

National TAB

Project: DHL CVG Hangar (Erlanger, KY)

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Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: AHU/RTU

Asset: HP-R10

AREA:LINE MAINT STORAGE

Unit Data		
	Design	Actual
MFG	NA	AAON
Serial Num	-	
Model Num	NA	RNA-008
Configuration	VERTICAL	
Num OA Filters 1	-	
OA Filter Size 1	-	
Num PreFilter 1	-	
PreFilter Size 1	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	2.0	
Motor Rpm	-	1170
Phase	3	
Rated Voltage	460	
Rated Amperage	3.4	
Service Factor	-	

Test Data		
	Design	Actual
SF CFM	2100	
SF RPM	1256	
RA CFM	1565	
OA CFM	535	
RL Voltage	460	
RL Amperage	3.4	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	-	
OA Damper Position	-	
Brake Horse Power	0.75	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	0.51	
Fan Total SP	1.44	
Cooling Coil P.D.	-	



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Project:DHL CVG Hangar (Erlanger, KY)

AHU/RTU

Diffuser Supply (GRD)

HP-R10/LINE MAINT STORAGE

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
HP-R10-SGRD1	183	SG-04	18X6	350			-
HP-R10-SGRD2	183	SG-04	18X6	350			-
HP-R10-SGRD3	183	SG-04	18X6	350			-
HP-R10-SGRD4	183	SG-04	18X6	350			-
HP-R10-SGRD5	183	SG-04	18X6	350			-
HP-R10-SGRD6	183	SG-04	18X6	350			-
Total				2100	0	0	0%

Diffuser Ret/Exh (GRD)

HP-R10/LINE MAINT STORAGE

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	183	WMS		1600					-
Total				1600		0	0	0	0%



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Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: AHU/RTU

Asset: HP-R11

AREA:CO102

Unit Data		
	Design	Actual
MFG	NA	AAON
Serial Num	-	202507-ANEL34316
Model Num	NA	RNA-015
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	22"x44.5"
Num PreFilter 1	-	4
PreFilter Size 1	-	20"x25"x2"

Motor Data		
	Design	Actual
Horsepower	5.0	5
Motor Rpm	-	1760
Phase	3	3
Rated Voltage	460	460
Rated Amperage	7.6	7.6

Test Data		
	Design	Actual
SF CFM	4920	5037
SF RPM	1676	1408
RA CFM	3920	3984
OA CFM	980	1053
RL Voltage	460	386 VFD
RL Amperage	7.6	4.49 VFD
VFD Max SetPt	-	8.0V
SF Motor Freq(HZ)	-	48HZ
OA Damper Position	-	2.9V
Brake Horse Power	3.10	3.0

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.45"
Fan Suction SP	-	-0.80"
Fan Discharge SP	-	0.18"
Total ESP	0.94	0.63"
Fan Total SP	2.50	0.98"
Cooling Coil P.D.	-	0.35"

Completed By: Gabe Merk on 01/13/2026



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Project:DHL CVG Hangar (Erlanger, KY)

AHU/RTU

Diffuser Supply (GRD)

HP-R11/CO102

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
HP-R11-SGRD1	C0102	SG-05	18X8	410	420	420	102.4
HP-R11-SGRD2	C0102	SG-05	18X8	410	434	434	105.9
HP-R11-SGRD3	C0102	SG-05	18X8	410	390	390	95.1
HP-R11-SGRD4	C0102	SG-05	18X8	410	374	374	91.2
HP-R11-SGRD5	C0102	SG-05	18X8	410	446	446	108.8
HP-R11-SGRD6	C0102	SG-05	18X8	410	410	410	100.0
HP-R11-SGRD7	C0102	SG-05	18X8	410	405	405	98.8
HP-R11-SGRD8	C0102	SG-05	18X8	410	437	437	106.6
HP-R11-SGRD9	C0102	SG-05	18X8	410	399	399	97.3
HP-R11-SGRD10	C0102	SG-05	18X8	410	424	424	103.4
HP-R11-SGRD11	C0102	SG-05	18X8	410	458	448	109.3
HP-R11-SGRD12	C0102	SG-05	18X8	410	450	450	109.8
Total				4920	5047	5037	102.38%

Diffuser Ret/Exh (GRD)

HP-R11/CO102

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
HP-R11-EGRD1	C0102	RG-06	48X20	4900					-
Total				4900		0	0	0	0%



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Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: AHU/RTU

Asset: HP-R12

AREA:C0102

Unit Data		
	Design	Actual
MFG	NA	AAON
Serial Num	-	202507-ANEL34317
Model Num	NA	RN-015
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	22"x45"
Num PreFilter 1	-	4
PreFilter Size 1	-	20"x25"x2"

Motor Data		
	Design	Actual
Horsepower	5.0	5
Motor Rpm	-	1760
Phase	3	3
Rated Voltage	460	460
Rated Amperage	7.6	7.6

Test Data		
	Design	Actual
SF CFM	4920	4894
SF RPM	1676	1416
RA CFM	3920	3878
OA CFM	980	1016
RL Voltage	460	389 VFD
RL Amperage	7.6	4.7 VFD
VFD Max SetPt	-	8.0V
SF Motor Freq(HZ)	-	48.3HZ
OA Damper Position	-	3.6V
Brake Horse Power	3.10	3.1

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.53"
Fan Suction SP	-	-0.86"
Fan Discharge SP	-	0.24"
Total ESP	0.94	0.77"
Fan Total SP	2.50	1.10"
Cooling Coil P.D.	-	0.33"

Completed By: Gabe Merk on 01/13/2026



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Project:DHL CVG Hangar (Erlanger, KY)

AHU/RTU

Diffuser Supply (GRD)

HP-R12/C0102

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
HP-R12-SGRD1	C0102	SG-05	18X8	410	5776	421	102.7
HP-R12-SGRD2	C0102	SG-05	18X8	410		425	103.7
HP-R12-SGRD3	C0102	SG-05	18X8	410		399	97.3
HP-R12-SGRD5	C0102	SG-05	18X8	410		415	101.2
HP-R12-SGRD5	C0102	SG-05	18X8	410		429	104.6
HP-R12-SGRD6	C0102	SG-05	18X8	410		418	102.0
HP-R12-SGRD7	C0102	SG-05	18X8	410		412	100.5
HP-R12-SGRD8	C0102	SG-05	18X8	410		411	100.2
HP-R12-SGRD9	C0102	SG-05	18X8	410		376	91.7
HP-R12-SGRD10	C0102	SG-05	18X8	410		389	94.9
HP-R12-SGRD11	C0102	SG-05	18X8	410		383	93.4
HP-R12-SGRD12	C0102	SG-05	18X8	410	4894	416	101.5
Total				4920	10670	4894	99.47%



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Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: AHU/RTU

Asset: HP-R13

AREA:180 PASSAGE

Unit Data		
	Design	Actual
MFG	NA	AAON
Serial Num	-	
Model Num	NA	RQA-004
Configuration	VERTICAL	
Num OA Filters 1	-	
OA Filter Size 1	-	
Num PreFilter 1	-	
PreFilter Size 1	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	2.0	
Motor Rpm	-	1760
Phase	3	
Rated Voltage	460	
Rated Amperage	3.4	
Service Factor	-	

Test Data		
	Design	Actual
SF CFM	1640	
SF RPM	1468	
RA CFM	1100	
OA CFM	540	
RL Voltage	460	
RL Amperage	3.4	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	-	
OA Damper Position	-	
Brake Horse Power	0.87	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	0.70	
Fan Total SP	1.79	
Cooling Coil P.D.	-	



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Project:DHL CVG Hangar (Erlanger, KY)

AHU/RTU

Diffuser Supply (GRD)

HP-R13/180 PASSAGE

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
HP-R13-SGRD1	182	SD-03	8	170			-
HP-R13-SGRD2	182	SD-03	8	170			-
HP-R13-SGRD3	177	LS-02	8	100			-
HP-R13-SGRD4	176	LS-02	8	100			-
HP-R13-SGRD5	180	SD-04	10	250			-
HP-R13-SGRD6	180	SD-04	10	250			-
HP-R13-SGRD7	181	SD-03	8	200			-
HP-R13-SGRD8	181	SD-03	8	200			-
HP-R13-SGRD9	181	SD-03	8	200			-
Total				1640	0	0	0%

Diffuser Ret/Exh (GRD)

HP-R13/180 PASSAGE

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
HP-R13-EGRD1	181	RD-04	12	270					-
HP-R13-EGRD2	181	RD-02	8	120					-
HP-R13-EGRD3	181	RD-04	12	600					-
Total				990		0	0	0	0%



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Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: AHU/RTU

Asset: HP-R01

AREA:180 PASSAGE

Unit Data		
	Design	Actual
MFG	NA	AAON
Serial Num	-	
Model Num	NA	RNA-010
Configuration	VERTICAL	
Num OA Filters 1	-	
OA Filter Size 1	-	
Num PreFilter 1	-	
PreFilter Size 1	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	3.0	
Motor Rpm	-	1760
Phase	3	
Rated Voltage	460	
Rated Amperage	4.8	
Service Factor	-	

Test Data		
	Design	Actual
SF CFM	2820	
SF RPM	1540	
RA CFM	2280	
OA CFM	540	
RL Voltage	460	
RL Amperage	4.8	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	-	
OA Damper Position	-	
Brake Horse Power	1.34	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	0.62	
Fan Total SP	1.88	
Cooling Coil P.D.	-	



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Project:DHL CVG Hangar (Erlanger, KY)

AHU/RTU

Diffuser Supply (GRD)

HP-R01/180 PASSAGE

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
HP-R01-SGRD1	101	SG-04	18X6	370			-
HP-R01-SGRD2	101	SG-04	18X6	370			-
HP-R01-SGRD3	101	SG-04	18X6	370			-
HP-R01-SGRD4	101	SG-04	18X6	370			-
HP-R01-SGRD5	101	SG-04	18X6	370			-
HP-R01-SGRD6	101	SG-04	18X6	370			-
HP-R01-SGRD7	102	SG-04	18X6	215			-
HP-R01-SGRD8	102	SG-04	18X6	215			-
HP-R01-SGRD9	102		8	170			-
Total				2820	0	0	0%

Diffuser Ret/Exh (GRD)

HP-R01/180 PASSAGE

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
HP-R01-EGRD1	101	RG-02	12X12	480					-
HP-R01-EGRD2	101	RG-04	24X20	1790					-
Total				2270		0	0	0	0%



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Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: AHU/RTU

Asset: HP-R02

AREA:103

Unit Data		
	Design	Actual
MFG	NA	AAON
Serial Num	-	
Model Num	NA	RQA-003
Configuration	VERTICAL	
Num OA Filters 1	-	
OA Filter Size 1	-	
Num PreFilter 1	-	
PreFilter Size 1	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	1.0	
Motor Rpm	-	1760
Phase	3	
Rated Voltage	460	
Rated Amperage	3.5	
Service Factor	-	

Test Data		
	Design	Actual
SF CFM	1050	
SF RPM	1186	
RA CFM	960	
OA CFM	321	
RL Voltage	460	
RL Amperage	3.5	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	-	
OA Damper Position	-	
Brake Horse Power	0.45	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	0.53	
Fan Total SP	1.33	
Cooling Coil P.D.	-	



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Project:DHL CVG Hangar (Erlanger, KY)

AHU/RTU

Diffuser Supply (GRD)

HP-R02/103

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
HP-R02-SGRD1	105	SD-03	8	130			-
HP-R02-SGRD2	105	LS-01	6	100			-
HP-R02-SGRD3	105	LS-01	6	100			-
HP-R02-SGRD5	105	SD-03	8	130			-
HP-R02-SGRD5	105	SG-01	8X8	150			-
HP-R02-SGRD6	104	SD-04	10	220			-
HP-R02-SGRD7	103	SD-04	10	220			-
Total				1050	0	0	0%

Diffuser Ret/Exh (GRD)

HP-R02/103

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
HP-R02-EGRD1	105	RD-03	24X16	150					-
HP-R02-EGRD2	104	RD-03	24X16	200					-
HP-R02-EGRD3	104	RG-01	8X8	150					-
HP-R02-EGRD4	103	RD-03	24X16	200					-
Total				700		0	0	0	0%



National TAB

Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: AHU/RTU

Asset: HP-R03

AREA: WARMING KITCHEN

Unit Data		
	Design	Actual
MFG	NA	AAON
Serial Num	-	202507-BNET34325
Model Num	NA	RQA-002
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	24"x49"
Num PreFilter 1	-	6 / 6 / 6
PreFilter Size 1	-	16"x20"x2" / 20"x25"x2" / 20"x25"x4"

