles, etc. The height dimensions include raised roof seams and sloped roof for outdoor equipment. Box weights do not include roof curbs.

Length (in)	Height (in)	Width (in)	12" Weight (lb)		Weight (lb)
67.00	62.00	107.00	204.11	Cabinet Only	1,140
Exterior Material	0.063 Alum Pre-Paint		Finish Color	Sandstone	
Base Structure	Steel Tube		Interior Material	0.040 Alum	
Base Height	5 in		Insulation	Polyurethane Foam	
Base Floor Mat.	16Ga Galv		Base Liner	20Ga Galv	
Base Insulation	Polyurethane Foam				

Qty	Box B Component Description	Weight (lb)
1	3" Thermal Break Factory Door: 22 x 54.5 Out Swing VW: None	43
1	FIXTURE, VAPORPROOF, 100W JELLY JAR	6
1	9NS-42x91x1-5AL, .010F, .035T 16Ga Galv, 16Ga Galv Blankoff	249
1	FANWALL: (SUPPLY) 18-85 - 184T - 40 x 32 x 28 - A3 (PentaCube) -- ELECTRICAL: Standard, All Fans, Magnesense, Wired to: MSP Panel & VFD Only	742
3	FANWALL Backdraft Damper, FBD-8, 24"(w) x 24"(h) ID	51
3	Motor Toshiba TEAO 1800rpm 5-7HP 230/460 Insul Brngs Keyed	347

Project Name: Eglin AFB Bldg 1206

Sales Order #: -001

Unit Tag: AHU-1

Qty	Box B Component Description (Cont.)	Weight (lb)
1	VFD Only 4.9" x 17.6" x 9.2" NEMA 1 Indoor	0
1	VFD Yaskawa 15HP 460V CIMR-ZU-4A0021FAA	21
1	MSP Panel 24" x 20" x 8" NEMA 4 Indoor / Outdoor	72
Box B Component Totals		1,531
Box B Cabinet & Component Totals		2,671

Box C Cabinet and Components

* Box Dimensions do not include lifting lugs, electrical panels, pipe connections, door handles, etc. The height dimensions include raised roof seams and sloped roof for outdoor equipment. Box weights do not include roof curbs.

Length (in)	Height (in)	Width (in)	12" Weight (lb)	Weight (lb)	
73.00	62.00	107.00	186.36	Cabinet Only 1,134	
Exterior Material		0.063 Alum Pre-Paint		Finish Color	Sandstone
Base Structure		Steel Tube		Interior Material	0.040 Alum
Base Height		5 in		Insulation	Polyurethane Foam
Base Floor Mat.		16Ga Galv		Base Liner	20Ga Galv
Base Insulation		Polyurethane Foam			

Qty	Box C Component Description	Weight (lb)
1	3" Thermal Break Factory Door: 24 x 54.5 In Swing VW: None	52
1	3" Thermal Break Factory Door: 22 x 54.5 Out Swing VW: 10 in x 10 in Thermal Break	49
2	FIXTURE, VAPORPROOF, 100W JELLY JAR	13
1	OPENING: (Supply Air) Rectangle 93.00 x 21.00	0
1	5WC-4-46.5x91x8-11AL, .008F, .020T 16Ga 304 SS, 16Ga 304 SS Blankoff	856
1	Drain Pan 22.50" x 101.00" (16Ga 304 SS)	105
1	UV Light(H) 20.375 (W) 13.875	45
1	OPENING: (Supply Air) Rectangle 100.00 x 18.00	1
1	DAMPER: Ruskin CD 60 (Galvanized) - 100.000 in (Blade Direction) x 18.000 in -- Actuator: Furnished by Others, Mounted by Others - Wired by Others	46
Box C Component Totals		1,167
Box C Cabinet & Component Totals		2,300

Project Name: Eglin AFB Bldg 1206

Sales Order #: -001

Unit Tag: AHU-1

Box D Cabinet and Components

* Box Dimensions do not include lifting lugs, electrical panels, pipe connections, door handles, etc. The height dimensions include raised roof seams and sloped roof for outdoor equipment. Box weights do not include roof curbs.

