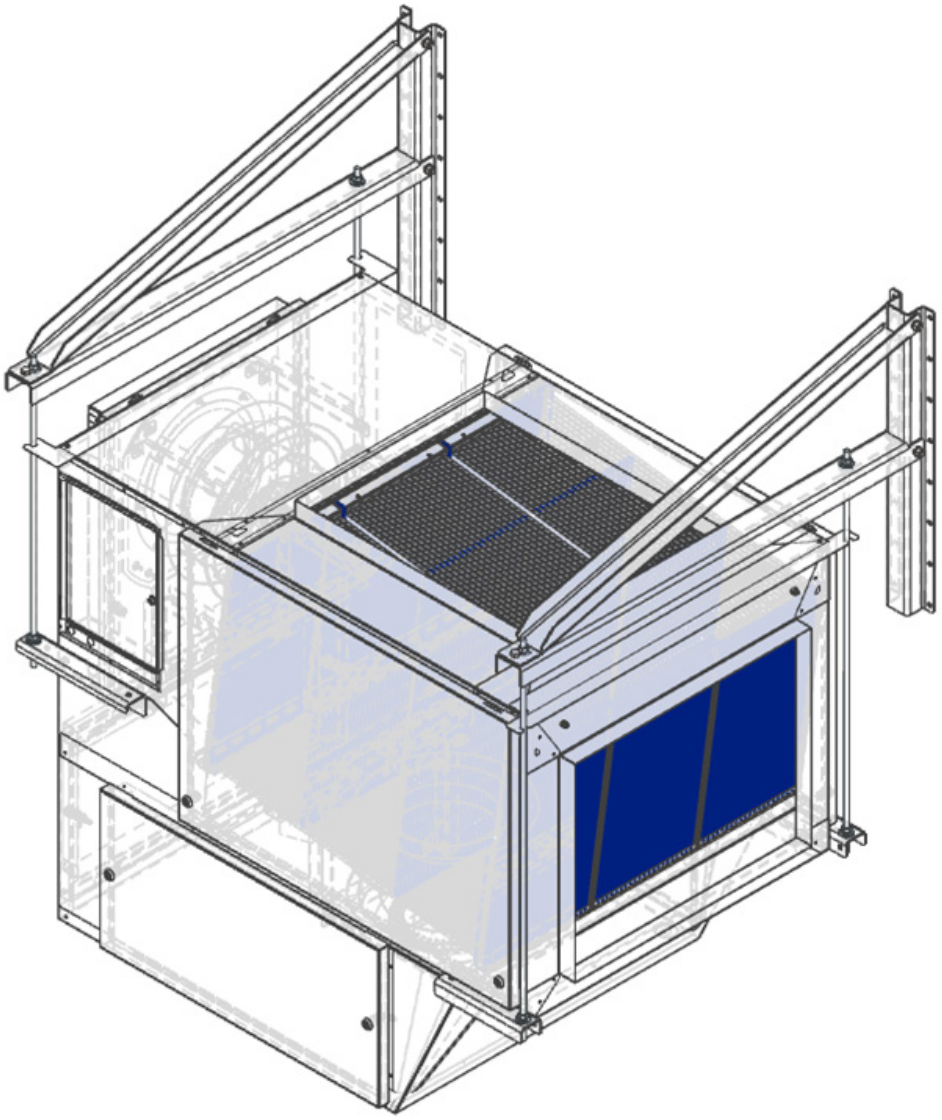


BA-HRV SERIES

Better Air Heat Exchanger System
Technical Manual

Read and Save Manual for Further Reference

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WARRANTY

Better Air MFG warrants to the original purchaser that its industrial ventilation products, including fans, heat recovery ventilators, ductwork, controls, and associated components (hereafter referred to as “Products”). will be free from defects in materials and workmanship under normal use and service for a period of one year from the date of purchase. During the warranty period, If any defect arises in the materials or workmanship of the Products, Better Air MFG will, at its option, either repair or replace the defective part or product without charge, excluding transportation costs.

This warranty does not cover damage, or defects caused by;

1. Improper installation, misuse, or neglect
2. Accident, fire, flood, or other acts of nature.
3. Unauthorized modifications or repairs.
4. Failure to perform routine maintenance as outlined in the product manual.

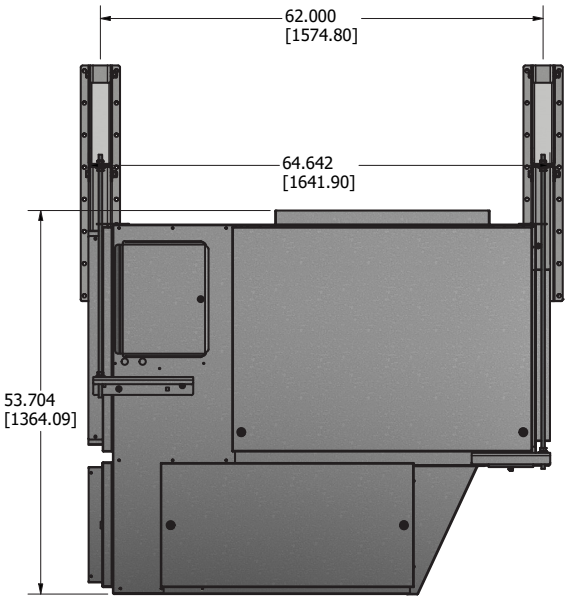
To obtain warranty service, the original purchaser must promptly notify Better Air MFG in writing of any claimed defect and provide proof of purchase. Upon receiving notice of a defect Better Air MFG may require the return of the defective product or part for inspection, EXCEPT AS EXPRESSLY SET FORTH HEREIN, BETTER AIR MFG MAKES NO OTHER WARRANTIES. EXPRESS OR IMPLIED. INCLUDING WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

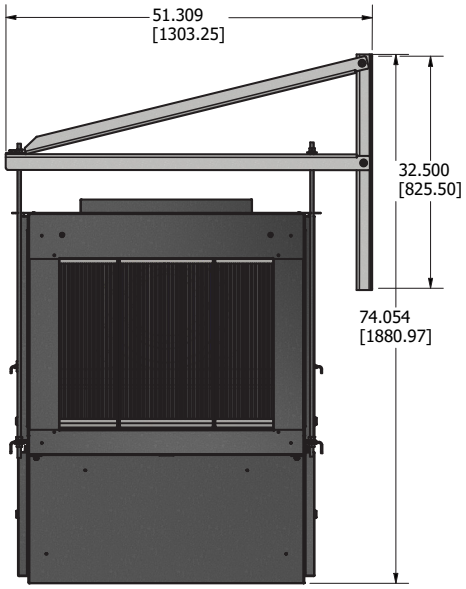
In no event shall Better Air MFG be liable for any incidental, consequential, or special damages arising out of or in connection with the use or performance of its products, even if Better Air MFG has been advised of the possibility of such damages.

