

HABCO

Healthy Air Balance Co. Inc.
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JOB NUMBER: Z2-98054

BALANCE REPORT FOR

JOB NAME: VA MEDICAL CENTER - AMBULATORY CARE
WILKES-BARRE, PA.

CONTRACTOR: BELL BCI COMPANY

ARCHITECT: VITETTA GROUP

ENGINEER: QUAD THREE GROUP, INC.

CERTIFICATION

6866

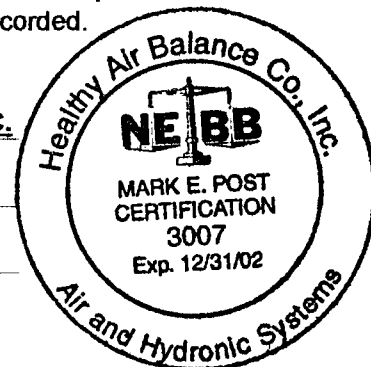
The system has been completely balanced in accordance with the plans and specifications and the results of the tests are herein recorded.

By: HEALTHY AIR BALANCE COMPANY INC.

Date: 12/8/00 - 3/5/01 - Rev. 6/28/01

Approved:

Mark E. Post



Only parts of the report that are relevant to the ICU are included

JOB NAME: VA MEDICAL CENTER - AMBULATORY CARE

SHEET NO. 2

ADDRESS: WILKES-BARRE, PA.

SYSTEM: 1 - AH - 3 & 1 - AH - 4

UNIT NO.	1 - AH - 3 Supply		1 - AH - 3 Return		1 - AH - 4 Supply		1 - AH - 4 Return	
LOCATION	3rd Floor Mech.		3rd Floor Mech.		3rd Floor Mech.		3rd Floor Mech.	
MANUFACTURER	York		York		York		York	
MODEL NO.	AP-215		AP-215		AP-250		AP-250	
SERIAL NO.	LGGM-01116C		CGGM-01116C		CGGM-01115C		CGGM-01115C	
Operating Conditions	Specified	Actual	Specified	Actual	Specified	Actual	Specified	Actual
Total CFM	9610	9660 [1]			(11,210 Req.) 11,060	11,659 [1]		
Return Air CFM	7903	7804	(7780 Req.) 8420	7804 [1]	9213	8620	(8650 Req.) 8390	8620 [1]
O.S.A. CFM	1707	1856	517		(2630 Req.) 1947	3039		
Total Static Pressure	5.49	4.60	2.48	2.13	6.21	4.62	2.56	1.79
Suction Pressure		2.47				2.27		1.63
Discharge Pressure		2.13		2.13		2.35		.16
Fan Sheave		4.6 x 2B x1 15/16		BK115 x1 7/16		7.0 x 2B x2 3/16		5.8 x 14B x1 11/16
Motor Sheave		6.2 x 2B x1 5/8		BK55 x1 3/8		8.6 x 2B x1 5/8		4.8 x 1B x1 3/8
No. Belts		2		1		2		1
Model No.		BX52		BX75		BP62		BX60
Motor Manufacturer		Magnetek		Marathon		Magnetek		Marathon
Hp	15	15	7.5	7.5	20	20	7.5	7.5
Voltage	460	460	460	460	460	460	460	460
Phase	3	3	3	3	3	3	3	3
RPM Motor	1800	1750	1800	1760	1800	1745	1800	1760
	Rated	Running	Rated	Running	Rated	Running	Rated	Running
Amperage	10.3	9.6 / 9.5 9.7	9.8	9.4 / 9.3 9.0	24.8	20.1 / 20.9 19.5	9.8	7.2 / 7.4 7.0
RPM Fan	2349	2360	813	901	2145	2127	1451	1463

REMARKS

[1] CFM obtained by duct traverse.

JOB NAME: VA MEDICAL CENTER - AMBULATORY CARE

SHEET NO. 29

ADDRESS: WILKES-BARRE, PA.