Length (in)	Height (in)	Width (in)	12" Weight (lb)		Weight (lb)
73.00	21.00	107.00	67.58	Cabinet Only	411
Exterior Material		0.063 Alum Pre-Paint		Finish Color	Sandstone
Base Structure		N/A		Interior Material	0.040 Alum
Base Height		N/A		Insulation	Polyurethane Foam
Base Floor Mat.		N/A		Base Liner	N/A
Base Insulation		N/A			

Qty	Box D Component Description	Weight (lb)
1	9NS-21x89x1-9AL, .010F, .035T 16Ga Galv, 16Ga Galv Blankoff	157
1	OPENING: (Return Air) Rectangle 100.00 x 17.50	1
1	DAMPER: Ruskin CD 60 (Galvanized) - 100.000 in (Blade Direction) x 17.500 in -- Actuator: Furnished by Others, Mounted by Others - Wired by Others	45
Box D Component Totals		202
Box D Cabinet & Component Totals		613

Qty	Design Items	Weight (lb)
1	Factory Testing: None	0
1	Design Miscellaneous	0
Design Item Totals		0

Weight (Ea)	Weight (lb)
	6,588

Errors and Warnings

- Light 1: Pricing may not be correct due to warning messages: The wiring object being connected to cannot be set to None.
- Light 4: Pricing may not be correct due to warning messages: The wiring object being connected to cannot be set to None.
- Light 3: Pricing may not be correct due to warning messages: The wiring object being connected to cannot be set to None.
- Light 2: Pricing may not be correct due to warning messages: The wiring object being connected to cannot be set to None.

Project Name: Eglin AFB Bldg 1206

Sales Order #: -001

Unit Tag: AHU-1

106 Static Pressure Summary

106.1 Condition 1

106.1.1 Unassigned

<i>Tunnel</i>	<i>Description</i>	<i>APD (in.H2O)</i>
AirTunnel 2	RA Opening - Damper (Return Air)	0.05
AirTunnel 2	Steam Coil 3	0.53
Total Static Pressure:		0.58

106.1.2 Supply

<i>Tunnel</i>	<i>Description</i>	<i>APD (in.H2O)</i>
AirTunnel 1	SA Opening - Damper (Supply Air)	0.14
AirTunnel 1	Steam Coil 1	0.10
AirTunnel 1	OSA Opening (Outside Air)	0.00
AirTunnel 1	Filter 1, Pre / Final (Initial Pressure Drop)	0.84
AirTunnel 1	Chilled Water Coil 1	1.15
AirTunnel 1	UVLight 1	0.02
AirTunnel 1	FANWALL 1 (Supply) 13,800 ACFM @ 4.00 in.H2O	0.00
Total Static Pressure:		2.25

Legend: ESP - External Static Pressure, OSA - Outside Air, EXH - Exhaust Air, RA - Return Air, SA - Supply Air

106.2 Notes/Legend

1. Summary report does not include static pressure of components supplied by others in the field unless otherwise noted.

Project Name: Eglin AFB Bldg 1206

Sales Order #: -001

Unit Tag: AHU-1

200 FANWALL 1 (Supply) : FWT1 : Box B

18-85 - 184T - 40 x 32 x 28 - A3

200.1 Configuration / Quantity

1. Function	Supply Fan	Cell Size	6.Height	7.Width	8.Depth	9.Overall Depth
2. Quantity	3		40	32	28	35.25
3. Array	1 Rows x 3 Cols	10. Elev. / Temp.		69 ft / 70.0 °F		
4. Construction	PentaCube	11. Motor & Wheel Weight		162 lb	13.Redundant	0
5. Stand Height	N/A	12. Fan Cell Weight		362 lb	14. Empty	0
		15. Ship Loose Fan (Wheel, Motor and Mounting Base)				0

200.2 Options

1. Coplanar Insulation	Standard Melamine	6. Blankoff Material	16Ga Galv
2. Back Draft Dampers	FBD8	7. Removal Rail	No
3. Inlet Cone Type	A100 Curved Cone		
4. Discharge Safety Guard	No		
5. Cell Material	Steel		

200.3 Fan Wheel

1. Wheel Type	HPF-A100	3. Width	85
2. Diameter	18	4. Max RPM	3862
		5. Wheel Finish	None

200.4 Motor

1. Manufacturer	Toshiba	6. Efficiency	89.5
2. HP Each / Total	5 / 15	7. Service Factor	1.15
3. Poles / RPM	4-Pole / 1,755	8. Shaft Isolation	Ceramic Bearings
4. Frame / Casing	184T / TEAO	9. FLA Each / Total	6.4 / 19.2 Amps
5. Volts / Phase / Hz	460/3/60	10. Motor HP Safety Factor	3.0 %

200.5 Variable Frequency Drive

1. Furnished by	Factory	7. Input / Output Amps	21 / 21 Amps
2. Quantity	1	8. Maximum Hertz	89.88
3. Manufacturer	Yaskawa	9. Switching Frequency	Default
4. Model No	CIMR-ZU4A0021FAA		
5. Horsepower	15		
6. Voltage	460/3/60		

Notes:

1. Standalone VFD, not located in electrical panel.

200.6 Control System

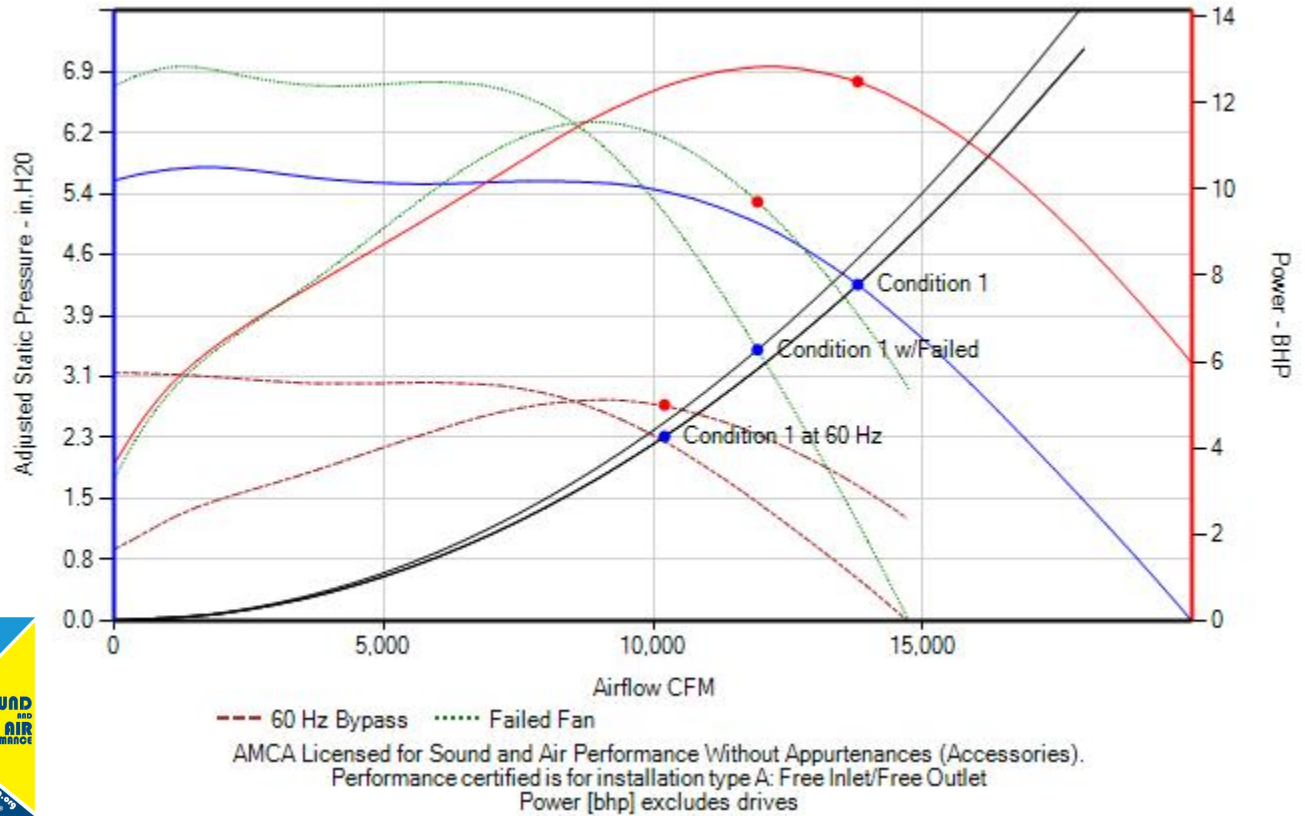
1. Drive	Standard	3. Flow Monitoring	Yes
2. Control Method	By Others	4. Fans to Monitor	All Fans
		5. Display	Magnesense

200.7 Notes / Features

1. To view patents and other pending U.S. or Canadian applications visit www.nortekair.com/patents.
2. Cell velocity is greater than 750.00 ft/min.
3. (3) airflow measurement taps. Cone constant = 2104, cone flow differential pressure = 8.03 in.H2O at 5968 CFM per fan.
4. The estimated VFD input watts are based on the motor and VFD efficiency at the selected load and RPM.
5. Fans balanced to a maximum allowable level of 0.022 inches per second peak.