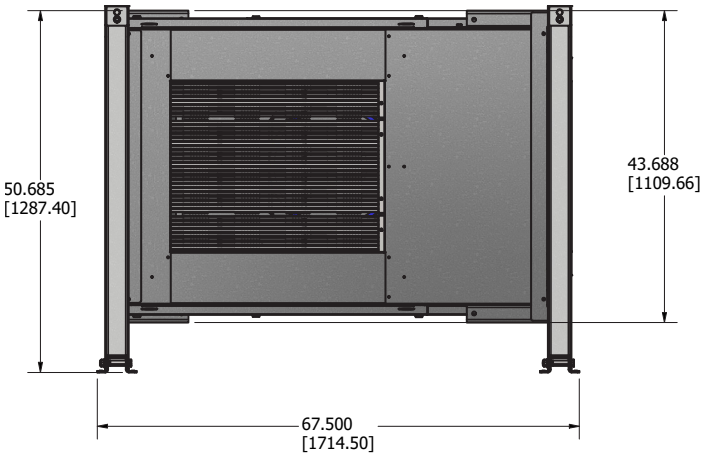
This warranty gives you specific legal rights, and you may also have other rights that vary from region to region or country to country. This warranty Is void if the product is not used for the purpose intended. For warranty inquiries or to initiate a warranty claim, please contact:

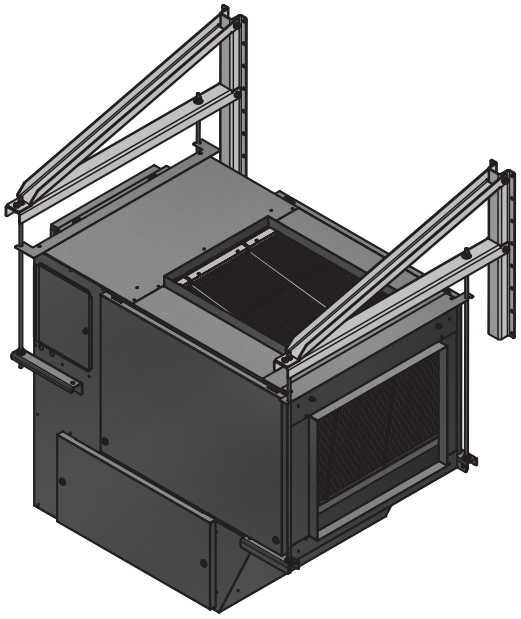
Better Air MFG
Box 490 MacGregor MB
204.2522333

BA-HRV-50 PHYSICAL SPECIFICATIONS



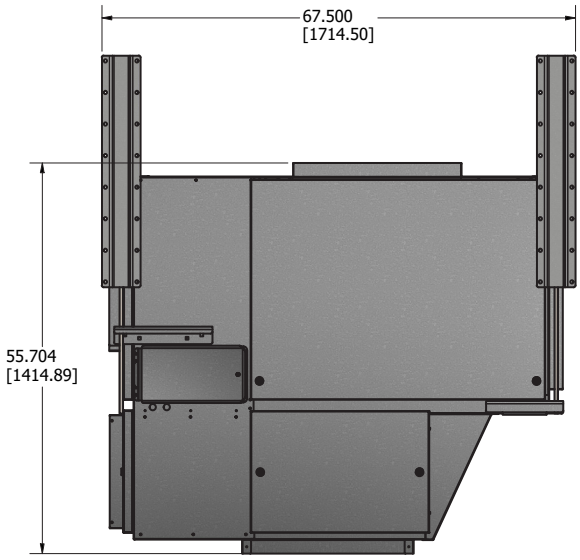


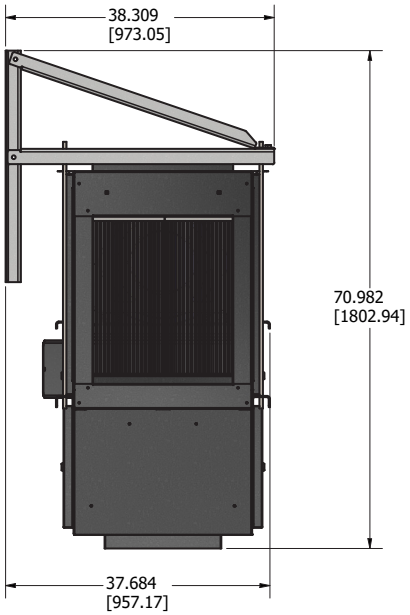


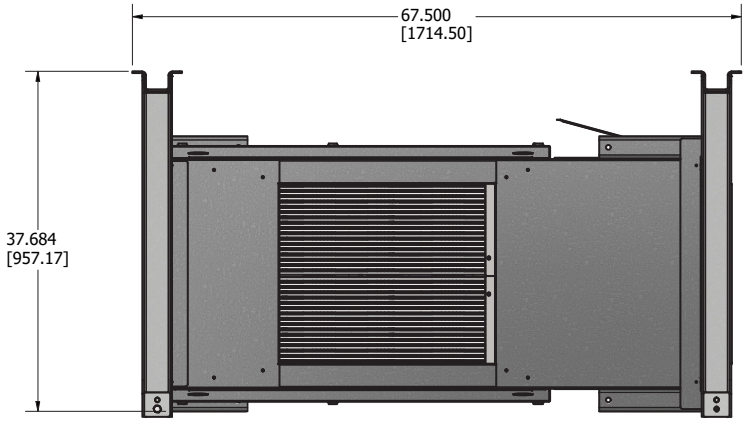


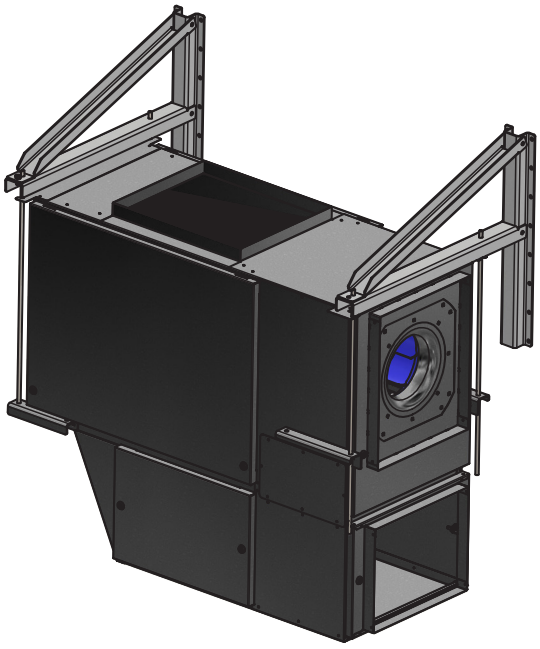
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770 lbs