Motor Data		
	Design	Actual
Horsepower	1.0	1.0
Motor Rpm	-	1760
Phase	3	1
Rated Voltage	460	460
Rated Amperage	3.5	3.5

Test Data		
	Design	Actual
SF CFM	550	561
RA CFM	460	474
OA CFM	90	87
RL Voltage	230	485
RL Amperage	7.0	0.1
VFD Max SetPt	-	2.1V
OA Damper Position	-	2.8V

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.20"
Fan Suction SP	-	-0.29"
Fan Discharge SP	-	0.29"
Total ESP	0.60	0.49"
Fan Total SP	1.20	0.58"
Cooling Coil P.D.	-	0.09"

Completed By: Gabe Merk on 01/13/2026

Notes:
2.4V SF setpoint

Written By: Gabe Merk on 01/13/2026



National TAB

Project:DHL CVG Hangar (Erlanger, KY)

AHU/RTU

Diffuser Supply (GRD)

HP-R03/WARMING KITCHEN

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
HP-R03-SGRD1	147	SD-06	10	275	315	273	99.3
HP-R03-SGRD2	147	SD-06	10	275	365	288	104.7
Total				550	680	561	102%



National TAB

Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: AHU/RTU

Asset: HP-R04

AREA:SHEET METAL SHOP

Unit Data		
	Design	Actual
MFG	NA	AAON
Serial Num	-	202507-BNER34323
Model Num	NA	RNA-025
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	28.5"x52"
Num PreFilter 1	-	6
PreFilter Size 1	-	20"x25"x2"

Motor Data		
	Design	Actual
Horsepower	7.5	7.5
Motor Rpm	-	1170
Phase	3	3
Rated Voltage	460	460
Rated Amperage	11.0	11.0

Test Data		
	Design	Actual
SF CFM	6800	6667
SF RPM	1066	915
RA CFM	4717	4555
OA CFM	2083	2112
RL Voltage	460	371.8 VFD
RL Amperage	11.0	8.1 VFD
VFD Max SetPt	-	8.2V
SF Motor Freq(HZ)	-	46.9HZ
OA Damper Position	-	4.0V
Brake Horse Power	3.82	5.6

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.30"
Fan Suction SP	-	-0.68"
Fan Discharge SP	-	0.40"
Total ESP	0.93	0.70"
Fan Total SP	2.11	1.08"
Cooling Coil P.D.	-	0.38"

Completed By: Gabe Merk on 01/13/2026



National TAB

Project:DHL CVG Hangar (Erlanger, KY)

AHU/RTU

Diffuser Supply (GRD)

HP-R04/SHEET METAL SHOP

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
HP-R04-SGRD1	150	SG-03	12X6	340	345	315	92.6
HP-R04-SGRD2	150	SG-03	12X6	340	366	326	95.9
HP-R04-SGRD3	150	SG-03	12X6	340	362	343	100.9
HP-R04-SGRD4	150	SG-03	12X6	340	362	327	96.2
HP-R04-SGRD5	150	SG-03	12X6	340	326	309	90.9
HP-R04-SGRD6	150	SG-03	12X6	340	327	315	92.6
HP-R04-SGRD7	150	SG-03	12X6	340	381	352	103.5
HP-R04-SGRD8	150	SG-03	12X6	340	356	335	98.5
HP-R04-SGRD9	150	SG-03	12X6	340	435	360	105.9
HP-R04-SGRD10	150	SG-03	12X6	340	411	357	105.0
HP-R04-SGRD11	150	SG-03	12X6	340	419	351	103.2
HP-R04-SGRD12	150	SG-03	12X6	340	427	341	100.3
HP-R04-SGRD13	150	SG-03	12X6	340	365	323	95.0
HP-R04-SGRD14	150	SG-03	12X6	340	293	310	91.2
HP-R04-SGRD15	150	SG-03	12X6	340	411	348	102.4
HP-R04-SGRD16	150	SG-03	12X6	340	445	339	99.7

HP-R04/SHEET METAL SHOP

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
HP-R04-SGRD17	150	SG-03	12X6	340	377	321	94.4
HP-R04-SGRD18	150	SG-03	12X6	340	386	330	97.1
HP-R04-SGRD19	150	SG-03	12X6	340	401	350	102.9
HP-R04-SGRD20	150	SG-03	12X6	340	395	315	92.6
Total				6800	7590	6667	98.04%



National TAB

Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: AHU/RTU

Asset: HP-R05

AREA:152

Unit Data		
	Design	Actual
MFG	NA	AAON
Serial Num	-	202507-ANEK34313
Model Num	NA	RNA-013
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	22"x44.5"
Num PreFilter 1	-	4
PreFilter Size 1	-	20"x25"x2"

Motor Data		
	Design	Actual
Horsepower	5.0	5
Motor Rpm	-	1760
Phase	3	3
Rated Voltage	460	460
Rated Amperage	7.6	7.6

Test Data		
	Design	Actual
SF CFM	4020	4004
SF RPM	1412	1232
RA CFM	4020	4004
OA CFM	0	0
RL Voltage	460	338 VFD
RL Amperage	7.6	4.27 VFD
VFD Max SetPt	-	8.3V
SF Motor Freq(HZ)	-	41.97HZ
OA Damper Position	-	0 V
Brake Horse Power	1.88	2.8

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.52"
Fan Suction SP	-	-0.79"
Fan Discharge SP	-	0.19"
Total ESP	0.64	0.71"
Fan Total SP	1.90	0.98"
Cooling Coil P.D.	-	0.27"

Completed By: Gabe Merk on 01/13/2026



National TAB

Project:DHL CVG Hangar (Erlanger, KY)

AHU/RTU

Diffuser Supply (GRD)

HP-R05/152

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
HP-R05-SGRD1	150	SG-05	18X8	670	4586	649	96.9
HP-R05-SGRD2	150	SG-05	18X8	670		672	100.3
HP-R05-SGRD3	150	SG-05	18X8	670		656	97.9
HP-R05-SGRD4	150	SG-05	18X8	670		650	97.0
HP-R05-SGRD5	150	SG-05	18X8	670		695	103.7
HP-R05-SGRD6	150	SG-05	18X8	670		682	101.8
Total				4020	4586	4004	99.6%



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Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: AHU/RTU

Asset: HP-R06

AREA:152

Unit Data		
	Design	Actual
MFG	NA	AAON
Serial Num	-	202507-ANEK34314
Model Num	NA	RNA-013
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	22"x44.5"
Num PreFilter 1	-	4
PreFilter Size 1	-	20"x25"x2"

Motor Data		
	Design	Actual
Horsepower	5.0	5
Motor Rpm	-	1760
Phase	3	3
Rated Voltage	460	460
Rated Amperage	7.6	7.6

Test Data		
	Design	Actual
SF CFM	4000	4047
SF RPM	1409	1224
RA CFM	4000	4047
OA CFM	0	0
RL Voltage	460	336VFD
RL Amperage	7.6	4.2 VFD
VFD Max SetPt	-	8.3V
SF Motor Freq(HZ)	-	41.75 HZ
OA Damper Position	-	0V
Brake Horse Power	1.87	2.76

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.47"
Fan Suction SP	-	-0.74"
Fan Discharge SP	-	0.24"
Total ESP	0.64	0.71"
Fan Total SP	1.89	0.98"
Cooling Coil P.D.	-	0.27"

Completed By: Gabe Merk on 01/13/2026

Notes:
MAX FLOW @8.3V

Written By: Gabe Merk on 12/12/2025



National TAB

Project:DHL CVG Hangar (Erlanger, KY)

AHU/RTU

Diffuser Supply (GRD)

HP-R06/152

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
HP-R06-SGRD1	150	SD-07	12	500	637	537	107.4
HP-R06-SGRD2	150	SD-07	12	500	2728	518	103.6
HP-R06-SGRD3	150	SD-07	12	500		532	106.4
HP-R06-SGRD4	150	SD-07	12	500		499	99.8
HP-R06-SGRD5	150	SD-07	12	500		516	103.2
HP-R06-SGRD6	150	SG-03	12x6	250	1242	239	95.6
HP-R06-SGRD7	150	SG-03	12x6	250		229	91.6
HP-R06-SGRD8	150	SG-03	12x6	250		245	98.0
HP-R06-SGRD9	150	SG-03	12x6	250		252	100.8
HP-R06-SGRD10	150	SG-03	12x6	250		237	94.8
HP-R06-SGRD11	150	SG-03	12x6	250		243	97.2
Total				4000	4607	4047	101.18%



National TAB

Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: AHU/RTU

Asset: HP-R07

AREA:ENGINE SHOP

Unit Data		
	Design	Actual
MFG	NA	AAON
Serial Num	-	202507-ANEL34315
Model Num	NA	RNA-015
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	22"x44.5"
Num PreFilter 1	-	4
PreFilter Size 1	-	20"x25"x2"

Motor Data		
	Design	Actual
Horsepower	5.0	5
Motor Rpm	-	1760
Phase	3	3
Rated Voltage	460	460
Rated Amperage	7.6	7.6

Test Data		
	Design	Actual
SF CFM	5520	5514
SF RPM	1810	1642
RA CFM	3805	3722
OA CFM	1715	1792
RL Voltage	460	437VFD
RL Amperage	7.6	4.9VFD
VFD Max SetPt	-	8.7V
SF Motor Freq(HZ)	-	56HZ
OA Damper Position	-	3.6V
Brake Horse Power	3.78	3.2

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.47"
Fan Suction SP	-	-0.85"
Fan Discharge SP	-	0.46"
Total ESP	0.69	0.93"
Fan Total SP	2.48	1.31"
Cooling Coil P.D.	-	0.38"

Completed By: Gabe Merk on 01/13/2026



National TAB
Project:DHL CVG Hangar (Erlanger, KY)
AHU/RTU

Diffuser Supply (GRD)

HP-R07/ENGINE SHOP

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
HP-R07-SGRD1	153	SG-09	30x6	1120	5908	1098	98.0
HP-R07-SGRD2	153	SG-09	30x6	1100		1132	102.9
HP-R07-SGRD3	153	SG-09	30x6	1100		1171	106.5
HP-R07-SGRD4	153	SG-09	30x6	1100		1040	94.5
HP-R07-SGRD5	153	SG-09	30x6	1100		1073	97.5
Total				5520	5908	5514	99.89%



National TAB

Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: AHU/RTU

Asset: HP-R08

AREA:TOOL RM

Unit Data		
	Design	Actual
MFG	NA	AAON
Serial Num	-	202507-BNEP34324
Model Num	NA	RNA-020
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	29"x52"
Num PreFilter 1	-	6
PreFilter Size 1	-	20"x25"x2"

Motor Data		
	Design	Actual
Horsepower	7.5	7.5
Motor Rpm	-	1160
Phase	3	3
Rated Voltage	460	460
Rated Amperage	11.0	11

Test Data		
	Design	Actual
SF CFM	5960	5953
SF RPM	1188	965
RA CFM	4880	4821
OA CFM	1080	1132
RL Voltage	460	385VFD
RL Amperage	11.0	7.8VFD
VFD Max SetPt	-	7.7V
SF Motor Freq(HZ)	-	49.5HZ
OA Damper Position	-	3.0VDC
Brake Horse Power	4.80	5.3

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.59"
Fan Suction SP	-	-0.96"
Fan Discharge SP	-	0.30"
Total ESP	1.49	0.89"
Fan Total SP	2.55	1.26"
Cooling Coil P.D.	-	0.37"

Completed By: Gabe Merk on 01/13/2026



National TAB

Project:DHL CVG Hangar (Erlanger, KY)

AHU/RTU

Diffuser Supply (GRD)