200 FANWALL 1 (Supply) : FWT1 : Box B (Continued)

18-85 - 184T - 40 x 32 x 28 - A3



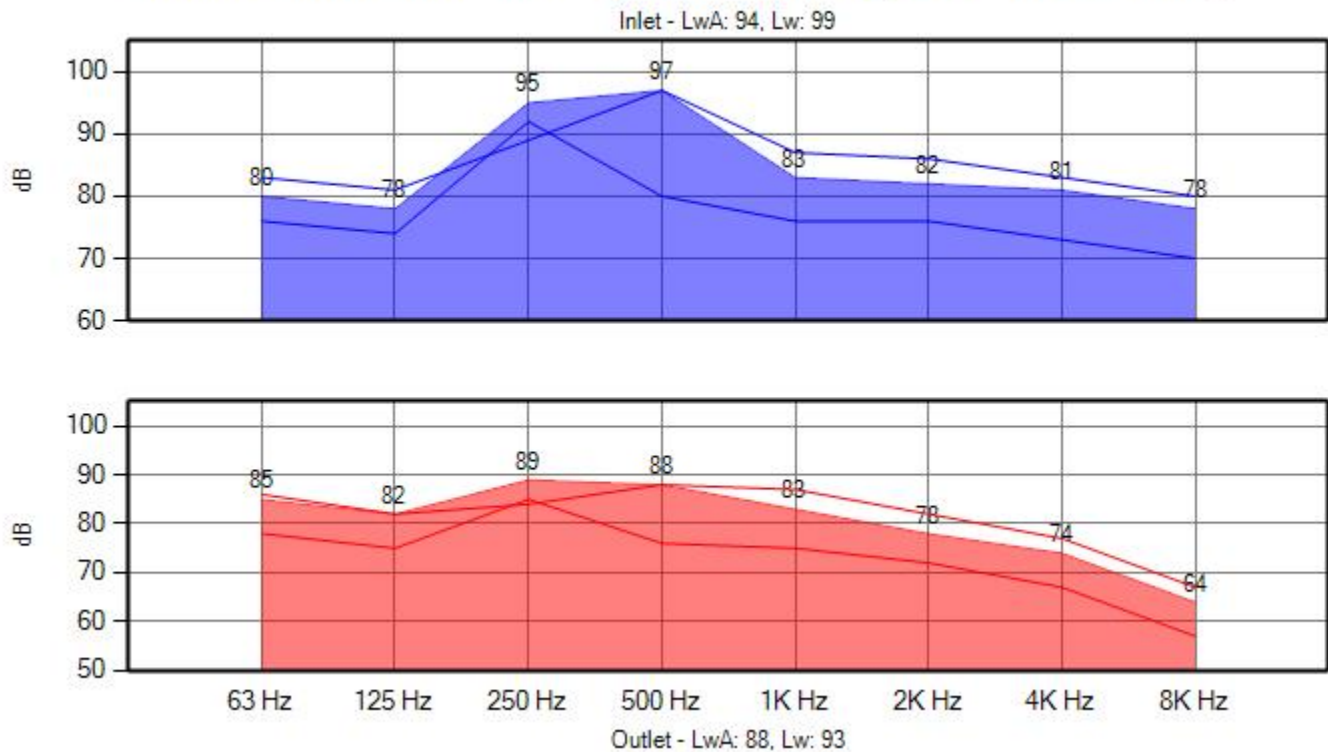
200.8 Operating Conditions

Operating Condition	Usage (%)	CFM	SP (in.H2O)		Cell Qty			RPM	Hz	Fanwheel BHP		Vel. (ft/min)	Watts	FEG % O.P.	FEI
			Input	Adj.	On	Off	Fail			Each	Total				
Condition 1	100	13,800	4.00	4.25	3	0	0	2,379	81.3	4.17	12.50	657	10,885	FEG85 0%	1.42
Condition 1 at 60Hz	100	10,212	2.20	2.33	3	0	0	1,755	60	1.67	5.00	486	4,710	FEG85 0%	1.48
Condition 1 w/ Failed	100	11,936	2.99	3.43	2	0	1	2,629	89.9	4.85	9.71	853	8,421	FEG85 4%	1.29

200 FANWALL 1 (Supply) : FWT1 : Box B (Continued)

18-85 - 184T - 40 x 32 x 28 - A3

Bare Fan Sound Power with Coplanar Silencer (dB re: 10E-12 watts)



200.9 Bare Fan Sound Power with Coplanar Silencer (dB re: 10E-12 watts)											
Operating Condition		63	125	250	500	1k	2k	4k	8k	LwA	Lw
Condition 1	Inlet	80	78	95	97	83	82	81	78	94	99
	Outlet	85	82	89	88	83	78	74	64	88	93
Condition 1 at 60Hz	Inlet	76	74	92	80	76	76	73	70	86	93
	Outlet	78	75	85	76	75	72	67	57	81	87
Condition 1 w/ Failed	Inlet	83	81	89	97	87	86	83	80	95	99
	Outlet	86	82	84	88	87	82	77	67	90	93