BA-HRV-40 PHYSICAL SPECIFICATIONS



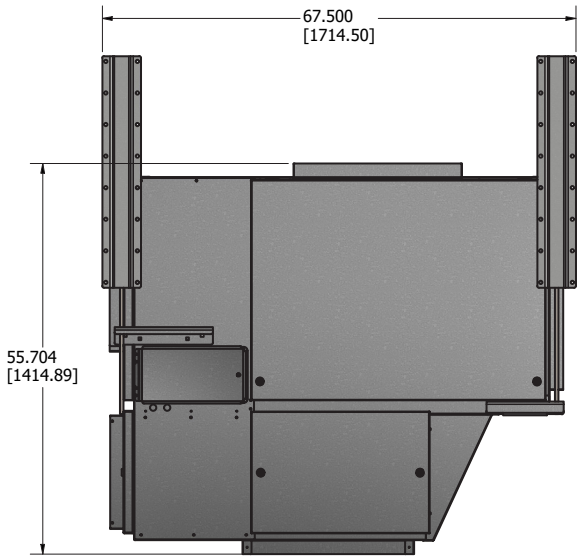


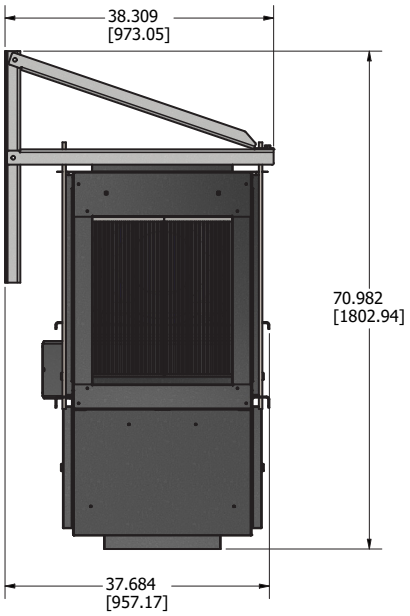


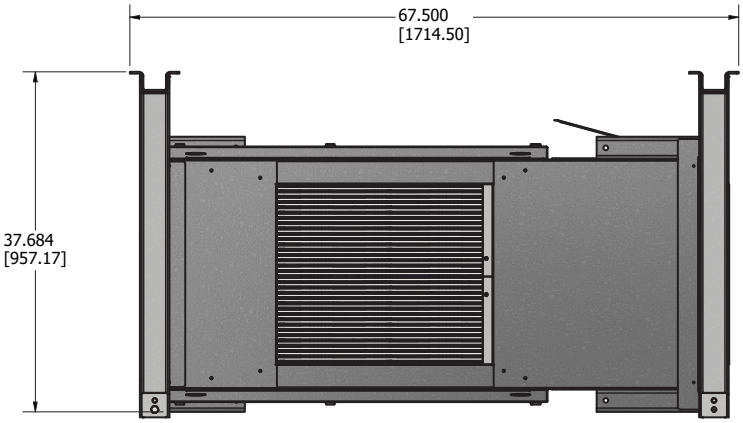


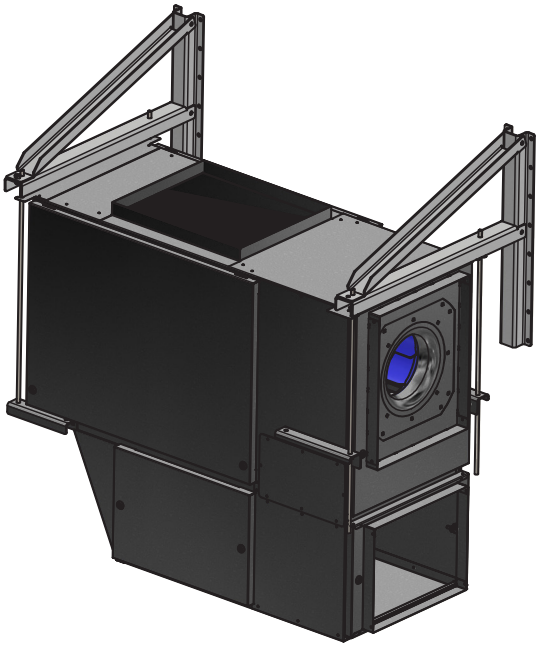
Shipping Weight:
575 lbs

BA-HRV-35 PHYSICAL SPECIFICATIONS



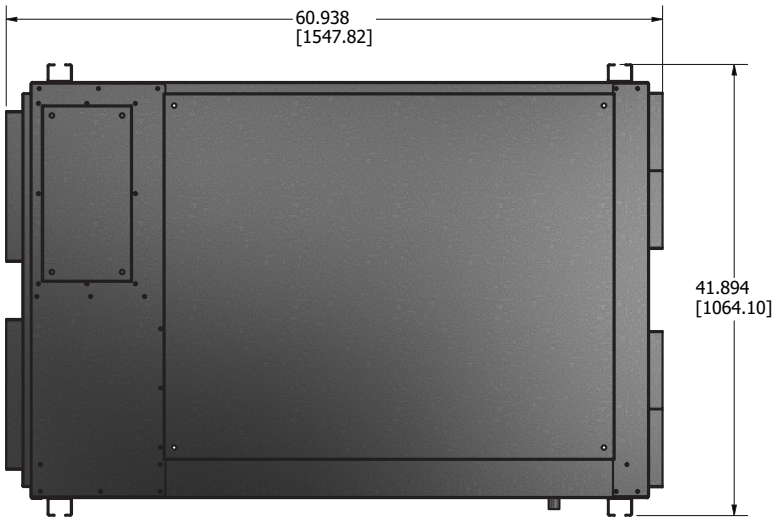


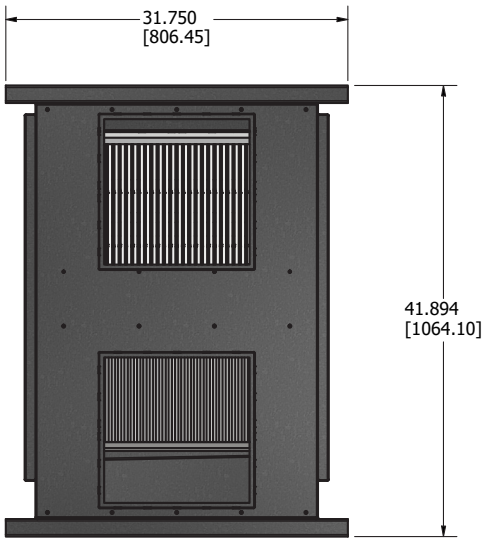


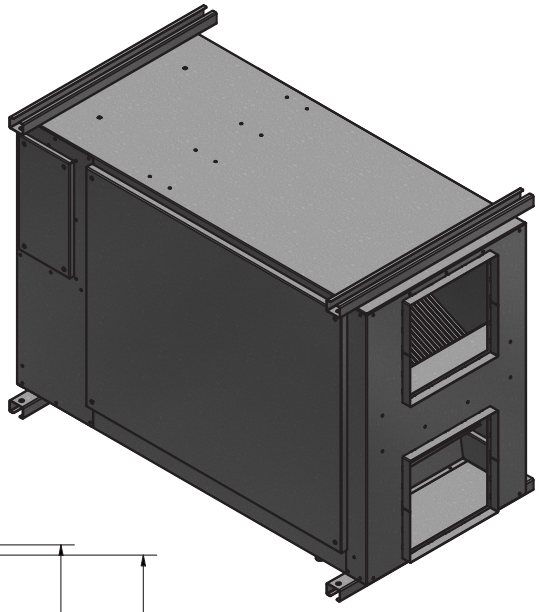


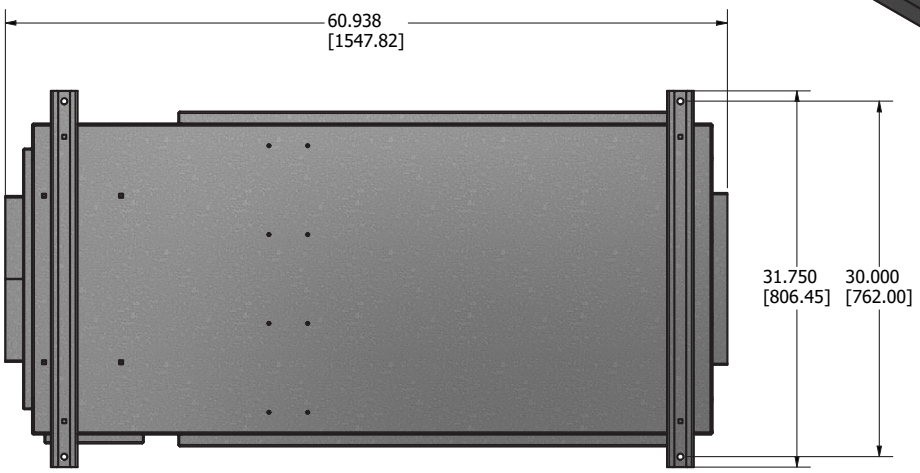
Shipping Weight:
575 lbs

BA-HRV-22 PHYSICAL SPECIFICATIONS









Shipping Weight:
350 lbs

BA-HRV-50 INTAKE AIRFLOW TEST

University of Illinois Department of Agricultural and Biological Engineering
Bioenvironmental and Structural Systems Lab
Final Report

Project Number: 19400
Test Date: June 20, 2019

Heat Recovery Ventilator:
Make- *Better Air*
Model- *BA-HRV-50 (intake)*
Type- *Commercial HRV unit*
Orifice dia.- *9.8"*

Blade/Wheel:
Number- *7*
Shape- *back inclined centrifugal*
Material- *fiber reinforced*
diameter- *350 mm*
clearance- -

Motor:
Make- *Ziehl-Abegg*
Model- *Part 114877*
Hp- *3.0 kW*
RPM- *2590*
Volts- *200-240*
Amps- *9.0-7.6*
Hz- *50 / 60*
Phase- *3*
S. F.- -

Housing:
Material- *galvanized steel*
Intake area- *24" x 30"*
Discharge- *24" x 30"*
Depth- *65"*

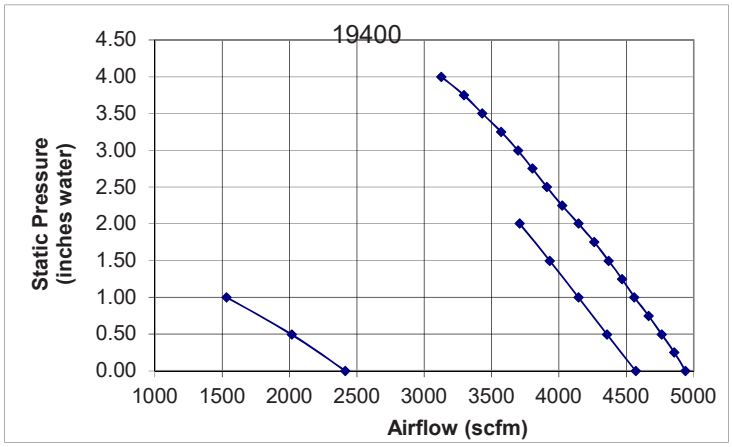
Guards:
Description- *none*
Spacing- -
Location- -

Notes:

Test Conditions:

T(wb):	66	Barometric pressure, recorded	29.1
T(db):	76.5	Barometric Pressure, corrected	28.97

Corrected to Standard Air (0.075lb/ft^3)			
Static Pressure (in.H2O)	**Airflow (cfm)**	**Watts**	**Test Speed rpm**
Full speed -100%			
0.00	**4939**	2188	2582
0.25	**4856**	2278	2582
0.50	**4762**	2362	2581
0.75	**4666**	2445	2581
1.00	**4559**	2517	2581
1.25	**4469**	2589	2582
1.50	**4367**	2650	2582
1.75	**4262**	2715	2581
2.00	**4144**	2783	2582
2.25	**4024**	2831	2582
2.50	**3909**	2903	2582
2.75	**3803**	2958	2581
3.00	**3695**	3013	2582
3.25	**3571**	3062	2582
3.50	**3429**	3097	2582
3.75	**3295**	3126	2582
4.00	**3126**	3141	2582
90 % setting			
0.00	**4569**	1716	2383
0.50	**4356**	1876	2383
1.00	**4144**	2006	2383
1.50	**3932**	2119	2383
2.00	**3707**	2230	2384
50% setting			
0.00	**2414**	284	1266
0.50	**2016**	341	1266
1.00	**1533**	378	1266
100% 1 opening			
0.00	**4837**	2275	2570



BA-HRV-50 EXHAUST AIRFLOW TEST

University of Illinois Department of Agricultural and Biological Engineering
Bioenvironmental and Structural Systems Lab
Final Report

Project Number: 19393
Test Date: June 19, 2019

Heat Recovery Ventilator:
Make- *Better Air*
Model- *BA-HRV-50 (exhaust)*
Type- *Commercial HRV unit*
Orifice dia.- *9.8"*

Blade/Wheel:
Number- *7*
Shape- *back inclined centrifugal*
Material- *fiber reinforced*
diameter- *400 mm*
clearance- -