HP-R08/TOOL RM

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
HP-R08-SGRD1	154	SG-03	12x6	290	7336	279	96.2
HP-R08-SGRD2	154	SG-03	12x6	270		282	104.4
HP-R08-SGRD3	154	SG-03	12x6	270		276	102.2
HP-R08-SGRD4	154	SG-03	12x6	270		290	107.4
HP-R08-SGRD5	154	SG-03	12x6	270		295	109.3
HP-R08-SGRD6	154	SG-03	12x6	270		264	97.8
HP-R08-SGRD7	154	SG-03	12x6	270		258	95.6
HP-R08-SGRD8	154	SG-03	12x6	270		272	100.7
HP-R08-SGRD9	154	SG-03	12x6	270		277	102.6
HP-R08-SGRD10	154	SG-03	12x6	270		283	104.8
HP-R08-SGRD11	154	SG-03	12x6	270		287	106.3
HP-R08-SGRD12	154	SG-03	12x6	270		269	99.6
HP-R08-SGRD13	154	SG-03	12x6	270		261	96.7
HP-R08-SGRD14	154	SG-03	12x6	270		261	96.7
HP-R08-SGRD15	154	SG-03	12x6	270		259	95.9
HP-R08-SGRD16	154	SG-03	12x6	270		248	91.9
HP-R08-SGRD17	154	SG-03	12x6	270		256	94.8
HP-R08-SGRD18	154	SG-03	12x6	270		274	101.5
HP-R08-SGRD19	154	SG-03	12x6	270		280	103.7
HP-R08-SGRD20	154	SG-03	12x6	270		259	95.9
HP-R08-SGRD21	154	SG-03	12x6	270		263	97.4
HP-R08-SGRD22	154	SG-03	12x6	270		260	96.3
Total				5960	7336	5953	99.88%



National TAB

Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: AHU/RTU

Asset: HP-R09

AREA:PARTS WASH

Unit Data		
	Design	Actual
MFG	NA	AAON
Serial Num	-	
Model Num	NA	RQA-004
Configuration	VERTICAL	
Num OA Filters 1	-	
OA Filter Size 1	-	
Num PreFilter 1	-	
PreFilter Size 1	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	1.0	
Motor Rpm	-	1760
Phase	3	
Rated Voltage	460	
Rated Amperage	3.5	
Service Factor	-	

Test Data		
	Design	Actual
SF CFM	960	
SF RPM	1272	
RA CFM	530	
OA CFM	430	
RL Voltage	460	
RL Amperage	3.5	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	-	
OA Damper Position	-	
Brake Horse Power	0.34	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	0.48	
Fan Total SP	1.15	
Cooling Coil P.D.	-	



National TAB

Project:DHL CVG Hangar (Erlanger, KY)

AHU/RTU

Diffuser Supply (GRD)

HP-R09/PARTS WASH

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
HP-R09-SGRD1	173	SG-03	12X6	240			-
HP-R09-SGRD2	173	SG-03	12X6	240			-
HP-R09-SGRD3	173	SG-03	12X6	240			-
HP-R09-SGRD4	173	SG-03	12X6	240			-
Total				960	0	0	0%

Diffuser Ret/Exh (GRD)

HP-R09/PARTS WASH

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
HP-R09-EGRD1	173	RG-03	24X16	750					-
Total				750		0	0	0	0%



National TAB

Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: AHU-DUAL FAN

Asset: HRHP-R10

AREA:

UNIT DATA - SUPPLY

	Design	Actual
Manufacturer	NA	AAON
Model Number	NA	RNA-007
Serial Number	-	202508- ANEG34321
No. Pre-Filters / Size (1)	-	2 / 14"x25"x2"
No. Pre-Filters / Size (2)	-	4 / 16"x20"x2"
No. Pre-Filters / Size (3)	-	4 / 16"x20"x4"

MOTOR DATA - SUPPLY

	Actual
Motor MFG / Frame	INACCESSIBLE / INACCESSIBLE
Horsepower / RPM	5.0 / 1760
Rated Volts / Phase	3 / 460
Rated Amperage / SF	7.6 / INACCESSIBLE

TEST DATA - SUPPLY

	Design	Actual
Total CFM	3000	2884
OA CFM	400	423@2.5V
Fan RPM	1875	1739
VFD Speed	-	59.3HZ
RL Voltage	460	426
RL Amperage	7.6	3.6
Motor B.H.P.	2.50	2.4

PERFORMANCE DATA - SUPPLY

	Design	Actual
Static Pressure Stpt	-	0.8"
Suction S.P.	-	-1.63"
Discharge S.P.	-	0.93"
Total S.P.	3.31	2.56
DX Coil P.D.	-	1.05"*
Pre Heat Coil P.D.	-	0.02"
Pre-Filters P.D.	-	0.02"
Total ESP	2.00	1.56"

Completed By: Gabe Merk on 02/06/2026



National TAB

Project:DHL CVG Hangar (Erlanger, KY)

AHU-DUAL FAN

VAV - Single Duct

HRHP-R10/

Asset											
Asset Name	MFG	Model Num	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
VAV-243	TITUS	SDV	REHEAT	8	480	473	150	153	150	153	1097
VAV-244	TITUS	SDV	REHEAT	8	480	485	150	149	150	149	1007
VAV-245	TITUS	SDV	REHEAT	8	480	492	150	153	150	153	1077
VAV-246	TITUS	SDV	REHEAT	8	480	484	150	148	150	148	1020
VAV-247	TITUS	SDV	REHEAT	8	480	502	150	146	150	146	1010
VAV-248	TITUS	SDV	REHEAT	8	560	576	170	167	170	167	1050

Diffuser Supply (GRD)

VAV-243/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	264 OFFICE	SD-03	8	160	199	153	95.6
SGRD2	263 OFFICE	SD-03	8	160	218	153	95.6
SGRD3	262 OFFICE	SD-03	8	160	218	167	104.4
Total				480	635	473	98.54%

VAV-244/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	265 OFFICE	SD-03	8	160	218	162	101.3
SGRD2	266 OFFICE	SD-03	8	160	189	159	99.4
SGRD3	267 OFFICE	SD-03	8	160	190	164	102.5
Total				480	597	485	101.04%

VAV-245/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	268 OFFICE	SD-03	8	160	206	170	106.3
SGRD2	269 OFFICE	SD-03	8	160	173	156	97.5
SGRD3	270 OFFICE	SD-03	8	160	207	166	103.8
Total				480	586	492	102.5%

VAV-246/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	272	SD-03	8	160	195	162	101.3
SGRD2	273	SD-03	8	160	205	169	105.6
SGRD3	274	SD-03	8	160	179	153	95.6
Total				480	579	484	100.83%

VAV-247/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	275 OFFICE	SD-03	8	160	204	172	107.5
SGRD2	276 OFFICE	SD-03	8	160	213	174	108.8
SGRD3	277 OFFICE	SD-03	8	160	169	156	97.5
Total				480	586	502	104.58%

VAV-248/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	278 OFFICE	SD-03	8	160	146	162	101.3
SGRD2	279 OFFICE	SD-03	8	160	147	170	106.3
SGRD3	271 OFFICE	SD-03	8	120	136	119	99.2
SGRD4	271 OFFICE	SD-03	8	120	158	125	104.2
Total				560	587	576	102.86%



National TAB

Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: AHU-DUAL FAN

Asset: HRHP-R01

AREA:143 BREAK RM

UNIT DATA - SUPPLY

	Design	Actual
Manufacturer	NA	AAON
Model Number	NA	RNA-010
Serial Number	-	202508-ANEJ34319
No. Pre-Filters / Size (1)	-	2-14"x25"x2"
No. Pre-Filters / Size (2)	-	4-16"x20"x2"
No. Pre-Filters / Size (3)	-	4-16"x20"x4"

MOTOR DATA - SUPPLY

	Actual
Motor MFG / Frame	NL / NL
Horsepower / RPM	5.0 / 1760
Rated Volts / Phase	460 / 3
Rated Amperage / SF	7.6 / NL

TEST DATA - SUPPLY

	Design	Actual
Total CFM	3180	3182
OA CFM	690	721
Fan RPM	1885	1701
VFD Speed	-	58Hz
RL Voltage	460	432 VFD
RL Amperage	7.6	4.1VFD
Motor B.H.P.	2.55	2.7

PERFORMANCE DATA - SUPPLY

	Design	Actual
Suction S.P.	-	-1.71"
Discharge S.P.	-	0.68"
Total S.P.	3.20	2.39"
DX Coil P.D.	-	0.90"
Heat Wheel P.D.	-	0.45"
Pre-Filters P.D.	-	0.03
Total ESP	1.61	0.72"

Completed By: Gabe Merk on 01/13/2026

Notes:

Sf setpoint 8.6V

Oa setpoint 3.3V

Written By: Gabe Merk on 01/13/2026



National TAB

Project:DHL CVG Hangar (Erlanger, KY)

AHU-DUAL FAN

Diffuser Supply (GRD)

HRHP-R01/143 BREAK RM

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
HRHP-R01-SGRD1	148 BREAK RM	SD	8	170	191	162	95.3
HRHP-R01-SGRD2	148 BREAK RM	SD	8	170	183	167	98.2
HRHP-R01-SGRD3	148 BREAK RM	SD	8	170	199	185	108.8
HRHP-R01-SGRD5	148 BREAK RM	SD	8	170	183	162	95.3
HRHP-R01-SGRD5	148 BREAK RM	SD	8	170	190	173	101.8
HRHP-R01-SGRD6	148 BREAK RM	SD	8	170	204	178	104.7
HRHP-R01-SGRD7	148 BREAK RM	SD	8	170	188	173	101.8
HRHP-R01-SGRD8	148 BREAK RM	SD	8	170	177	168	98.8
HRHP-R01-SGRD9	148 BREAK RM	SD	8	170	194	174	102.4
HRHP-R01-SGRD10	148 BREAK RM	SD-03	8	170	178	161	94.7
HRHP-R01-SGRD11	148 BREAK RM	SD-03	8	170	195	180	105.9
HRHP-R01-SGRD12	148 BREAK RM	SD-03	8	170	190	177	104.1
HRHP-R01-SGRD13	148 BREAK RM	SD-03	8	170	207	177	104.1
HRHP-R01-SGRD14	148 BREAK RM	SD-03	8	170	164	154	90.6
HRHP-R01-SGRD15	148 BREAK RM	SD-03	8	170	187	174	102.4
HRHP-R01-SGRD16	148 BREAK RM	SD-03	8	170	178	167	98.2
HRHP-R01-SGRD17	148 BREAK RM	SD-03	8	170	182	156	91.8
HRHP-R01-SGRD18	148 BREAK RM	SD-03	8	170	187	163	95.9
HRHP-R01-SGRD19	148 HALL	SD-03	8	120	146	131	109.2
Total				3180	3523	3182	100.06%



National TAB

Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: AHU-DUAL FAN

Asset: HRHP-R02

AREA:

UNIT DATA - SUPPLY

	Design	Actual
Manufacturer	NA	AAON
Model Number	NA	RNA-008
Serial Number	-	202508- ANEH34320
No. Pre-Filters / Size (1)	-	2-14"x25"x2"
No. Pre-Filters / Size (2)	-	4-16"x20"x2"
No. Pre-Filters / Size (3)	-	4-16"x20"x4"

MOTOR DATA - SUPPLY

	Actual
Motor MFG / Frame	NL / NL
Horsepower / RPM	3.0 / 1760
Rated Volts / Phase	460 / 3
Rated Amperage / SF	4.8 / NL

TEST DATA - SUPPLY

	Design	Actual
Total CFM	2440	2493
OA CFM	1040	1067
Fan RPM	1856	1643
VFD Speed	-	56Hz
RL Voltage	460	456 VFD
RL Amperage	4.8	2.9 VFD
Motor B.H.P.	1.61	1.8

PERFORMANCE DATA - SUPPLY

	Design	Actual
Suction S.P.	-	-1.36"
Discharge S.P.	-	0.77"
Total S.P.	2.47	2.13
DX Coil P.D.	-	0.76"
Heat Wheel P.D.	-	0.22"
Pre-Filters P.D.	-	0.03"
Total ESP	0.90	0.80"

Completed By: Gabe Merk on 01/13/2026

Notes:

Sf setpoint 8.1 V

Oa setpoint 3.7V

Written By: Gabe Merk on 01/13/2026



National TAB

Project:DHL CVG Hangar (Erlanger, KY)

AHU-DUAL FAN

Diffuser Supply (GRD)