Project Name: Eglin AFB Bldg 1206
Unit Tag: AHU-1

Sales Order #: -001

200 FANWALL 1 (Supply) : FWT1 : Box B (Continued)

18-85 - 184T - 40 x 32 x 28 - A3

200.10 AMCA Statement

Nortek Air Solutions LLC certifies that the HPF-A100 fan wheel shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

The AMCA licensed air and/or sound performance data has been modified for installation, appurtenances or accessories, etc. not included in the certified data. The modified performance is not AMCA licensed but is provided to aid in selection and applications of the product. Performance certified is for installation type A: Free Inlet/Free Outlet Power [bhp] excludes drives

FWTRating DLL: Ver-1.6 / May 2022



Project Name: Eglin AFB Bldg 1206

Sales Order #: -001

Unit Tag: AHU-1

300 Chilled Water Coil 1 : CW1 : Box C

5WC - 4 - 46.5 x 91 x 8 - 11 AL

300.1 Coil Layout

1. Coil Hand	Right	6. Blankoff Material	16Ga 304 SS
2. Configuration	Single		
3. Connection Orientation	Straight		
4. Connection Material	Red Brass		
5. Connection Type	MPT		

300.2 Construction

1. Quantity	1	8. Stand Height	1 in	14. Casing	16Ga 304 SS
2. Serpentine	2	<i>Tube Detail - Primary Surface</i>		15. Coating	None
3. Fin Height	46.500 in	9. Material	Copper	<i>Fin Detail - Secondary Surface</i>	
4. Fin Length	91.000 in	10. O.D. x Wall	0.625 x 0.020 in	16. Material	Aluminum
5. Rows	8	11. Spacing	1.500 x 1.299 in	17. Thickness	0.008 in
6. Fins per Inch	11	12. Internal	Smooth	18. Configuration	Corrugated, Waffle with Straight Edge
7. Face Area	29.39 ft ²	13. Return Bends	0.028 in		

Single Bank, Right Hand, 1 per unit

5WC - 4 - 46.5 x 91 x 8 - 11 AL

<i>Supply / Return Connections</i>				<i>Vent and Drain</i>		
Quantity	Type	Pipe Size	Material	Type	Vent Location	Drain Location
4	MPT	3.0 in	Red Brass	0.125 in FPT	Return Connection	Supply Connection

300.3 Condition 1

<i>Entering</i>		<i>Leaving</i>	
1. Actual Airflow	13,800 ACFM	10. Total Capacity	1,358.4 MBH
2. Standard Airflow	13,387 SCFM	11. Sensible Capacity	506.0 MBH
3. Elevation	69 ft	12. Actual Face Velocity	469.62 ft/min
4. Entering Air DB	85.0 °F	13. Leaving Air DB	50.6 °F
5. Entering Air WB	80.0 °F	14. Leaving Air WB	50.6 °F
6. Fluid Type	Water	15. APD	1.15 in.H2O
7. Entering Fluid Temp	45.0 °F	16. Leaving Fluid Temp	55.0 °F
8. Fluid Flow Rate	270.6 GPM	17. Fluid Velocity	4.84 ft/s
9. Fluid Fouling Internal	0.0000	18. Fluid Pressure Drop	10.50 ft.H2O

Notes:

1. Certified in accordance with the AHRI Forced-Circulation Air-Cooling and Air-Heating Coils Certification Program which is based on AHRI Standard 410 within the Range of Standard Rating Conditions listed in Table 1 of the Standard. Certified units may be found in the AHRI Directory at www.ahridirectory.org.

300.4 Notes / Features

1. Manufacturer: Nortek Air Solutions, 5510 SW 29th Street, Oklahoma City, OK 73179
2. Top and bottom casing flange height is 1.000 in.
3. SCFM is corrected for Elevation and EDB.
4. Coils to be pressure tested at 315 PSI
5. Total operating weight is 1,147 lb.
6. Total fluid volume is 33.1 Gal.