Motor:
Make- *Ziehl-Abegg*
Model- *Part 114877*
Hp- *3.0 kW*
RPM- *2590*
Volts- *200-240*
Amps- *9.0-7.6*
Hz- *50 / 60*
Phase- *3*
S. F.- -

Housing:
Material- *galvanized steel*
Intake area- *24" x 30"*
Discharge- *24" x 30"*
Depth- *65"*

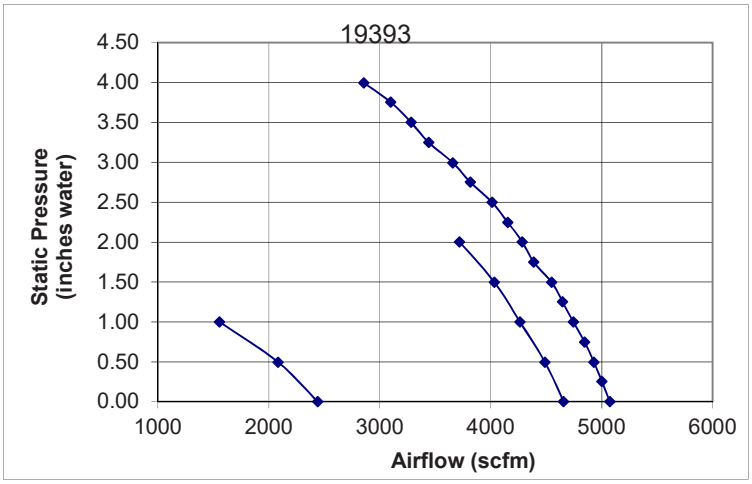
Guards:
Description- *none*
Spacing- -
Location- -

Notes:

Test Conditions:

T(wb):	66.5	Barometric pressure, recorded	29.14
T(db):	77	Barometric Pressure, corrected	29.01

Corrected to Standard Air (0.075lb/ft^3)			
Static Pressure (in.H2O)	**Airflow (cfm)**	**Watts**	**Test Speed rpm**
Full speed -100%			
0.00	**5073**	2157	2595
0.25	**5002**	2234	-
0.50	**4929**	2298	-
0.75	**4846**	2377	-
1.00	**4743**	2453	-
1.25	**4647**	2510	-
1.50	**4548**	2580	-
1.75	**4387**	2628	-
2.00	**4283**	2689	-
2.25	**4154**	2738	-
2.50	**4011**	2797	-
2.75	**3815**	2836	-
3.00	**3658**	2870	-
3.25	**3442**	2897	-
3.50	**3281**	2911	-
3.75	**3098**	2974	-
4.00	**2855**	2978	-
90 % setting			
0.00	**4656**	1708	2395
0.50	**4489**	1840	-
1.00	**4262**	1964	-
1.50	**4033**	2062	-
2.00	**3719**	2148	-
50% setting			
0.00	**2439**	287	1271
0.50	**2084**	342	-
1.00	**1555**	378	-



BA-HRV-40 INTAKE AIRFLOW TEST

University of Illinois Department of Agricultural and Biological Engineering
Bioenvironmental and Structural Systems Lab
Final Report

Project Number: 19405
Test Date: June 20, 2019

Heat Recovery Ventilator:
Make- *Better Air*
Model- *BA-HRV-40 (intake)*
Type- *Commercial HRV unit*
Orifice dia.- *8.5"*

Blade/Wheel:
Number- *7*
Shape- *back inclined centrifugal*
Material- *fiber reinforced*
diameter- *350 mm*
clearance- -

Motor:
Make- *Ziehl-Abegg*
Model- *Part 114869*
Hp- *2.70 kW*
RPM- *3060*
Volts- *200-240*
Amps- *8.6-7.2*
Hz- *50 / 60*
Phase- *3*
S. F.- -

Housing:
Material- *galvanized steel*
Intake area- *20" x 24"*
Discharge- *20" x 24"*
Depth- *62"*

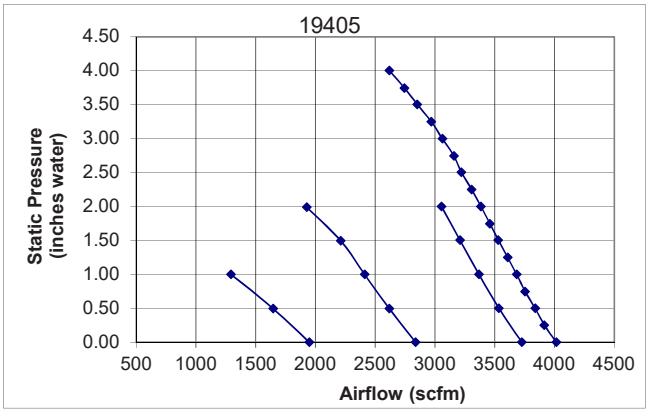
Guards:
Description- *none*
Spacing- -
Location- -

Notes:

Test Conditions:

T(wb):	65	Barometric pressure, recorded	29.13
T(db):	76	Barometric Pressure, corrected	29.01

Corrected to Standard Air (0.075lb/ft^3)			
Static Pressure (in.H2O)	**Airflow (cfm)**	**Watts**	**Test Speed rpm**
Full speed -100%			
0.00	**4016**	2191	3067
0.25	**3915**	2249	3067
0.50	**3838**	2302	3067
0.75	**3754**	2366	3067
1.00	**3684**	2424	3067
1.25	**3608**	2472	3067
1.50	**3529**	2532	3067
1.75	**3460**	2586	3067
2.00	**3385**	2648	3067
2.25	**3307**	2700	3067
2.50	**3221**	2761	3067
2.75	**3158**	2810	3067
3.00	**3062**	2854	3067
3.25	**2969**	2887	3067
3.50	**2852**	2902	3067
3.75	**2745**	2908	3067
4.00	**2619**	2917	3067
90 % setting			
0.00	**3727**	1739	2841
0.50	**3535**	1838	2841
1.00	**3367**	1940	2841
1.50	**3209**	2041	2841
2.00	**3055**	2137	2841
70% setting			
0.00	**2838**	787	2174
0.49	**2618**	857	2175
1.00	**2411**	927	2174
1.49	**2212**	992	2174
1.99	**1927**	1019	2174
50% setting			
0.00	**1948**	284	1506
0.49	**1647**	321	1507
1.00	**1294**	358	1507
94% setting			
0.00	**3976**	2137	3034



BA-HRV-40 EXHAUST AIRFLOW TEST

University of Illinois Department of Agricultural and Biological Engineering
Bioenvironmental and Structural Systems Lab
Final Report

Project Number: 19402
Test Date: June 20, 2019

Heat Recovery Ventilator:
Make- *Better Air*
Model- *BA-HRV-40 (exhaust)*
Type- *Commercial HRV unit*
Orifice dia.- *8.5"*