HRHP-R02/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	145 CHANGING	SD-03	8	160	27	167	104.4
SGRD2	145 CHANGING	SD-03	8	160	245	150	93.8
SGRD3	145 CHANGING	SD-03	8	160	234	168	105.0
SGRD4	145 CHANGING	SD-03	8	160	228	159	99.4
SGRD5	149 WOMEN RR	LS-01	6	50	53	46	92.0
SGRD6	149 WOMEN RR	LS-01	6	50	59	52	104.0
SGRD7	144 MENS RR	LS-01	6	50	60	51	102.0
SGRD8	144 MENS RR	LS-01	6	50	57	48	96.0
SGRD9	145 CHANGING	SD-03	8	160	150	167	104.4
SGRD10	145 CHANGING	SD-03	8	160	244	163	101.9
SGRD11	145 CHANGING	SD-03	8	160	246	172	107.5
SGRD12	145 CHANGING	SD-03	8	160	101	172	107.5
SGRD13	145 CHANGING	SD-03	8	160	27	164	102.5
SGRD14	145 CHANGING	SD-03	8	160	239	156	97.5
SGRD15	145 CHANGING	SD-03	8	160	245	166	103.8
SGRD16	145 CHANGING	SD-03	8	160	239	166	103.8
SGRD17	145 CHANGING	SD-03	8	160	221	163	101.9
SGRD18	145 CHANGING	SD-03	8	160	199	163	101.9
Total				2440	2874	2493	102.17%



National TAB

Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: AHU-DUAL FAN

Asset: HRHP-R03

AREA:

UNIT DATA - SUPPLY

	Design	Actual
Manufacturer	NA	AAON
Model Number	NA	RN-030
Serial Number	-	202507-BNET34325
No. Pre-Filters / Size (1)	-	6 / 16"x20"x2"
No. Pre-Filters / Size (2)	-	6 / 20"x25"x2"
No. Pre-Filters / Size (3)	-	6 / 20"x25"x4"

MOTOR DATA - SUPPLY

	Actual
Motor MFG / Frame	NL / NL
Horsepower / RPM	15.0 / 1760
Rated Volts / Phase	460 / 3
Rated Amperage / SF	21.0 / NL

TEST DATA - SUPPLY

	Design	Actual
Total CFM	10770	11073
OA CFM	2850	2873@4.3DCV
Fan RPM	1505	1554
VFD Speed	-	53HZ@10.0VDC
RL Voltage	460	482VFD
RL Amperage	21.0	15.9VFD
Motor B.H.P.	10.72	11.4

PERFORMANCE DATA - SUPPLY

	Design	Actual
Suction S.P.	-	-3.03"
Discharge S.P.	-	0.60"
Total S.P.	3.63	3.63"
DX Coil P.D.	-	1.82"*
Pre Heat Coil P.D.	-	INACCESSIBLE
Heat Wheel P.D.	-	0.27"
Pre-Filters P.D.	-	*COMBINED
Total ESP	1.28	0.67"

Completed By: Gabe Merk on 01/13/2026



National TAB

Project:DHL CVG Hangar (Erlanger, KY)

AHU-DUAL FAN

Diffuser Supply (GRD)

HRHP-R03/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	154 TOOL ROOM	SG-06	18X10	780	11325	765	98.1
SGRD2	154 TOOL ROOM	SG-06	18X10	730		745	102.1
SGRD3	154 TOOL ROOM	SG-06	18X10	730		741	101.5
SGRD5	154 TOOL ROOM	SG-06	18X10	730		746	102.2
SGRD5	154 TOOL ROOM	SG-06	18X10	730		746	102.2
SGRD6	154 TOOL ROOM	SG-06	18X10	730		767	105.1
SGRD7	154 TOOL ROOM	SG-06	18X10	730		752	103.0
SGRD8	154 TOOL ROOM	SG-06	18X10	730		759	104.0
SGRD9	154 TOOL ROOM	SG-06	18X10	500		543	108.6
SGRD10	154 TOOL ROOM	SG-06	18X10	730		737	101.0
SGRD11	154 TOOL ROOM	SG-06	18X10	730		739	101.2
SGRD12	154 TOOL ROOM	SG-06	18X10	730		743	101.8
SGRD13	154 TOOL ROOM	SG-06	18X10	730		750	102.7
SGRD14	154 TOOL ROOM	SG-06	18X10	730		763	104.5
SGRD15	154 TOOL ROOM	SG-06	18X10	730		777	106.4
Total				10770	11325	11073	102.81%



National TAB

Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: AHU-DUAL FAN

Asset: HRHP-R04

AREA:152 STORES

UNIT DATA - SUPPLY

	Design	Actual
Manufacturer	NA	AAON
Model Number	NA	RNA-030
Serial Number	-	202507-BNET34326
No. Pre-Filters / Size (1)	-	6 / 16"x20"x2"
No. Pre-Filters / Size (2)	-	6 / 20"x25"x2"
No. Pre-Filters / Size (3)	-	6 / 20"x25"x4"

MOTOR DATA - SUPPLY

	Actual
Motor MFG / Frame	NL / NL
Horsepower / RPM	15.0 / 1760
Rated Volts / Phase	460 / 3
Rated Amperage / SF	21.0 / NL

TEST DATA - SUPPLY

	Design	Actual
Total CFM	11000	10846
OA CFM	3400	3279
Fan RPM	1504	1437
VFD Speed	-	49HZ
RL Voltage	460	397 VFD
RL Amperage	21.0	13.8 VFD
Motor B.H.P.	10.69	9.9

PERFORMANCE DATA - SUPPLY

	Design	Actual
Suction S.P.	-	-2.50"
Discharge S.P.	-	0.20"
Total S.P.	3.62	2.70"
DX Coil P.D.	-	1.35"
Heat Wheel P.D.	-	0.21"
Total ESP	1.28	0.29"

Completed By: Gabe Merk on 01/13/2026

Notes:
OA @4.2V

Written By: Gabe Merk on 01/13/2026



National TAB

Project:DHL CVG Hangar (Erlanger, KY)

AHU-DUAL FAN

Diffuser Supply (GRD)

HRHP-R04/152 STORES

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	152 STORES	SD-08	18	1375	11688	1377	100.1
SGRD2	152 STORES	SD-08	18	1375		1423	103.5
SGRD3	152 STORES	SD-08	18	1375		1305	94.9
SGRD4	152 STORES	SD-08	18	1375		1296	94.3
SGRD5	152 STORES	SD-08	18	1375		1365	99.3
SGRD6	152 STORES	SD-08	18	1375		1321	96.1
SGRD7	152 STORES	SD-08	18	1375		1390	101.1
SGRD8	152 STORES	SD-08	18	1375		1369	99.6
Total				11000	11688	10846	98.6%



National TAB

Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: AHU-DUAL FAN

Asset: HRHP-R05

AREA:

UNIT DATA - SUPPLY

	Design	Actual
Manufacturer	NA	AAON
Model Number	NA	RNA-030
Serial Number	-	202507-BNET34327
No. Pre-Filters / Size (1)	-	6 / 16"x20"x2"
No. Pre-Filters / Size (2)	-	6 / 25"x20"x2"
No. Pre-Filters / Size (3)	-	6 / 20"x25"x4"

MOTOR DATA - SUPPLY

	Actual
Motor MFG / Frame	NL / NL
Horsepower / RPM	15.0 / 1760
Rated Volts / Phase	460 / 3
Rated Amperage / SF	21.0 / NL

TEST DATA - SUPPLY

	Design	Actual
Total CFM	9520	9923
OA CFM	2800	2695
Fan RPM	-	1408
VFD Speed	-	48HZ@8.2V
RL Voltage	460	389VFD
RL Amperage	21.0	13.4VFD
Motor B.H.P.	9.21	9.6

PERFORMANCE DATA - SUPPLY

	Design	Actual
Suction S.P.	-	-2.25"
Discharge S.P.	-	0.45"
Total S.P.	3.45	2.70"
DX Coil P.D.	-	1.29"
Heat Wheel P.D.	-	2.27"
Pre-Filters P.D.	-	0.03"
Total ESP	1.28	0.59"

Completed By: Gabe Merk on 01/13/2026

Notes:

Oa damper@4.4V

Written By: Gabe Merk on 01/13/2026



National TAB

Project:DHL CVG Hangar (Erlanger, KY)

AHU-DUAL FAN

Diffuser Supply (GRD)

HRHP-R05/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	152 STORES	SD-08	18	1360	11536	1453	106.8
SGRD2	152 STORES	SD-08	18	1360		1424	104.7
SGRD3	152 STORES	SD-08	18	1360		1365	100.4
SGRD4	152 STORES	SD-08	18	1360		1421	104.5
SGRD5	152 STORES	SD-08	18	1360		1336	98.2
SGRD6	152 STORES	SD-08	18	1360		1432	105.3
SGRD7	152 STORES	SD-08	18	1360	9923	1492	109.7
Total				9520	21459	9923	104.23%



National TAB

Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: AHU-DUAL FAN

Asset: HRHP-R06

AREA:

UNIT DATA - SUPPLY		
	Design	Actual
Manufacturer	NA	AAON
Model Number	NA	RNA-031
Serial Number	-	202507-BNEU34335
No. Pre-Filters / Size (1)	-	8/18"x24"x2"
No. Pre-Filters / Size (2)	-	8/24"x24"x2"
No. Pre-Filters / Size (3)	-	8/24"x24"x4"

MOTOR DATA - SUPPLY	
	Actual
Motor MFG / Frame	INACCESSIBLE / INACCESSIBLE
Horsepower / RPM	2@20.0 / 1760
Rated Volts / Phase	3 / 460
Rated Amperage / SF	2@27.0 / INACCESSIBLE

TEST DATA - SUPPLY		
	Design	Actual
Total CFM	12000	
OA CFM	3850	
Fan RPM	1422	
VFD Speed	-	
RL Voltage	460	
RL Amperage	27	
Motor B.H.P.	12.56	

PERFORMANCE DATA - SUPPLY		
	Design	Actual
Static Pressure Stpt	-	
Suction S.P.	-	
Discharge S.P.	-	
Total S.P.	3.99	
Reheat Coil P.D.	-	
DX Coil P.D.	-	
Condenser Coil P.D.	-	
Chilled Water Coil P.D.	-	
Pre Heat Coil P.D.	-	
Final Filters P.D.	-	
Heat Wheel P.D.	-	
Pre-Filters P.D.	-	
Air Blender P.D.	-	
Total ESP	2.50	

UNIT DATA - EXHAUST/RETURN		
	Design	Actual
Manufacturer	-	AAON
Model Number	-	RNA-031
Serial Number	-	
No. Pre-Filters / Size (1)	-	
No. Pre-Filters / Size (2)	-	
No. Pre-Filters / Size (3)	-	
No. Pre-Filters / Size (4)	-	
No. Pre-Filters / Size (5)	-	
No. Pre-Filters / Size (6)	-	

MOTOR DATA - EXHAUST/RETURN	
	Actual
Motor MFG / FRAME	
Horsepower / RPM	10.0 / 1760
Rated Volts / Phase	460 / 3
Rated Amperage / SF	14.0 /

TEST DATA - EXHAUST/RETURN		
	Design	Actual
Total CFM	12000	
Fan RPM	1389	
VFD Speed	-	
RL Voltage	460	
RL Amperage	14.0	
Motor B.H.P.	7.54	

PERFORMANCE DATA - EXHAUST/RETURN		
	Design	Actual
Static Pressure Stpt	-	
Suction S.P.	-	
Discharge S.P.	-	
Total S.P.	1.76	
Heat Wheel P.D.	-	
Pre-Filters P.D.	-	
Total ESP	1.00	



National TAB

Project:DHL CVG Hangar (Erlanger, KY)

AHU-DUAL FAN

VAV - Single Duct

HRHP-R06/

Asset											
Asset Name	MFG	Model Num	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
VAV-101	PRICE	SDV	REHEAT	16	2360	2378	710	721	1180	1177	4430
VAV-102	PRICE	SDV	REHEAT	14	1740	1715	530	538	870	877	3556
VAV-103	PRICE	SDV	REHEAT	14	1650	1647	500	510	830	837	2977
VAV-104	PRICE	SDV	REHEAT	8	570	571	290	293	290	293	1135
VAV-105	PRICE	SDV	REHEAT	8	420	438	130	132	130	132	1060
VAV-115	PRICE	SDV	REHEAT	4	150	149	50	53	75	79	390
VAV-120	PRICE	SDV	REHEAT	8	420	441	420	441	420	441	1536
VAV-201	PRICE	SDV	REHEAT	16	2680	2713	810	816	1340	1324	4074
VAV-202	PRICE	SDV	REHEAT	12	1090	1112	330	328	550	562	2191

Diffuser Supply (GRD)

VAV-101/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	121 SECURITY	LS-04	48X6	200	2672	205	102.5
SGRD2	121 SECURITY	LS-04	48X6	200		210	105.0
SGRD3	121 SECURITY	LS-04	48X6	200		196	98.0
SGRD4	121 SECURITY	LS-05	48X8	440		431	98.0
SGRD5	121 SECURITY	LS-05	48X8	440		466	105.9
SGRD6	121 SECURITY	LS-05	48X8	440		450	102.3
SGRD7	121 SECURITY	LS-05	48X8	440		420	95.5
Total				2360	2672	2378	100.76%