Project Name: Eglin AFB Bldg 1206

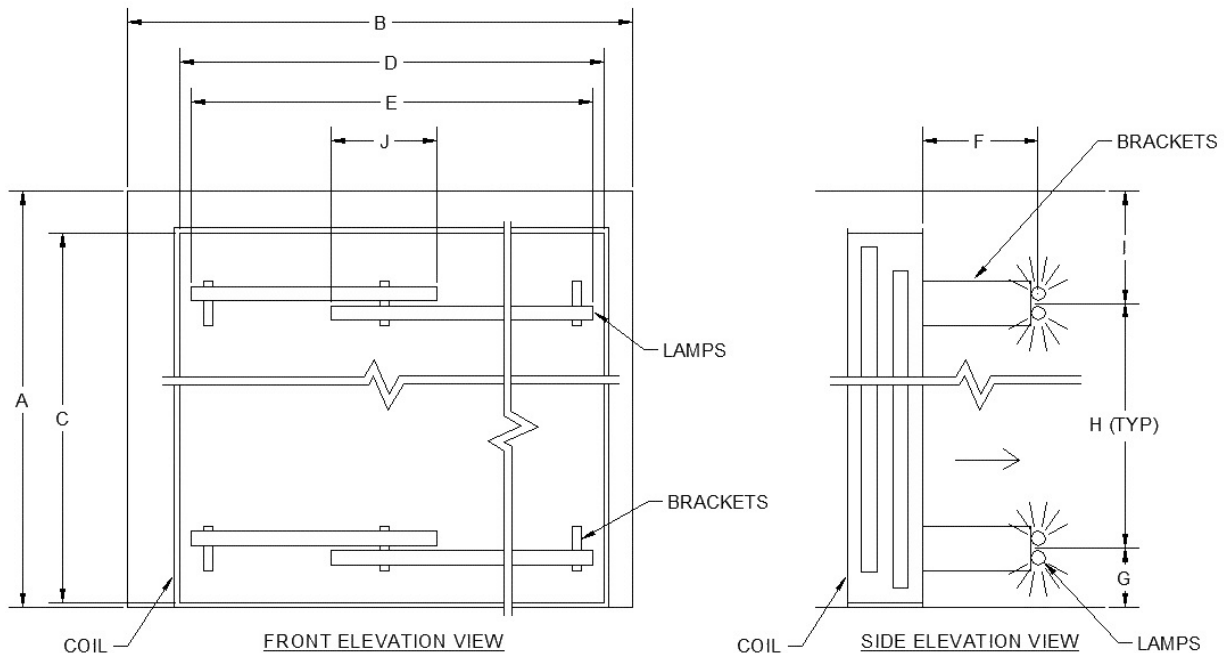
Sales Order #: -001

Unit Tag: AHU-1

301 UVLight 1 : CW1 : Box C

301.1 Construction

1. Provided By	Factory	12. Safety Switch	Factory Supplied
2. Product Type	RLM Xtreme	13. Extra Relay Switches	0
3. Fixture	Lamp Included	14. Conduit Loom Kits	Yes
4. Voltage	120/1/60	15. LampLoom Down Exit	Yes
5. Total Watts	740		
6. Watts at Coil Surface	18.73 Watts/ft ²		
7. Rows of Lights	2		
8. Fixtures Per Row	2		
9. Total Lamp Sets	1		
10. Encapsulamp	Yes		
11. X-Box Panel Type	P - 12V Contact Controller Not Included		



301.2 Dimensional Data (in)

A	B	C	D	E	F	G	H	I	J
53.00	101.00	48.50	91.00	91.00	6.00	8.90	29.30	14.80	31.00

301.3 Purchased Items

UVR Part Num	Description	Quantity
55086551	RLM Xtreme 61" Single Ended- High Output EncapsuLamp	4
55008022	RLM Conduit Loom Kit-20' S/S Flex Conduit w/Down Exit LampHolder	4
55000009	Dual LampHolster - Extended Base	2
55800064	RLM-X-Box 4P 120-277V w/CU2	1

301.4 Electrical Service Information

1. Volt/Phase/Hertz	120/1/60	3. Provides power to	UVLight 1
2. MCA	6.2		
1. For electrical loads see electrical drawings			

Project Name: Eglin AFB Bldg 1206

Sales Order #: -001

Unit Tag: AHU-1

302 Steam Coil 1 : SC1 : Box B

9NS - 42 x 91 x 1 - 5 AL

302.1 Coil Layout

1. Coil Hand	Right	6. Rack Style	None
2. Configuration	Single	7. Rack Finish	None
3. Connection Orientation	Straight	8. Blankoff Material	16Ga Galv
4. Connection Material	Red Brass	9. Blankoff Finish	None
5. Connection Type	MPT		

302.2 Construction

1. Quantity	1	8. Stand Height	6 in	14. Casing	16Ga Galv
2. Serpentine	0.5	<i>Tube Detail - Primary Surface</i>		15. Coating	None
3. Fin Height	42.000 in	9. Material	Copper	<i>Fin Detail - Secondary Surface</i>	
4. Fin Length	91.000 in	10. O.D. x Wall	1.125 x 0.035 in	16. Material	Aluminum
5. Rows	1	11. Spacing	3.000 in x 1 row	17. Thickness	0.010 in
6. Fins per Inch	5	12. Internal	Internal Steam Distributing (ISDT)	18. Configuration	Corrugated, Waffle with Straight Edge
7. Face Area	26.54 ft ²				
		13. Return Bends	N/A		