Blade/Wheel:
Number- *7*
Shape- *back inclined centrifugal*
Material- *fiber reinforced*
diameter- *350 mm*
clearance- -

Motor:
Make- *Ziehl-Abegg*
Model- *Part 114869*
Hp- *2.70 kW*
RPM- *3060*
Volts- *200-240*
Amps- *8.6-7.2*
Hz- *50 / 60*
Phase- *3*
S. F.- -

Housing:
Material- *galvanized steel*
Intake area- *20" x 24"*
Discharge- *20" x 24"*
Depth- *62"*

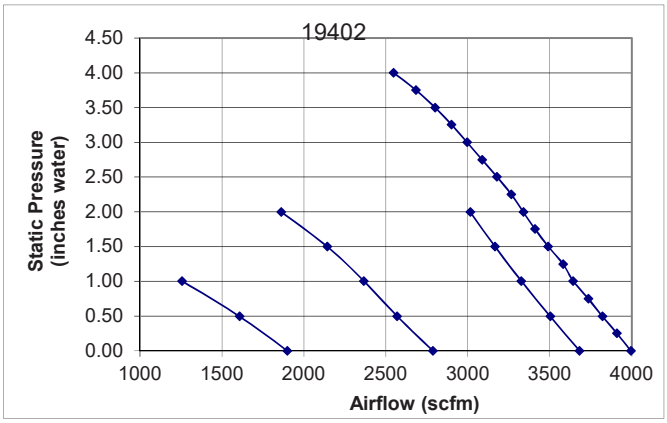
Guards:
Description- *none*
Spacing- -
Location- -

Notes:

Test Conditions:

T(wb):	66.5	Barometric pressure, recorded	29.06
T(db):	76.5	Barometric Pressure, corrected	28.93

Corrected to Standard Air (0.075lb/ft^3)			
Static Pressure (in.H2O)	**Airflow (cfm)**	**Watts**	**Test Speed rpm**
Full speed -100%			
0.00	**3994**	1925	3068
0.25	**3908**	1975	-
0.50	**3820**	2022	-
0.75	**3735**	2075	-
1.00	**3642**	2123	-
1.25	**3581**	2166	-
1.50	**3490**	2220	-
1.75	**3409**	2279	-
2.00	**3338**	2345	-
2.25	**3265**	2409	-
2.50	**3177**	2468	-
2.75	**3088**	2517	-
3.00	**2995**	2569	-
3.25	**2900**	2612	-
3.50	**2801**	2653	-
3.75	**2684**	2697	-
4.00	**2547**	2696	-
90 % setting			
0.00	**3681**	1507	2827
0.50	**3502**	1594	-
1.00	**3326**	1684	-
1.50	**3165**	1794	-
2.00	**3015**	1906	-
70% setting			
0.00	**2787**	694	2165
0.50	**2569**	764	-
1.00	**2366**	839	-
1.50	**2143**	905	-
2.00	**1862**	942	-
50% setting			
0.00	**1899**	251	1501
0.50	**1608**	304	-
1.00	**1257**	341	-



BA-HRV-35 INTAKE AIRFLOW TEST

University of Illinois Department of Agricultural and Biological Engineering
Bioenvironmental and Structural Systems Lab
Final Report

Project Number: 19404
Test Date: June 20, 2019

Heat Recovery Ventilator:
Make- *Better Air*
Model- *BA-HRV-35 (intake)*
Type- *Commercial HRV unit*
Orifice dia.- *8.5"*

Blade/Wheel:
Number- *7*
Shape- *back inclined centrifugal*
Material- *fiber reinforced*
diameter- *350 mm*
clearance- -

Motor:
Make- *Ziehl-Abegg*
Model- *Part 114498*
Hp- *1.9 kW*
RPM- *2720*
Volts- *200-240*
Amps- *5.8-4.8*
Hz- *50 / 60*
Phase- *3*
S. F.- -

Housing:
Material- *galvanized steel*
Intake area- *20" x 24"*
Discharge- *20" x 24"*
Depth- *62"*

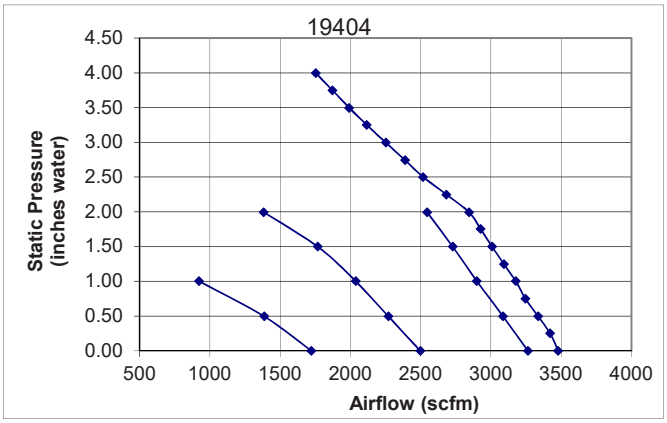
Guards:
Description- *none*
Spacing- -
Location- -

Notes:

Test Conditions:

T(wb):	66	Barometric pressure, recorded	29.1
T(db):	77	Barometric Pressure, corrected	28.97

Corrected to Standard Air (0.075lb/ft^3)			
Static Pressure (in.H2O)	**Airflow (cfm)**	**Watts**	**Test Speed rpm**
Full speed -100%			
0.00	**3478**	1520	2709
0.25	**3420**	1549	2709
0.50	**3336**	1600	2710
0.75	**3245**	1660	2710
1.00	**3176**	1704	2709
1.25	**3093**	1753	2710
1.50	**3007**	1801	2710
1.75	**2926**	1844	2710
2.00	**2843**	1882	2706
2.25	**2683**	1861	2674
2.50	**2517**	1847	2649
2.75	**2388**	1842	2637
3.00	**2251**	1832	2632
3.25	**2116**	1829	2630
3.49	**1991**	1833	2634
3.75	**1872**	1842	2709
4.00	**1753**	1520	2709
90 % setting			
0.00	**3263**	1218	2519
0.50	**3086**	1303	2519
1.00	**2899**	1397	2519
1.50	**2727**	1479	2519
2.00	**2545**	1553	2519
70% setting			
0.00	**2497**	564	1930
0.50	**2270**	625	1930
1.00	**2037**	689	1930
1.50	**1767**	729	1930
2.00	**1382**	730	1930
50% setting			
0.00	**1721**	211	1339
0.50	**1386**	248	1338
1.00	**923**	266	1338



BA-HRV-35 EXHAUST AIRFLOW TEST

University of Illinois Department of Agricultural and Biological Engineering
Bioenvironmental and Structural Systems Lab
Final Report