SYSTEM: 1 - AH - 4

Room No.	Outlet No.	Code	Size	Effective Area	Required		1st. Test Results		Final Results	
					F.P.M. Vel.	C.F.M.	F.P.M. Vel.	C.F.M.	F.P.M. Vel.	C.F.M.
1 - AH - 4 Supply										
A433	1	CD - 2	6"			110	Hood	315	Hood	110
A429	2	CD - 2	6"			100	Hood	290	Hood	100
						210		605		210
(1) 1 - RH11										
A421	3	CD - 2	6"			90	Hood	115	Hood	90
A421	4	CD - 1	12"			400	Hood	420	Hood	405
						490		535		495
(2) 1 - RH10										
A422	5	CD - 1	12"			400	Hood	490	Hood	400
						400		490		400
(3) 1 - RH5										
C4-15	6	CD - 1	10"			310	Hood	470	Hood	320
A439	7	CD - 2	6"			100	Hood	140	Hood	110
C4-15	8	CD - 1	10"			310	Hood	425	Hood	303
A437	9	CD - 2	6"			90	Hood	160	Hood	91
						810		1195		824
(4) 1 - RH9										
A423	10	CD - 1	12"			400	Hood	660	Hood	415
						400		660		415
(5) 1 - RH8										
A424	11	CD - 1	12"			400	Hood	560	Hood	400
						400		560		400
(6) 1 - RH7										
A425	12	CD - 1	12"			400	Hood	540	Hood	410
						400		540		410
(7) 1 - RH6										
A426	13	CD - 1	12"			400	Hood	430	Hood	390
						400		430		390

JOB NAME: VA MEDICAL CENTER - AMBULATORY CARE

SHEET NO. 30

ADDRESS: WILKES-BARRE, PA.

SYSTEM: 1 - AH - 4 CONT.

Room No.	Outlet No.	Code	Size	Effective Area	Required		1st. Test Results		Final Results	
					F.P.M. Vel.	C.F.M.	F.P.M. Vel.	C.F.M.	F.P.M. Vel.	C.F.M.
1 - AH - 4 Supply Cont.										
(8) 1 - RH12										
A420	14	CD - 2	6"			90	Hood	50	Hood	90
A420	15	CD - 1	12"			400	Hood	320	Hood	400
						490		370		490
(9) 1 - RH13										
A419	16	CD - 1	12"			400	Hood	560	Hood	410
						400		560		410
(10) 1 - RH14										
A418	17	CD - 1	12"			400	Hood	580	Hood	410
						400		580		410
(11) 1 - RH15										
A417	18	CD - 2	6"			130	Hood	120	Hood	120
A417	19	CD - 1	12"			400	Hood	520	Hood	395
						530		640		515
(12) 1 - RH16										
A416	20	CD - 2	6"			130	Hood	100	Hood	100
A416	21	CD - 1	12"			400	Hood	470	Hood	430 [1]
						530		570		530
(13) 1 - RH17										
A415	22	CD - 1	12"			420	Hood	580	Hood	425
						420		580		425
(14) 1 - RH18										
A414	23	CD - 1	12"			400	Hood	460	Hood	410
						400		460		410
Remark: [1] No manual damper.										

JOB NAME: VA MEDICAL CENTER - AMBULATORY CARE

SHEET NO. 33

ADDRESS: WILKES-BARRE, PA.

SYSTEM: 1 - AH - 4

Room No.	Outlet No.	Code	Size	Effective Area	Required		1st. Test Results		Final Results	
					F.P.M. Vel.	C.F.M.	F.P.M. Vel.	C.F.M.	F.P.M. Vel.	C.F.M.
1 - AH - 4 Return										
A426	1	RR - 1	10 x 10			340	Hood	340	Hood	340
A425	2	RR - 1	10 x 10			340		620		345
A424	3	RR - 1	10 x 10			340		540		335
A423	4	RR - 1	10"			350		450		335
A422	5	RR - 1	10"			350		350		360
A421A	6	RR - 1	10 x 10			340		360		350
A421	7	RR - 1	8"			150		190		150
C4-13	8	RR - 1	22 x 22			1140		320		990 [1]
A420	9	RR - 1	8"			150		80		140
A420A	10	RR - 1	10 x 10			340		250		320
A419	11	RR - 1	10"			350		200		340
C4-13	12	RR - 1	22 x 22			1150		420		1100
A418	13	RR - 1	10"			350		150		345
A417	14	RR - 1	6"			70		30		75
A416	15	RR - 1	6"			70		40		80
A415	16	RR - 1	10"			350	▼	120	▼	345
						6180		4460		5950
A437	17	RR - 1	6"			90	Hood	240	Hood	85
A432	18	RR - 1	8"			260		410		255
C4-1	19	RR - 1	8"			150		310		150
A434	20	RR - 1	8"			120		375		125
C4-6	21	RR - 1	12"			450		560		445
A427	22	RR - 1	8"			160		200		155
C-417A	23	RR - 1	6"			80		50		75
A407	24	RR - 1	8"			150		195		150
A410	25	RR - 1	10"			270		315		265
A408	26	RR - 1	6"			90		50		90
A411	27	RR - 1	10"			290		250		300
A412	28	RR - 1	10"			290	▼	20		290
A416	29	RR - 1	6"			70			▼	72
						2470		2975		2457
Total						8650		7435		8407
Remark: [1] Maximum CFM obtainable. Duct size may need to be increased.										