VAV-102/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	121 SECURITY	LS-05	48X8	400	275	382	95.5
SGRD2	121 SECURITY	LS-05	48X8	270	114	277	102.6
SGRD3	121 SECURITY	LS-05	48X8	400	386	396	99.0
SGRD4	121 SECURITY	LS-05	48X8	270	322	267	98.9
SGRD5	121 SECURITY	LS-05	48X8	400	450	393	98.3
Total				1740	1547	1715	98.56%

VAV-103/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	CO100 CORR 01	LS-02	8	150	164	152	101.3
SGRD2	CO100 CORR 01	LS-02	8	150	172	147	98.0
SGRD3	CO100 CORR 01	LS-02	8	150	155	156	104.0
SGRD4	CO100 CORR 01	LS-02	8	150	163	158	105.3
SGRD5	CO100 CORR 01	LS-02	8	150	140	149	99.3
SGRD6	CO100 CORR 01	LS-02	8	150	132	136	90.7
SGRD7	CO100 CORR 01	LS-02	8	150	145	153	102.0
SGRD8	CO100 CORR 01	LS-02	8	150	127	137	91.3
SGRD9	CO100 CORR 01	LS-02	8	150	155	159	106.0
SGRD10	CO100 CORR 01	LS-02	8	150	154	162	108.0
SGRD11	CO100 CORR 01	LS-02	8	150	121	138	92.0
Total				1650	1628	1647	99.82%

VAV-104/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	CO101 CORR 02	SD-03	8	190	187	187	98.4
SGRD2	CO101 CORR 02	SD-03	8	190	195	195	102.6
SGRD3	CO101 CORR 02	SD-03	8	190	189	189	99.5
Total				570	571	571	100.18%

VAV-105/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	122 SECURITY OFC	SD-03	8	140	193	147	105.0
SGRD2	122 SECURITY OFC	SD-03	8	140	136	154	110.0
SGRD3	122 SECURITY OFC	SD-03	8	140	261	137	97.9
Total				420	590	438	104.29%

VAV-115/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	131 WELLNESS	SD-03	8	150	188	149	99.3
Total				150	188	149	99.33%

VAV-120/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	136 WOMEN RR	LS-02	8	70	35	76	108.6
SGRD2	136 WOMEN RR	LS-02	8	70	45	73	104.3
SGRD3	132 TOILET	LS-01	6	100	75	107	107.0
SGRD4	137 MENS RR	LS-02	8	90	77	92	102.2
SGRD5	137 MENS RR	LS-02	8	90	71	93	103.3
Total				420	303	441	105%

VAV-201/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	CO200 CORR 04	LS-06	216X8	2680	2713	2713	101.2
Total				2680	2713	2713	101.23%

VAV-202/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	CO200 COOR 04	SD-03	8	150	1127	155	103.3
SGRD2	ST-1-2 STAIR 1-2	SD-03	8	200		211	105.5
SGRD3	226 TOILET	LS-02	8	70		75	107.1
SGRD4	225 MENS RR	LS-02	8	80		72	90.0
SGRD5	225 MENS RR	LS-02	8	80		73	91.3
SGRD6	224 WOMEN RR	LS-02	8	80		83	103.8
SGRD7	224 WOMEN RR	LS-02	8	80		85	106.3
SGRD8	CO200 COOR 04	SD-03	8	150		157	104.7
SGRD9	CO200 COOR 04	SD-02	6	100		98	98.0
SGRD10	CO200 COOR 04	SD-02	6	100		103	103.0
Total				1090	1127	1112	102.02%

Completed By: Gabe Merk on 02/02/2026



National TAB

Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: AHU-DUAL FAN

Asset: HRHP-R07

AREA:

UNIT DATA - SUPPLY		
	Design	Actual
Manufacturer	NA	AAON
Model Number	NA	RNA-030
Serial Number	-	202507-ANEL34315
No. Pre-Filters / Size (1)	-	6 / 16"x20"x2"
No. Pre-Filters / Size (2)	-	8 / 20"x25"x2"
No. Pre-Filters / Size (3)	-	8 / 20"x25"x4"

MOTOR DATA - SUPPLY	
	Actual
Motor MFG / Frame	INACCESSIBLE / INACCESSIBLE
Horsepower / RPM	15.0 / 1760
Rated Volts / Phase	3 / 460
Rated Amperage / SF	21.0 / INACCESSIBLE

TEST DATA - SUPPLY		
	Design	Actual
Total CFM	9000	9619
OA CFM	3774	3680@5.0V
Fan RPM	1872	1783
VFD Speed	-	60.8hHZ
RL Voltage	460	479 VFD
RL Amperage	21.0	13.0 VFD
Motor B.H.P.	11.89	9.29

PERFORMANCE DATA - SUPPLY		
	Design	Actual
Static Pressure Stpt	-	0.7"
Suction S.P.	-	-2.58"
Discharge S.P.	-	0.97"
Total S.P.	4.94	3.55"
DX Coil P.D.	-	1.38"*
Heat Wheel P.D.	-	0.46"
Total ESP	2.75	2.17"

UNIT DATA - EXHAUST/RETURN		
	Design	Actual
No. Pre-Filters / Size (1)	-	

Completed By: Gabe Merk on 02/06/2026

Notes:

Max fan set to 9v.

Written By: Gabe Merk on 02/06/2026



National TAB

Project:DHL CVG Hangar (Erlanger, KY)

AHU-DUAL FAN

VAV - Single Duct

HRHP-R07/

Asset											
Asset Name	MFG	Model Num	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
VAV-106	PRICE	SDV	REHEAT	10	880	873	270	277	440	442	1720
VAV-107	PRICE	SDV	REHEAT	10	1000	999	300	303	500	510	1675
VAV-108	PRICE	SDV	REHEAT	10	1000	1032	300	307	500	510	1769
VAV-109	PRICE	SDV	REHEAT	10	880	869	272	272	440	438	1780
VAV-110	PRICE	SDV	REHEAT	10	880	893	270	277	440	451	1710
VAV-111	PRICE	SDV	REHEAT	10	880	882	270	273	440	433	1790
VAV-112	PRICE	SDV	REHEAT	10	880	867	270	265	440	447	1710
VAV-113	PRICE	SDV	REHEAT	10	880	881	270	273	440	441	1745
VAV-114	PRICE	SDV	REHEAT	10	880	892	270	261	440	452	1865
VAV-116	PRICE	SDV	REHEAT	8	470	471	150	153	150	153	1110
VAV-117	PRICE	SDV	REHEAT	8	540	527	170	169	170	169	1000
VAV-118	PRICE	SDV	REHEAT	6	350	334	110	107	110	107	580
VAV-119	PRICE	SDV	REHEAT	8	420	433	130	123	130	123	1070

Diffuser Supply (GRD)

VAV-106/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	127 TRAIN TECH/LAB	SD-03	8	180	210	191	106.1
SGRD2	127 TRAIN TECH/LAB	SD-03	8	170	229	170	100.0
SGRD3	127 TRAIN TECH/LAB	SD-03	8	180	230	175	97.2
SGRD4	127 TRAIN TECH/LAB	SD-03	8	180	174	163	90.6
SGRD5	127 TRAIN TECH/LAB	SD-03	8	170	187	174	102.4
Total				880	1030	873	99.2%

VAV-107/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	127 TRAIN TECH/LAB	SD-04	10	250	231	226	90.4
SGRD2	127 TRAIN TECH/LAB	SD-04	10	250	302	241	96.4
SGRD3	127 TRAIN TECH/LAB	SD-04	10	250	314	271	108.4
SGRD4	127 TRAIN TECH/LAB	SD-04	10	250	309	261	104.4
Total				1000	1156	999	99.9%

VAV-108/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	128 TRAIN TECH/LAB	SD-03	8	200	239	204	102.0
SGRD2	128 TRAIN TECH/LAB	SD-03	8	200	251	198	99.0

VAV-108/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD3	128 TRAIN TECH/LAB	SD-03	8	200	238	201	100.5
SGRD4	128 TRAIN TECH/LAB	SD-03	8	200	239	210	105.0
SGRD5	128 TRAIN TECH/LAB	SD-03	8	200	250	219	109.5
Total				1000	1217	1032	103.2%

VAV-109/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	128 TRAIN TECH/LAB	SD-04	10	220	271	223	101.4
SGRD2	128 TRAIN TECH/LAB	SD-04	10	220	293	226	102.7
SGRD3	128 TRAIN TECH/LAB	SD-04	10	220	257	215	97.7
SGRD4	128 TRAIN TECH/LAB	SD-04	10	220	246	201	91.4
Total				880	1067	865	98.3%

VAV-110/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	129 TRAIN CLASS	SD-04	10	220	226	210	95.5
SGRD2	129 TRAIN CLASS	SD-04	10	220	250	229	104.1
SGRD3	129 TRAIN CLASS	SD-04	10	220	289	225	102.3
SGRD4	129 TRAIN CLASS	SD-04	10	220	289	229	104.1
Total				880	1054	893	101.48%

VAV-111/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	129 TRAIN CLASS	SD-03	8	180	248	170	94.4
SGRD2	129 TRAIN CLASS	SD-03	8	170	238	184	108.2
SGRD3	129 TRAIN CLASS	SD-03	8	180	219	178	98.9
SGRD4	129 TRAIN CLASS	SD-03	8	180	190	177	98.3
SGRD5	129 TRAIN CLASS	SD-03	8	170	204	173	101.8
Total				880	1099	882	100.23%

VAV-112/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	130 TRAIN CLASS	SD-04	10	220	253	212	96.4
SGRD2	130 TRAIN CLASS	SD-04	10	220	273	221	100.5
SGRD3	130 TRAIN CLASS	SD-04	10	220	262	218	99.1
SGRD4	130 TRAIN CLASS	SD-04	10	220	259	216	98.2
Total				880	1047	867	98.52%

VAV-113/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	130 TRAIN CLASS	SD-03	8	120	178	131	109.2
SGRD2	130 TRAIN CLASS	SD-03	8	120	226	126	105.0
SGRD3	130 TRAIN CLASS	SD-03	8	120	27	128	106.7
SGRD4	130 TRAIN CLASS	SD-03	8	120	233	130	108.3
SGRD5	130 TRAIN CLASS	SD-03	8	200	190	184	92.0
SGRD6	130 TRAIN CLASS	SD-03	8	200	243	182	91.0
Total				880	1097	881	100.11%

VAV-114/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	130 TRAIN CLASS	SD-03	8	170	216	170	100.0
SGRD2	130 TRAIN CLASS	SD-03	8	180	223	185	102.8
SGRD3	130 TRAIN CLASS	SD-03	8	180	268	175	97.2

VAV-114/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD4	130 TRAIN CLASS	SD-03	8	180	221	180	100.0
SGRD5	130 TRAIN CLASS	SD-03	8	170	200	182	107.1
Total				880	1128	892	101.36%

VAV-116/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	142 STORAGE	SD-04	10	210	257	207	98.6
SGRD2	141 TRAIN OFC	SD-03	8	130	128	124	95.4
SGRD3	141 TRAIN OFC	SD-03	8	130	193	140	107.7
Total				470	578	471	100.21%

VAV-117/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	146 BREAK RM	SD-03	8	180	195	172	95.6
SGRD2	146 BREAK RM	SD-03	8	180	207	172	95.6
SGRD3	146 BREAK RM	SD-03	8	180	226	183	101.7
Total				540	628	527	97.59%

VAV-118/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	CORRIDOR	SD-03	8	110	168	117	106.4
SGRD2	CORRIDOR	SD-03	8	120	140	109	90.8
SGRD3	CORRIDOR	SD-03	8	120	138	108	90.0
Total				350	446	334	95.43%

VAV-119/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	CORRIDOR	SD-03	8	100	157	104	104.0
SGRD2	CORRIDOR	SD-03	8	100	114	105	105.0
SGRD3	CORRIDOR	SD-03	8	100	120	103	103.0
SGRD4	CORRIDOR	SD-03	8	120	119	121	100.8
Total				420	510	433	103.1%