Project Number: 19403
Test Date: June 20, 2019

Heat Recovery Ventilator:
Make- *Better Air*
Model- *BA-HRV-35 (exhaust)*
Type- *Commercial HRV unit*
Orifice dia.- *8.5"*

Blade/Wheel:
Number- *7*
Shape- *back inclined centrifugal*
Material- *fiber reinforced*
diameter- *350 mm*
clearance- -

Motor:
Make- *Ziehl-Abegg*
Model- *Part 114498*
Hp- *1.9 kW*
RPM- *2720*
Volts- *200-240*
Amps- *5.8-4.8*
Hz- *50 / 60*
Phase- *3*
S. F.- -

Housing:
Material- *galvanized steel*
Intake area- *20" x 24"*
Discharge- *20" x 24"*
Depth- *62"*

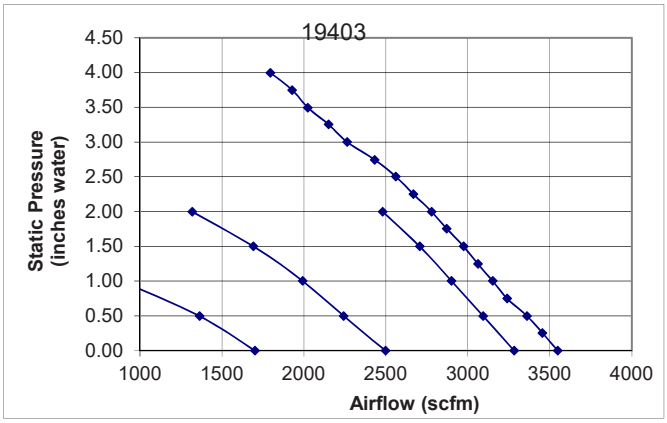
Guards:
Description- *none*
Spacing- -
Location- -

Notes:

Test Conditions:

T(wb):	66	Barometric pressure, recorded	29.09
T(db):	77	Barometric Pressure, corrected	28.96

Corrected to Standard Air (0.075lb/ft^3)			
Static Pressure (in.H2O)	**Airflow (cfm)**	**Watts**	**Test Speed rpm**
Full speed -100%			
0.00	**3547**	1356	2712
0.25	**3455**	1401	-
0.50	**3361**	1430	-
0.75	**3239**	1485	-
1.00	**3151**	1525	-
1.25	**3061**	1566	-
1.50	**2974**	1613	-
1.75	**2871**	1665	-
2.00	**2779**	1702	-
2.25	**2668**	1742	-
2.50	**2561**	1774	-
2.75	**2432**	1807	-
3.00	**2264**	1831	-
3.25	**2151**	1858	-
3.50	**2024**	1872	-
3.75	**1928**	1878	-
4.00	**1796**	1885	-
90 % setting			
0.00	**3282**	1088	2505
0.50	**3094**	1166	-
1.00	**2899**	1245	-
1.50	**2706**	1334	-
2.00	**2481**	1405	-
70% setting			
0.00	**2497**	508	1922
0.50	**2243**	566	-
1.00	**1992**	631	-
1.50	**1692**	675	-
2.00	**1320**	694	-
50% setting			
0.00	**1701**	193	1331
0.50	**1364**	230	-
1.00	**888**	248	-



BA-HRV-22 INTAKE AIRFLOW TEST

University of Illinois Department of Agricultural and Biological Engineering
Bioenvironmental and Structural Systems Lab
Final Report

Project Number: 24209
Test Date: April 10, 2024

Fan:
Make- *Better Air*
Model- *HRV 2500 Supply fan*
Blade dia.- -
Orifice dia.- -

Wheel:
Number- *7*
Shape- *inline centrifugal*
Material- *fiberglass*

Drive Sheaves:
Drive dia.- *direc*
Axle dia.- *drive*

Motor:
Make- *Ziehl-Abegg*
Model- *E213826ZB-155*
Hp- *1.44 kW*
RPM- -
Volts- *200 - 277*
Amps- *5.2*
Hz- *50 / 60*
Phase- *1*
S. F.- -

Housing:
Material- *galvanized steel*
Intake area- *14" x 14"*
Discharge- *14" x 14"*
Depth- *61"*

Shutter:
Material- *none*
Doors- -
Columns- -
Door length -
Location- -

Guards:
Description- *none*
Spacing- -
Location- -

Discharge Cone:
Depth- *none*
Minor dia.- -
Major dia.- -

Notes: *Heat Recovery Ventilator*

Test Conditions:
T(wb) F: 57.3
T(db) F: 73.6
Barometric Pressure 29.12 (In. Hg)

Static Pressure (in.H2O)	Airflow (cfm)	rpm	Volts	Amps	Watts	cfm/Watt	SI Units Static Pressure (Pa)	Airflow (m^3/hr.)	(m^3/hr)/W	W/1000m^3/hr
100 % speed										
0.00	**2230**	2918	229.6	5.25	1188	**1.9**	0	3800	3.2	314
0.25	**2150**		229.6	5.32	1210	**1.8**	62	3700	3	331
0.50	**2070**		229.5	5.41	1233	**1.7**	125	3500	2.9	350
0.75	**2020**		228.7	5.54	1258	**1.6**	187	3400	2.7	367
1.00	**1960**		229.0	5.63	1280	**1.5**	249	3300	2.6	385
1.25	**1900**		229.0	5.73	1299	**1.5**	311	3200	2.5	402
1.50	**1830**		229.2	5.81	1322	**1.4**	374	3100	2.3	426
1.75	**1750**		229.0	5.89	1338	**1.3**	436	3000	2.2	450
2.00	**1670**		229.9	5.92	1350	**1.2**	498	2800	2.1	476
2.50	**1460**		229.8	5.96	1358	**1.1**	623	2500	1.8	547
3.00	**1220**		229.9	5.84	1330	**0.9**	747	2100	1.6	641
3.50	**900**		230.2	5.55	1265	**0.7**	872	1500	1.2	825
3.75	**730**		230.1	5.27	1199	**0.6**	934	1200	1	963
90 % speed										
0.00	**2000**	2630	230.4	3.95	882	**2.3**	0	3400	3.9	260
0.25	**1930**		230.5	4.01	898	**2.1**	62	3300	3.6	274
0.50	**1860**		230.4	4.10	921	**2.0**	125	3200	3.4	292
0.75	**1790**		230.5	4.18	940	**1.9**	187	3000	3.2	309
1.00	**1730**		230.4	4.27	963	**1.8**	249	2900	3	328
1.25	**1650**		230.3	4.31	970	**1.7**	311	2800	2.9	346
1.50	**1550**		230.4	4.41	995	**1.6**	374	2600	2.6	378
1.75	**1470**		229.8	4.44	1000	**1.5**	436	2500	2.5	401
2.00	**1340**		230.4	4.45	1005	**1.3**	498	2300	2.3	441
75% speed										
0.00	**1640**	2165	230.9	2.37	510	**3.2**	0	2800	5.5	183
0.25	**1560**		230.9	2.43	525	**3.0**	62	2600	5	198
0.50	**1480**		230.8	2.49	539	**2.7**	125	2500	4.7	214
0.75	**1390**		230.8	2.56	554	**2.5**	187	2400	4.3	235
1.00	**1290**		230.7	2.62	571	**2.3**	249	2200	3.9	260