Single Bank, Right Hand, 1 per unit

9NS - 42 x 91 x 1 - 5 AL

Supply / Return Connections

Quantity	Supply Size	Return Size	Type	Material
2	1.500 in	1.500 in	MPT	Red Brass

302.3 Condition 1

<i>Entering</i>		<i>Leaving</i>	
1. Actual Airflow	13,800 ACFM		
2. Standard Airflow	15,043 SCFM	7. Sensible Capacity	698.6 MBH
3. Elevation	69 ft	8. Actual Face Velocity	519.94 ft/min
4. Entering Air DB	25.0 °F	9. Leaving Air DB	67.8 °F
5. Steam Pressure	10.0 psig	10. APD	0.10 in.H2O
6. Steam Temperature	239.0 °F	11. Condensate	733.1 lb/hr

Notes:

1. Certified in accordance with the AHRI Forced-Circulation Air-Cooling and Air-Heating Coils Certification Program which is based on AHRI Standard 410 within the Range of Standard Rating Conditions listed in Table 1 of the Standard. Certified units may be found in the AHRI Directory at www.ahridirectory.org.
2. If EDB is less than or equal to 32°F, 5 psig is the recommended minimum steam pressure with NO modulating steam valve.

302.4 Notes / Features

1. Manufacturer: Nortek Air Solutions, 5510 SW 29th Street, Oklahoma City, OK 73179
2. Customer has verified room outside the unit for proper trapping and piping so that the coil can be installed on the unit floor.
3. This coil is built with casing flanges pitched from 1.875 in. to 0.875 in.
4. This coil is built with tubes pitched toward the return end to insure proper condensate removal.
5. SCFM is corrected for Elevation and EDB.
6. Total operating weight is 249 lb

Project Name: Eglin AFB Bldg 1206

Sales Order #: -001

Unit Tag: AHU-1

303 Steam Coil 3 : SC3 : Box D

9NS - 21 x 89 x 1 - 9 AL

303.1 Coil Layout

1. Coil Hand	Right	6. Rack Style	None
2. Configuration	Single	7. Rack Finish	None
3. Connection Orientation	Straight	8. Blankoff Material	16Ga Galv
4. Connection Material	Red Brass	9. Blankoff Finish	None
5. Connection Type	MPT		

303.2 Construction

1. Quantity	1	8. Stand Height	N/A	14. Casing	16Ga Galv
2. Serpentine	0.5	<i>Tube Detail - Primary Surface</i>		15. Coating	None
3. Fin Height	21.000 in	9. Material	Copper	<i>Fin Detail - Secondary Surface</i>	
4. Fin Length	89.000 in	10. O.D. x Wall	1.125 x 0.035 in	16. Material	Aluminum
5. Rows	1	11. Spacing	3.000 in x 1 row	17. Thickness	0.010 in
6. Fins per Inch	9	12. Internal	Internal Steam Distributing (ISDT)	18. Configuration	Corrugated, Waffle with Straight Edge
7. Face Area	12.98 ft ²				
		13. Return Bends	N/A		

Single Bank, Right Hand, 1 per unit

9NS - 21 x 89 x 1 - 9 AL

Supply / Return Connections

Quantity	Supply Size	Return Size	Type	Material
2	1.500 in	1.500 in	MPT	Red Brass

303.3 Condition 1

<i>Entering</i>		<i>Leaving</i>	
1. Actual Airflow	13,800 ACFM		
2. Standard Airflow	14,166 SCFM	7. Sensible Capacity	628.9 MBH
3. Elevation	69 ft	8. Actual Face Velocity	1,063.24 ft/min
4. Entering Air DB	55.0 °F	9. Leaving Air DB	95.9 °F
5. Steam Pressure	10.0 psig	10. APD	0.53 in.H2O
6. Steam Temperature	239.0 °F	11. Condensate	659.9 lb/hr

Notes:

1. Certified in accordance with the AHRI Forced-Circulation Air-Cooling and Air-Heating Coils Certification Program which is based on AHRI Standard 410 within the Range of Standard Rating Conditions listed in Table 1 of the Standard. Certified units may be found in the AHRI Directory at www.ahridirectory.org.