National TAB

Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: AHU-DUAL FAN

Asset: HRHP-R08

AREA:2ND FLR-AREA C

UNIT DATA - SUPPLY

	Design	Actual
Manufacturer	NA	AAON
Model Number	NA	RNA-031
Serial Number	-	202507-BNEU34336
No. Pre-Filters / Size (1)	-	12 / 16"x25"
No. Pre-Filters / Size (2)	-	8 / 24x24x2"
No. Pre-Filters / Size (3)	-	8 / 24"x24"x4"

MOTOR DATA - SUPPLY

	Actual
Motor MFG / Frame	INACCESSIBLE / INACCESSIBLE
Horsepower / RPM	2@20.0 / 1760
Rated Volts / Phase	3 / 460
Rated Amperage / SF	2@27.0 / INACCESSIBLE

TEST DATA - SUPPLY

	Design	Actual
Total CFM	13500	14157
OA CFM	3000	3107@3.2V
Fan RPM	1837	1848/1848
VFD Speed	-	63/63HZ
RL Voltage	460	472/472 VFD
RL Amperage	27.0	14.0/14.2 VFD
Motor B.H.P.	10.89	10.4/10.5

PERFORMANCE DATA - SUPPLY

	Design	Actual
Static Pressure Stpt	-	0.8"
Suction S.P.	-	-3.01"
Discharge S.P.	-	0.67"
Total S.P.	5.20	3.68"
DX Coil P.D.	-	0.45"
Final Filters P.D.	-	1.35"
Heat Wheel P.D.	-	0.23"
Pre-Filters P.D.	-	0.07"
Total ESP	3.50	1.86"

Completed By: Gabe Merk on 02/06/2026



National TAB

Project:DHL CVG Hangar (Erlanger, KY)

AHU-DUAL FAN

VAV - Single Duct

HRHP-R08/2ND FLR-AREA C

Asset											
Asset Name	MFG	Model Num	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
VAV-203	PRICE	SDV	REHEAT	6	260	266	80	81	80	81	600
VAV-204	PRICE	SDV	REHEAT	12	1320	1323	400	416	400	416	2300
VAV-205	PRICE	SDV	REHEAT	12	1320	1342	400	410	400	410	2195
VAV-206	PRICE	SDV	REHEAT	10	880	872	270	273	270	273	1487
VAV-207	PRICE	SDV	REHEAT	10	880	878	270	265	270	265	1685
VAV-208	PRICE	SDV	REHEAT	10	880	879	270	275	270	275	1560
VAV-209	PRICE	SDV	REHEAT	12	1320	1339	400	415	660	659	2615
VAV-210	PRICE	SDV	REHEAT	12	1320	1349	400	408	400	408	2553
VAV-211	PRICE	SDV	REHEAT	10	900	917	270	267	450	459	1775
VAV-212	PRICE	SDV	REHEAT	10	810	776	250	239	410	406	1431
VAV-213	PRICE	SDV	REHEAT	10	810	815	250	253	410	417	1305
VAV-214	PRICE	SDV	REHEAT	10	810	802	250	247	410	403	1487
VAV-215	PRICE	SDV	REHEAT	12	1170	1114	360	357	590	599	2534
VAV-216	PRICE	SDV	REHEAT	8	740	720	230	232	370	373	1175
VAV-217	PRICE	SDV	REHEAT	8	510	499	160	161	260	269	1005
VAV-218	PRICE	SDV	REHEAT	8	620	623	190	197	190	197	1025
VAV-220	PRICE	SDV	REHEAT	10	590	614	270	265	270	265	1644
VAV-233	PRICE	SDV	REHEAT	8	560	558	170	177	280	275	910
VAV-234	PRICE	SDV	REHEAT	8	510	528	160	158	260	265	955

Diffuser Supply (GRD)

VAV-203/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	201 AVIATION SUITE	SD-04	10	260	334	266	102.3
Total				260	334	266	102.31%

VAV-204/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	201 AVIATION STE	LS-05	48X8	440	329	396	90.0
SGRD2	201 AVIATION STE	LS-05	48X8	440	506	467	106.1
SGRD3	201 AVIATION STE	LS-05	48X8	440	565	460	104.5
Total				1320	1400	1323	100.23%

VAV-205/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	201 AVIATION STE	LS-05	48X8	440	387	409	93.0
SGRD2	201 AVIATION STE	LS-05	48X8	440	481	481	109.3
SGRD3	201 AVIATION STE	LS-05	48X8	440	534	452	102.7
Total				1320	1402	1342	101.67%

VAV-206/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1		SD-05	12	440	450	450	102.3
SGRD2		SD-05	12	440	422	422	95.9

VAV-206/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
Total				880	872	872	99.09%

VAV-207/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	201 AVIATION STE	SD-04	10	220	303	239	108.6
SGRD2	201 AVIATION STE	SD-04	10	220	259	232	105.5
SGRD3	201 AVIATION STE	SD-04	10	220	149	191	86.8
SGRD4	201 AVIATION STE	SD-04	10	220	300	216	98.2
Total				880	1011	878	99.77%

VAV-208/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	201 AVIATION STE	LS-05	48X8	440	473	442	100.5
SGRD2	201 AVIATION STE	LS-05	48X8	440	454	437	99.3
Total				880	927	879	99.89%

VAV-209/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	201 AVIATION STE	SD-05	12	440	556	462	105.0
SGRD2	201 AVIATION STE	SD-05	12	440	567	456	103.6
SGRD3	201 AVIATION STE	SD-05	12	440	480	421	95.7
Total				1320	1603	1339	101.44%

VAV-210/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	201 AVIATION STE	SD-05	12	440	502	453	103.0
SGRD2	201 AVIATION STE	SD-05	12	440	496	445	101.1
SGRD3	201 AVIATION STE	SD-05	12	440	579	451	102.5
Total				1320	1577	1349	102.2%

VAV-211/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	202 CONF RM	SD-03	8	150	198	159	106.0
SGRD2	202 CONF RM	SD-03	8	150	185	156	104.0
SGRD3	202 CONF RM	SD-03	8	150	178	159	106.0
SGRD4	202 CONF RM	SD-03	8	150	184	150	100.0
SGRD5	202 CONF RM	SD-03	8	150	169	140	93.3
SGRD6	202 CONF RM	SD-03	8	150	174	153	102.0
Total				900	1088	917	101.89%

VAV-212/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	205 OFFICE	LS-03	10	270	291	281	104.1
SGRD2	204 OFFICE	LS-03	10	270	255	244	90.4
SGRD3	203 OFFICE	LS-03	10	270	242	251	93.0
Total				810	788	776	95.8%

VAV-213/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	206 OFFICE	LS-03	10	270	131	245	90.7
SGRD2	207 OFFICE	LS-03	10	270	273	293	108.5
SGRD3	208 OFFICE	LS-03	10	270	223	277	102.6
Total				810	627	815	100.62%

VAV-214/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	209 OFFICE	LS-03	10	270	239	263	97.4
SGRD2	210 OFFICE	LS-03	10	270	285	274	101.5
SGRD3	211 OFFICE	LS-03	10	270	289	265	98.1
Total				810	813	802	99.01%

VAV-215/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	212 CONF RM	SD-03	8	195	236	178	91.3
SGRD2	212 CONF RM	SD-03	8	195	268	185	94.9
SGRD3	212 CONF RM	SD-03	8	195	243	212	108.7
SGRD4	212 CONF RM	SD-03	8	195	236	180	92.3
SGRD5	212 CONF RM	SD-03	8	195	206	177	90.8
SGRD6	212 CONF RM	SD-03	8	195	223	182	93.3
Total				1170	1412	1114	95.21%

VAV-216/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	214 CONF RM	SD-03	8	140	149	134	95.7
SGRD2	214 CONF RM	SD-03	8	150	240	138	92.0
SGRD3	214 CONF RM	SD-03	8	150	221	163	108.7
SGRD4	214 CONF RM	SD-03	8	150	198	141	94.0
SGRD5	214 CONF RM	SD-03	8	150	188	144	96.0
Total				740	996	720	97.3%

VAV-217/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1		SD-03	8	170	182	156	91.8
SGRD2		SD-03	8	170	212	172	101.2
SGRD3		SD-03	8	170	210	171	100.6
Total				510	604	499	97.84%

VAV-218/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	222 OFFICE	SD-04	10	160	209	147	91.9
SGRD2	221 OFFICE	SD-04	10	150	59	149	99.3
SGRD3	220 OFFICE	SD-04	10	150	225	162	108.0
SGRD4	219 OFFICE	SD-04	10	160	231	165	103.1
Total				620	724	623	100.48%

VAV-220/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	227 MRO SUITE	SD-03	10	145	156	149	102.8
SGRD2	227 MRO SUITE	SD-03	10	145	163	157	108.3
SGRD3	227 MRO SUITE	SD-03	10	150	161	152	101.3
SGRD4	227 MRO SUITE	SD-03	10	150	167	156	104.0
Total				590	647	614	104.07%

VAV-233/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	233 OFFICE	LS-03	10	310	293	294	94.8
SGRD2	234 OFFICE	LS-03	10	250	313	264	105.6
Total				560	606	558	99.64%

VAV-234/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	235 OFFICE	LS-03	10	260	315	284	109.2
SGRD2	236 OFFICE	LS-03	10	250	254	244	97.6

VAV-234/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
Total				510	569	528	103.53%



National TAB

Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: AHU-DUAL FAN

Asset: HRHP-R09

AREA:

UNIT DATA - SUPPLY

	Design	Actual
Manufacturer	NA	AAON
Model Number	NA	RNA-031
Serial Number	-	202507-BNEU34337
No. Pre-Filters / Size (1)	-	12 / 16"X25"
No. Pre-Filters / Size (2)	-	8 / 24"X24"X2"
No. Pre-Filters / Size (3)	-	8 / 24"X24"X4"

MOTOR DATA - SUPPLY

	Actual
Motor MFG / Frame	INACCESSIBLE / INACCESSIBLE
Horsepower / RPM	2@20.0 / 1760
Rated Volts / Phase	3 / 460
Rated Amperage / SF	2@27.0 / INACCESSIBLE

TEST DATA - SUPPLY

	Design	Actual
Total CFM	13500	14633
OA CFM	3000	2956
Fan RPM	1837	1848/1848
VFD Speed	-	63/63HZ
RL Voltage	460	472/472
RL Amperage	27.0	14.0/14.1
Motor B.H.P.	10.89	10.4/10.4

PERFORMANCE DATA - SUPPLY

	Design	Actual
Static Pressure Stpt	-	1.5"
Suction S.P.	-	-2.54"
Discharge S.P.	-	1.71"
Total S.P.	5.20	4.25"
DX Coil P.D.	-	0.32"
Heat Wheel P.D.	-	0.61"
Pre-Filters P.D.	-	1.05"
Total ESP	3.50	2.87"

Completed By: Gabe Merk on 02/06/2026



National TAB

Project:DHL CVG Hangar (Erlanger, KY)

AHU-DUAL FAN

VAV - Single Duct

HRHP-R09/

Asset											
Asset Name	MFG	Model Num	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
VAV-219	NA	NA	REHEAT	4	140	146	50	53	75	77	390
VAV-221	NA	NA	REHEAT	12	1430	1427	400	409	660	409	2525
VAV-222	NA	NA	REHEAT	10	760	785	230	230	230	230	1540
VAV-223	NA	NA	REHEAT	8	510	515	160	162	260	271	1143
VAV-224	NA	NA	REHEAT	12	1220	1246	400	399	400	399	2400
VAV-225	NA	NA	REHEAT	10	880	869	270	270	270	270	1535
VAV-226	NA	NA	REHEAT	12	900	905	400	403	400	403	2650
VAV-227	NA	NA	REHEAT	12	1320	1327	400	410	400	410	2440
VAV-228	NA	NA	REHEAT	10	880	867	270	276	270	276	1238
VAV-229	NA	NA	REHEAT	10	1000	960	300	295	300	295	1730
VAV-230	NA	NA	REHEAT	10	880	921	270	273	270	273	1535
VAV-231	NA	NA	REHEAT	8	720	712	220	221	220	221	1076
VAV-232	NA	NA	REHEAT	8	600	600	180	181	180	181	1102
VAV-235	NA	NA	REHEAT	6	360	367	110	115	180	181	541
VAV-236	NA	NA	REHEAT	4	150	151	50	50	75	77	396
VAV-237	NA	NA	REHEAT	8	540	532	170	167	170	167	1092
VAV-238	NA	NA	REHEAT	8	680	686	210	214	210	214	1010
VAV-239	NA	NA	REHEAT	4	150	153	50	51	75	73	389
VAV-240	NA	NA	REHEAT	6	260	269	80	83	80	83	520
VAV-241	NA	NA	REHEAT	8	540	520	170	165	170	165	1052
VAV-242	NA	NA	REHEAT	6	280	288	90	91	90	91	534