303.4 Notes / Features

1. Manufacturer: Nortek Air Solutions, 5510 SW 29th Street, Oklahoma City, OK 73179
2. Customer has verified room outside the unit for proper trapping and piping so that the coil can be installed on the unit floor.
3. This coil is built with casing flanges pitched from 1.875 in. to 0.875 in.
4. This coil is built with tubes pitched toward the return end to insure proper condensate removal.
5. SCFM is corrected for Elevation and EDB.
6. Coil performance and air pressure drop may be impacted by coil placement that is not perpendicular to airflow.
7. Total operating weight is 157 lb

Project Name: Eglin AFB Bldg 1206

Sales Order #: -001

Unit Tag: AHU-1

500 Filter 1 : FILT1 : Box A

500.1 Pre / Final Size & Quantity

1. Loading	Upstream Face Load	5. Bank Size	84.188 in W x 48.000 in H
2. Frame Material	Galvanized	6. Qty / set & Frame Size 1	(6) 24 in x 24 in
3. Filter Clips	(32) C-79-5	7. Qty / set & Frame Size 2	(2) 12 in x 24 in
4. Blankoff / Rack Material	16Ga Galv	8. Qty / set & Frame Size 3	
		9. Qty / set & Frame Size 4	

500.2 Pre Filter

1. Filter Depth	2.000 in	4. Number of Sets	1
2. Efficiency	MERV 8	5. Max Face Velocity	492.86 ft/min at 13,800 ACFM
3. Manufacturer	American Air Filter	6. Model	PerfectPleat SC

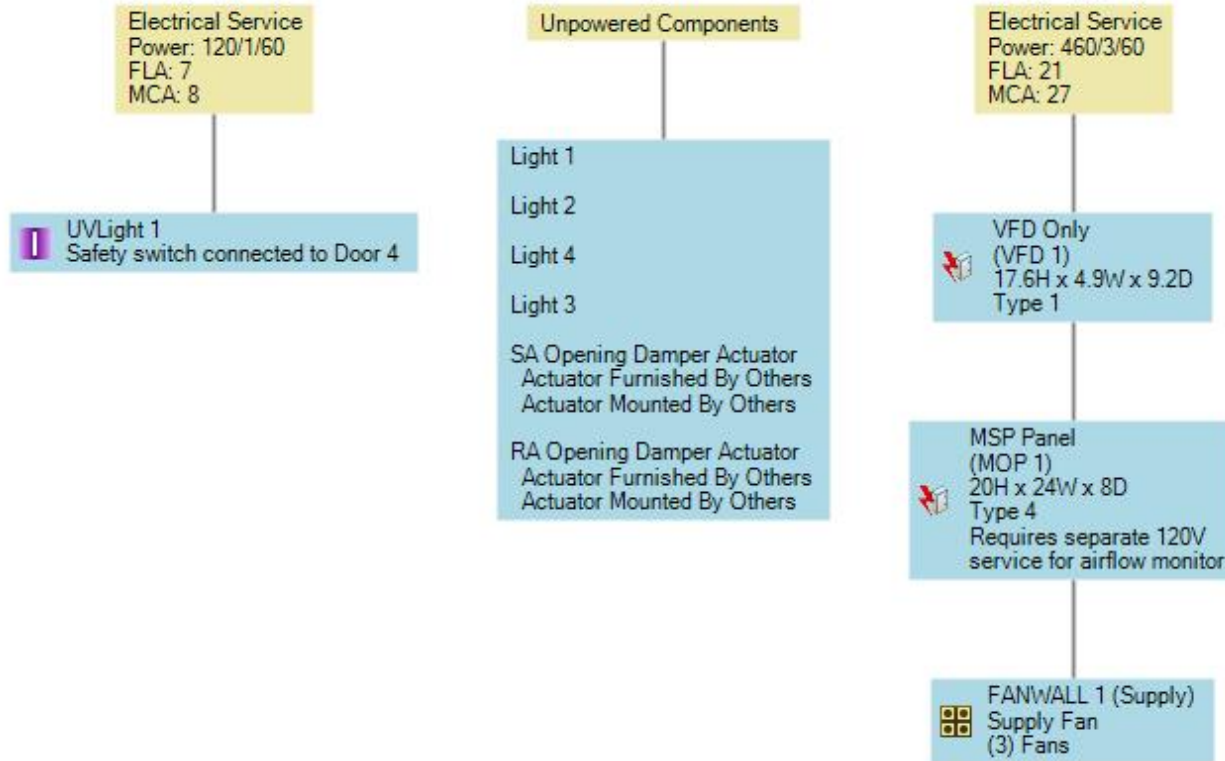
500.3 Final Filter

1. Filter Depth	4.000 in	4. Number of Sets	1
2. Efficiency	MERV 13	5. Max Face Velocity	492.86 ft/min at 13,800 ACFM
3. Manufacturer	American Air Filter	6. Model	VariCel II

500.4 Notes / Features

1. All sets of Filters and clips to ship loose inside unit, installed by others.
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700 Electrical Layout Diagram



Note: The FLA and MCA values shown are estimated, see the electrical schematics for the actual values.