Diffuser Supply (GRD)

VAV-219/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	223 PRAYER	SD-03	8	140	173	146	104.3
Total				140	173	146	104.29%

VAV-221/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	227 MRO SUITE	LS-05	48X8	440	441	421	95.7
SGRD2	227 MRO SUITE	LS-05	48X8	330	489	361	109.4
SGRD3	227 MRO SUITE	LS-05	48X8	330	372	316	95.8
SGRD4	227 MRO SUITE	LS-05	48X8	330	374	329	99.7
Total				1430	1676	1427	99.79%

VAV-222/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	227 MRO SUITE	LS-03	10	260	260	253	97.3
SGRD2	227 MRO SUITE	LS-03	10	250	262	258	103.2
SGRD3	227 MRO SUITE	LS-03	10	250	280	274	109.6
Total				760	802	785	103.29%

VAV-223/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	229 PROD PLAN	SD-04	10	255	338	264	103.5
SGRD2	229 PROD PLAN	SD-04	10	255	328	251	98.4
Total				510	666	515	100.98%

VAV-224/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	227 MRO SUITE	LS-05	48X8	440	399	419	95.2
SGRD2	227 MRO SUITE	LS-05	48X8	440	603	475	108.0
SGRD3	227 MRO SUITE	LS-05	48X8	340	386	352	103.5
Total				1220	1388	1246	102.13%

VAV-225/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	227 MRO SUITE	LS-05	48X8	440	460	460	104.5
SGRD2	227 MRO SUITE	LS-05	48X8	440	409	409	93.0
Total				880	869	869	98.75%

VAV-226/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	227 MRO SUITE	LS-05	48X8	450	586	474	105.3
SGRD2	227 MRO SUITE	LS-05	48X8	450	533	431	95.8
Total				900	1119	905	100.56%

VAV-227/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	227 MRO SUITE	LS-05	48X8	440	473	402	91.4
SGRD2	227 MRO SUITE	LS-05	48X8	440	551	468	106.4
SGRD3	227 MRO SUITE	LS-05	48X8	440	538	457	103.9
Total				1320	1562	1327	100.53%

VAV-228/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	227 MRO SUITE	LS-05	48X8	440	365	423	96.1
SGRD2	227 MRO SUITE	LS-05	48X8	440	383	444	100.9
Total				880	748	867	98.52%

VAV-229/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	227 MRO SUITE	SD-05	12	500	534	470	94.0
SGRD2	227 MRO SUITE	SD-05	12	500	681	490	98.0
Total				1000	1215	960	96%

VAV-230/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	227 MRO SUITE	SD-04	10	290	284	282	97.2
SGRD2	227 MRO SUITE	SD-04	10	290	318	318	109.7
SGRD3	227 MRO SUITE	SD-04	10	300	329	321	107.0
Total				880	931	921	104.66%

VAV-231/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	237 CONF	SD-04	10	240	261	236	98.3
SGRD2	237 CONF	SD-04	10	240	264	236	98.3
SGRD3	237 CONF	SD-04	10	240	266	240	100.0
Total				720	791	712	98.89%

VAV-232/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	230 CONFERENCE	SD-03	10	300	386	298	99.3
SGRD2	230 CONFERENCE	SD-04	10	300	392	302	100.7
Total				600	778	600	100%

VAV-235/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	HALL	SD-03	8	180	195	172	95.6
SGRD2	HALL	SD-03	8	180	225	195	108.3
Total				360	420	367	101.94%

VAV-236/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	CO202 CORR 5	SG-02	10X6	150	175	151	100.7
Total				150	175	151	100.67%

VAV-237/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	240 REC STOR	SD-03	8	200	250	201	100.5
SGRD2	239 OFFICE	SD-03	8	170	195	158	92.9
SGRD3	238 OFFICE	SD-03	8	170	245	173	101.8
Total				540	690	532	98.52%

VAV-238/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	244 OFFICE	SD-04	10	170	158	167	98.2
SGRD2	243 OFFICE	SD-04	10	170	198	178	104.7
SGRD3	242 OFFICE	SD-04	10	170	206	167	98.2
SGRD4	241 OFFICE	SD-04	10	170	219	174	102.4
Total				680	781	686	100.88%

VAV-239/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	CO202 CORR 5	SG-02	10X6	150	172	153	102.0
Total				150	172	153	102%

VAV-240/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	245 AUDITORS	SD-03	8	130	146	141	108.5
SGRD2	245 AUDITORS	SD-03	8	130	131	128	98.5
Total				260	277	269	103.46%

VAV-241/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	248 OFFICE	SD-03	8	180	210	166	92.2
SGRD2	247 OFFICE	SD-03	8	180	234	182	101.1
SGRD3	246 OFFICE	SD-03	8	180	196	172	95.6
Total				540	640	520	96.3%

VAV-242/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	249 COPY RM	SD-04	10	280	332	288	102.9
Total				280	332	288	102.86%



National TAB

Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: FAN - Supply

Asset: MAU-R03

AREA:

Unit Data	
	Actual
MFG	AAON
Model Num	RNA-007
Serial Num	202508-ANEG34322

Motor Data		
	Design	Actual
Horsepower	1.0	1
Motor Rpm	1170	1170
Phase	3	3
Voltage (rated)	460	460
Amperage (rated)	-	2.1

Test Data		
	Design	Actual
CFM	1200	1235
SF RPM	1113	702
RL Voltage	460	188 VFD
RL Amperage	2.1	0.8 VFD
Suction ESP	-	-0.14"
Discharge ESP	-	0.29"
Total ESP	0.50	0.43"
Brake Horse Power	-	0.38

Completed By: Gabe Merk on 02/04/2026



National TAB

Project:DHL CVG Hangar (Erlanger, KY)

FAN - Supply

Diffuser Supply (GRD)

MAU-R03/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	151	SG-02	10X6	240	1957	254	105.8
SGRD2	15	SG-02	10X6	240		246	102.5
SGRD3	151	SG-02	10X6	240		232	96.7
SGRD4	151	SG-02	10X6	240		262	109.2
SGRD5	151	SG-02	10X6	240		241	100.4
Total				1200	1957	1235	102.92%



National TAB

Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: FAN - Exhaust

Asset: EF-201

AREA:224 WOMEN RR

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	BSQ-160
Serial Num	-	ILLEGIBLE
Type	CENT INLINE	INLINE

Motor Data		
	Design	Actual
Motor MFG	-	U.S. MOTORS
Horsepower	0.33	0.33
Motor Rpm	1725	1725
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	5.8
Service Factor	-	1.35

Drive Data	
	Actual
Motor Sheave Size	4"
Motor Bore Size	INACCESSIBLE
Motor Sheave SetPt	0 TURNS OUT
Fan Sheave Size	INACCESSIBLE
Fan Sheave Bore	INACCESSIBLE
Belt CL Distance	INACCESSIBLE
Num of Belts	1
Belt Size	4L540R

Test Data		
	Design	Actual
CFM	2040	2053
Fan RPM	898	937
RL Voltage	115	INACCESSIBLE
RL Amperage	7.2	INACCESSIBLE
Suction ESP	-	-0.40"
Discharge ESP	-	0.10"
Total ESP	0.41	0.50"

Completed By: Gabe Merk on 02/03/2026

Notes:

E201-1 is a transfer grille and deleted from scope.

Written By: Gabe Merk on 02/02/2026



National TAB

Project: DHL CVG Hangar (Erlanger, KY)

FAN - Exhaust

Diffuser Ret/Exh (GRD)

EF-201/224 WOMEN RR

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD2	137 MENS RR	LE-01	6	90	0.46	64	69	89	98.9
EGRD3	137 MENS RR	LE-01	6	90	0.46	47	50	93	103.3
EGRD4	137 MENS RR	LE-01	6	90	0.46	50	54	90	100.0
EGRD5	137 MENS RR	LE-01	6	90	0.46	59	63	85	94.4
EGRD6	136 WOMEN RR	LE-01	6	70	0.46	47	50	67	95.7
EGRD7	136 WOMEN RR	LE-01	6	70	0.46	43	46	73	104.3
EGRD8	136 WOMEN RR	LE-01	6	70	0.46	46	49	71	101.4
EGRD9	136 WOMEN RR	LE-01	6	70	0.46	41	44	67	95.7
EGRD10	149 WOMEN RR	LE-01	6	70	0.46	56	60	73	104.3
EGRD11	149 WOMEN RR	LE-01	6	70	0.46	57	61	69	98.6
EGRD12	149 WOMEN RR	ED-01	6	50	1	94	101	54	108.0
EGRD13	144 MENS RR	LE-01	6	70	0.46	42	45	76	108.6
EGRD14	144 MENS RR	LE-01	6	70	0.46	37	40	71	101.4
EGRD15	144 MENS RR	ED-01	6	50	1	83	89	55	110.0
EGRD16	134 JANITOR	ED-01	6	100	1	67	72	92	92.0
EGRD17	132 TOILET	LE-01	6	70	0.46	55	59	73	104.3
EGRD18	132 TOILET	LE-01	6	70	0.46	47	50	69	98.6
EGRD19	224 WOMEN RR	LE-01	6	70	0.46	23	25	74	105.7
EGRD20	224 WOMEN RR	LE-01	6	70	0.46	93	100	73	104.3
EGRD21	224 WOMEN RR	LE-01	6	70	0.46	79	85	69	98.6
EGRD22	224 WOMEN RR	LE-01	6	70	0.46	86	92	73	104.3
EGRD23	225 MENS RR	LE-01	6	90	0.46	62	66	95	105.6
EGRD24	225 MENS RR	LE-01	6	90	0.46	74	79	86	95.6
EGRD25	225 MENS RR	LE-01	6	90	0.46	60	64	96	106.7
EGRD26	225 MENS RR	LE-01	6	90	0.46	55	59	86	95.6
EGRD27	226 TOILET	LE-02	10	140	0.46	85	91	134	95.7
Total				2040		1552	1663	2053	100.64%



National TAB

Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: FAN - Exhaust

Asset: EF-R11

AREA:187, 188 RESTROOMS

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	GB-097-6
Serial Num	-	25710972
Type	CRE DNBLAST	CRE DNBLAST

Motor Data		
	Design	Actual
Motor MFG	-	Marathon Motors
Frame	-	48Y
Horsepower	0.167	0.167
Motor Rpm	1725	1725
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	3.6
Service Factor	-	1.15

Drive Data	
	Actual
Motor Sheave Size	VP25
Motor Bore Size	0.4375"
Motor Sheave SetPt	3 turns out
Fan Sheave Size	AK34
Fan Sheave Bore	0.75"
Belt CL Distance	5"
Num of Belts	1
Belt Size	3L-180

Test Data		
	Design	Actual
CFM	140	131
Fan RPM	1161	1144
RL Voltage	115	119
RL Amperage	4.4	3.1
Suction ESP	-	-0.11"
Discharge ESP	-	Atmosphere
Total ESP	0.4	0.11"



National TAB

Project:DHL CVG Hangar (Erlanger, KY)

FAN - Exhaust

Diffuser Ret/Exh (GRD)

EF-R11/187, 188 RESTROOMS

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	188 MENS RR	ED-02	6	70	1	65	65	65	92.9
EGRD2	187 WOMEN RR	ED-02	6	70	1	66	66	66	94.3
Total				140		131	131	131	93.57%



National TAB

Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: FAN - Exhaust

Asset: EF-R12

AREA:157 ELECTRICAL

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	GB-097-6
Serial Num	-	25710983
Type	CRE DNBLASTb	CRE DNBLAST

Motor Data		
	Design	Actual
Motor MFG	-	Marathon Motors
Frame	-	48Y
Horsepower	0.167	0.167
Motor Rpm	1725	1725
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	4.4
Service Factor	-	1.15

Drive Data	
	Actual
Motor Sheave Size	VP25
Motor Bore Size	0.4375"
Motor Sheave SetPt	1.5 turns out
Fan Sheave Size	AK34
Fan Sheave Bore	0.75"
Belt CL Distance	4.75"
Num of Belts	1
Belt Size	3L-180

Test Data		
	Design	Actual
CFM	300	277
Fan RPM	1323	1305
RL Voltage	115	120
RL Amperage	4.4	3.2
Suction ESP	-	-0.02"
Discharge ESP	-	Atmosphere
Total ESP	0.4	0.02"



National TAB

Project:DHL CVG Hangar (Erlanger, KY)

FAN - Exhaust

Diffuser Ret/Exh (GRD)

EF-R12/157 ELECTRICAL

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	157 ELECTRICAL	ED-04	12	300	1	277	277	277	92.3
Total				300		277	277	277	92.33%



National TAB

Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: FAN - Exhaust

Asset: EF-R13

AREA:171 ELECTRICAL

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	GB-180-3
Serial Num	-	
Type	CRE DNBLAST	CRE DNBLAST

Motor Data		
	Design	Actual
Horsepower	0.33	0.33
Motor Rpm	1725	1725
Phase	1	1
Voltage (rated)	115	120
Amperage (rated)	-	7.2

Test Data		
	Design	Actual
CFM	2500	2459
RL Voltage	115	119
RL Amperage	7.2	6.2
Suction ESP	-	-0.48
Discharge ESP	-	Atm
Total ESP	0.3	0.48



National TAB

Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: FAN - Exhaust

Asset: EF-R14

AREA:171 ELECTRICAL

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	GB-180-3
Serial Num	-	
Type	CRE DNBLAST	CRE DNBLAST

Motor Data		
	Design	Actual
Horsepower	0.33	0.33
Motor Rpm	1725	1725
Phase	1	1
Voltage (rated)	115	120
Amperage (rated)	-	7.2

Test Data		
	Design	Actual
CFM	2500	2428
RL Voltage	115	121
RL Amperage	7.2	5.8
Suction ESP	-	-0.41
Discharge ESP	-	Atm
Total ESP	0.3	0.41



National TAB

Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: FAN - Exhaust

Asset: EF-R17

AREA:232 ELECTRICAL

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	GB-097-6
Serial Num	-	25710978
Type	CRE DNBLAST	CRE DOWNBLAST

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Horsepower	0.167	0.167
Motor Rpm	1725	1725
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	4.4
Service Factor	-	1.15

Drive Data	
	Actual
Motor Sheave Size	VP25
Motor Bore Size	0.5"
Motor Sheave SetPt	2 turns out
Fan Sheave Size	AK34
Fan Sheave Bore	0.75"
Belt CL Distance	5"
Num of Belts	1
Belt Size	3L-180

Test Data		
	Design	Actual
CFM	300	287
Fan RPM	1237	1250
RL Voltage	115	INACCESSIBLE
RL Amperage	4.4	INACCESSIBLE
Suction ESP	-	-0.05
Discharge ESP	-	ATM
Total ESP	0.3	0.05

Completed By: Gabe Merk on 02/04/2026



National TAB

Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: FAN - Exhaust

Asset: EF-R18

AREA:CO102 CORR 3

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	CUBE-180-5
Serial Num	-	
Type	CRE UPBLAST	CRE UPBLAST

Motor Data		
	Design	Actual
Horsepower	0.5	0.5
Motor Rpm	1725	1725
Phase	1	1
Voltage (rated)	115	120
Amperage (rated)	-	9.8

Test Data		
	Design	Actual
CFM	2700	2818
RL Voltage	115	120
RL Amperage	9.8	7.7
Suction ESP	-	-0.69
Discharge ESP	-	Atm
Total ESP	0.3	0.69



National TAB

Project:DHL CVG Hangar (Erlanger, KY)

FAN - Exhaust

Diffuser Ret/Exh (GRD)

EF-R18/CO102 CORR 3

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	CO102 CORR 3	EG-03	34X18	2700		0		2818	104.4
Total				2700		0	0	2818	104.37%



National TAB

Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: FAN - Exhaust

Asset: EF-R19

AREA:CO102 CORR 3

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	CUBE-180-5
Serial Num	-	
Type	CRE UPBLAST	CRE UPBLAST

Motor Data		
	Design	Actual
Horsepower	0.5	0.5
Motor Rpm	1725	1725
Phase	1	1
Voltage (rated)	115	120
Amperage (rated)	-	9.8

Test Data		
	Design	Actual
CFM	2700	2922
RL Voltage	115	121
RL Amperage	9.8	7.4
Suction ESP	-	-0.8"
Discharge ESP	-	Atm
Total ESP	0.3	0.8



National TAB

Project:DHL CVG Hangar (Erlanger, KY)

FAN - Exhaust

Diffuser Ret/Exh (GRD)

EF-R19/CO102 CORR 3

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	CO102 CORR 3	EG-03	34X18	2700		0		2922	108.2
Total				2700		0	0	2922	108.22%



National TAB

Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: FAN - Exhaust

Asset: EF-R21

AREA:CO102 CORR 3

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	CUBE-180-5
Serial Num	-	25861745
Type	CRE UPBLAST	CRE UPBLAST

Motor Data		
	Design	Actual
Motor MFG	-	WEG
Frame	-	56
Horsepower	0.5	0.5
Motor Rpm	1725	1725
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	8.4/4.2
Service Factor	-	1

Drive Data	
	Actual
Motor Sheave Size	VP34S
Motor Bore Size	0.625"
Motor Sheave SetPt	2 turns out
Fan Sheave Size	Ak 64
Fan Sheave Bore	0.75"
Belt CL Distance	5.5"
Num of Belts	1
Belt Size	4L270R

Test Data		
	Design	Actual
CFM	2700	2616
Fan RPM	822	800
RL Voltage	115	INACCESSIBLE
RL Amperage	9.8	INACCESSIBLE
Suction ESP	-	-0.10"
Discharge ESP	-	ATM
Total ESP	0.3	0.10"

Completed By: Gabe Merk on 02/04/2026



National TAB
Project:DHL CVG Hangar (Erlanger, KY)
FAN - Exhaust

Diffuser Ret/Exh (GRD)

EF-R21/CO102 CORR 3

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	CO102 CORR 3	EG-03	34X18	2700	3.7	2616	2616	2616	96.9
Total				2700		2616	2616	2616	96.89%



National TAB

Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: FAN - Exhaust

Asset: EF-R24

AREA:172 ELECTRICAL

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	GB-180-3
Serial Num	-	
Type	CRE DNBLAST	CRE DNBLAST

Motor Data		
	Design	Actual
Horsepower	0.33	0.33
Motor Rpm	1725	1725
Phase	1	1
Voltage (rated)	115	120
Amperage (rated)	-	7.2

Test Data		
	Design	Actual
CFM	2500	2466
RL Voltage	115	120
RL Amperage	7.2	5.8
Suction ESP	-	-0.32
Discharge ESP	-	Atm
Total ESP	0.3	0.32



National TAB

Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: FAN - Exhaust

Asset: EF-R25

AREA:172 ELECTRICAL

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	GB-180-3
Serial Num	-	
Type	CRE DNBLAST	CRE DNBLAST

Motor Data		
	Design	Actual
Horsepower	0.33	0.33
Motor Rpm	1725	1725
Phase	1	1
Voltage (rated)	115	120
Amperage (rated)	-	7.2

Test Data		
	Design	Actual
CFM	2500	2432
RL Voltage	115	120
RL Amperage	7.2	5.8
Suction ESP	-	-0.37
Discharge ESP	-	Atm
Total ESP	0.3	0.37



National TAB

Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: FAN - Exhaust

Asset: EF-R02

AREA:109 MECHANICAL

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	GB-180-3
Serial Num	-	
Type	CRE DNBLAST	CRE DNBLAST

Motor Data		
	Design	Actual
Horsepower	0.33	0.33
Motor Rpm	1725	1725
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	7.2
Service Factor	-	

Test Data		
	Design	Actual
CFM	2500	2398
RL Voltage	115	120
RL Amperage	7.2	6.0
Suction ESP	-	-0.4
Discharge ESP	-	ATM
Total ESP	0.3	0.4



National TAB

Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: FAN - Exhaust

Asset: EF-R03

AREA:109 MECHANICAL

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	GB-180-3
Serial Num	-	
Type	CRE DNBLAST	CRE DNBLAST

Motor Data		
	Design	Actual
Horsepower	0.33	0.33
Motor Rpm	1725	1725
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	7.2

Test Data		
	Design	Actual
CFM	2500	2483
RL Voltage	115	121
RL Amperage	7.2	5.5
Suction ESP	-	-0.57
Discharge ESP	-	Atm
Total ESP	0.3	0.57



National TAB
Project: DHL CVG Hangar (Erlanger, KY)
System/Unit: FAN - Exhaust

Asset: EF-R04 AREA:111 FIRE PUMP

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	GB-180-3
Serial Num	-	
Type	CRE DNBLAST	CRE DNBLAST

Motor Data		
	Design	Actual
Horsepower	0.33	0.33
Motor Rpm	1725	1725
Phase	1	1
Voltage (rated)	115	120
Amperage (rated)	-	7.2

Test Data		
	Design	Actual
CFM	2500	2494
RL Voltage	115	119
RL Amperage	7.2	6.2
Suction ESP	-	-0.38
Discharge ESP	-	Atm
Total ESP	0.3	0.38



National TAB

Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: FAN - Exhaust

Asset: EF-R06

AREA:112 ELECTRICAL

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	GB-180-3
Serial Num	-	
Type	CRE DNBLAST	CRE DNBLAST

Motor Data		
	Design	Actual
Horsepower	0.33	0.33
Motor Rpm	1725	1725
Phase	1	1
Voltage (rated)	115	120
Amperage (rated)	-	7.2

Test Data		
	Design	Actual
CFM	2500	2475
RL Voltage	115	120
RL Amperage	7.2	6.1
Suction ESP	-	-0.34
Discharge ESP	-	Atm
Total ESP	0.3	0.34



National TAB

Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: FAN - Exhaust

Asset: EF-R07

AREA:112 ELECTRICAL

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	GB-180-3
Serial Num	-	
Type	CRE DNBLAST	CRE DNBLAST

Motor Data		
	Design	Actual
Horsepower	0.33	0.33
Motor Rpm	1725	1725
Phase	1	1
Voltage (rated)	115	120
Amperage (rated)	-	7.2

Test Data		
	Design	Actual
CFM	2500	2318
RL Voltage	115	121
RL Amperage	7.2	6.3
Suction ESP	-	-0.55
Discharge ESP	-	Atm
Total ESP	0.3	0.55



National TAB

Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: FAN - Exhaust

Asset: EF-R08

AREA:139 ELEC

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	GB-100-4
Serial Num	-	25710987
Type	CRE DNBLAST	CRE DOWNBLAST

Motor Data		
	Design	Actual
Motor MFG	-	GREENHECK
Frame	-	48Y
Horsepower	0.25	0.25
Motor Rpm	1725	1725
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	4.6
Service Factor	-	1.35

Drive Data	
	Actual
Motor Sheave Size	VP25
Motor Bore Size	1/2"
Motor Sheave SetPt	4 out
Fan Sheave Size	AK46
Fan Sheave Bore	3/4"
Belt CL Distance	4-3/4"
Num of Belts	1
Belt Size	3L200R

Test Data		
	Design	Actual
CFM	330	346
RL Voltage	115	119
RL Amperage	4.6	4.2
Suction ESP	-	-0.46
Discharge ESP	-	atm
Total ESP	0.4	0.46



National TAB

Project:DHL CVG Hangar (Erlanger, KY)

FAN - Exhaust

Diffuser Ret/Exh (GRD)

EF-R08/139 ELEC

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	139 ELEC	EG-02	12X12	330		216		346	104.8
Total				330		216	0	346	104.85%



National TAB

Project: DHL CVG Hangar (Erlanger, KY)

System/Unit: FAN - Exhaust

Asset: EF-R09

AREA:176, 177 RESTROOMS

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	GB-100-4
Serial Num	-	
Type	CRE DNBLAST	CRE DNBLAST

Motor Data		
	Design	Actual
Horsepower	0.25	0.25
Motor Rpm	1725	1725
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	Actual
CFM	500	
Fan RPM	1042	
RL Voltage	115	
RL Amperage	5.8	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.4	
Brake Horse Power	-	



National TAB

Project:DHL CVG Hangar (Erlanger, KY)

FAN - Exhaust

Diffuser Ret/Exh (GRD)

EF-R09/176, 177 RESTROOMS

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	177 WOMEN RR	LE-01	6	70					-
EGRD2	177 WOMEN RR	LE-01	6	70					-
EGRD3	176 MENS RR	LE-01	6	70					-
EGRD4	176 MENS RR	LE-01	6	70					-
Total				280		0	0	0	0%