BA-HRV-22 EXHAUST AIRFLOW TEST

University of Illinois Department of Agricultural and Biological Engineering
Bioenvironmental and Structural Systems Lab
Final Report

Project Number: 24210
Test Date: April 10, 2024

Fan:
Make- *Better Air*
Model- *HRV 2500 Exhaust fan*
Blade dia.- -
Orifice dia.- -

Wheel:
Number- *7*
Shape- *inline centrifugal*
Material- *fiberglass*

Drive Sheaves:
Drive dia.- *direc*
Axle dia.- *drive*

Motor:
Make- *Ziehl-Abegg*
Model- *E213826ZB-155*
Hp- *1.44 kW*
RPM- -
Volts- *200 - 277*
Amps- *5.2*
Hz- *50 / 60*
Phase- *1*
S. F.- -

Housing:
Material- *galvanized steel*
Intake area- *14" x 14"*
Discharge- *14" x 14"*
Depth- *61"*

Shutter:
Material- *none*
Doors- -
Columns- -
Door length -
Location- -

Guards:
Description- *none*
Spacing- -
Location- -

Discharge Cone:
Depth- *none*
Minor dia.- -
Major dia.- -

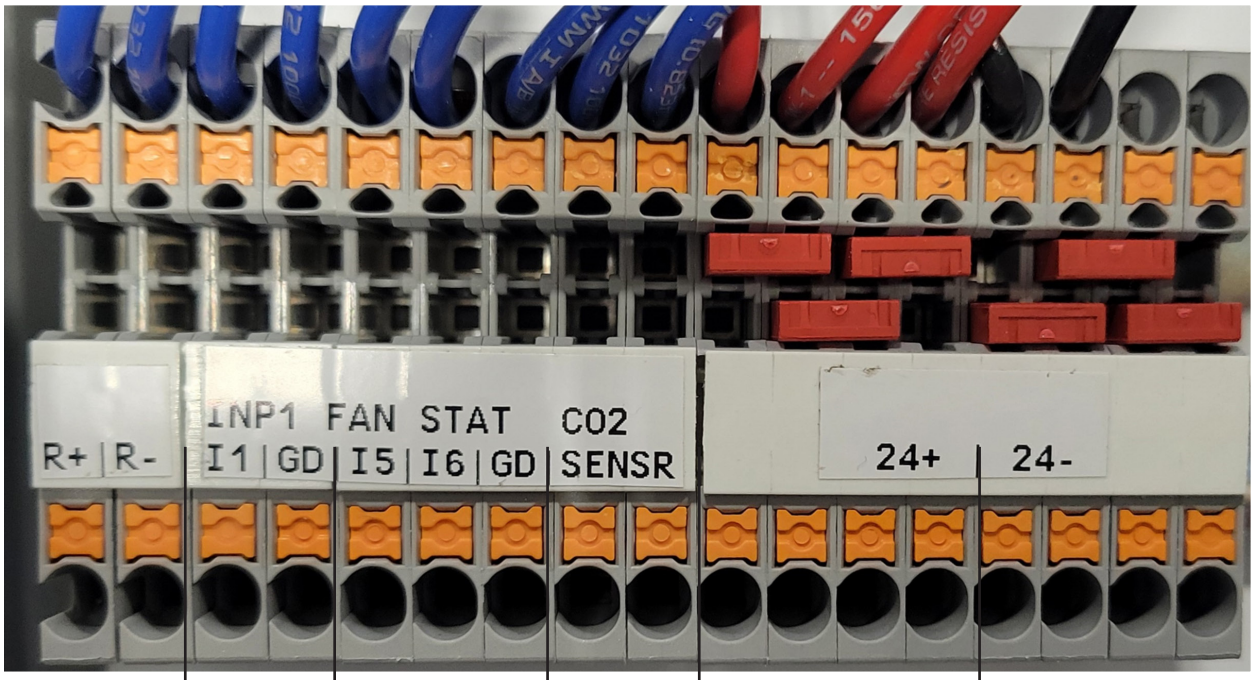
Notes: *Heat Recovery Ventilator*

Test Conditions:
T(wb) F: 57.7
T(db) F: 74.2
Barometric Pressure 29.10 (In. Hg)

Static Pressure (in.H2O)	Airflow (cfm)	rpm	Volts	Amps	Watts	cfm/Watt	SI Units Static Pressure (Pa)	Airflow (m^3/hr.)	(m^3/hr)/W	W/1000m^3/hr
100 % speed										
0.00	**2330**	2922	230.5	4.80	1094	**2.1**	0	4000	3.6	276
0.25	**2250**		230.4	4.92	1122	**2.0**	62	3800	3.4	294
0.50	**2150**		230.3	5.07	1156	**1.9**	125	3700	3.2	316
0.75	**2080**		230.3	5.16	1180	**1.8**	187	3500	3	334
1.00	**2000**		230.3	5.26	1202	**1.7**	249	3400	2.8	353
1.25	**1930**		229.8	5.39	1230	**1.6**	311	3300	2.7	376
1.50	**1830**		229.8	5.48	1249	**1.5**	374	3100	2.5	401
1.75	**1750**		229.8	5.55	1265	**1.4**	436	3000	2.4	425
2.00	**1650**		229.8	5.62	1283	**1.3**	498	2800	2.2	457
2.50	**1440**		229.8	5.78	1318	**1.1**	623	2400	1.9	539
3.00	**1220**		230.2	5.77	1318	**0.9**	747	2100	1.6	638
3.50	**940**		230.2	5.66	1292	**0.7**	872	1600	1.2	813
3.75	**800**		230.2	5.49	1253	**0.6**	934	1400	1.1	925
90 % speed										
0.00	**2110**	2686	230.8	3.73	845	**2.5**	0	3600	4.2	235
0.25	**2020**		230.4	3.85	873	**2.3**	62	3400	3.9	254
0.50	**1940**		230.3	3.96	898	**2.2**	125	3300	3.7	272
0.75	**1860**		230.3	4.08	927	**2.0**	187	3200	3.4	293
1.00	**1780**		230.4	4.17	948	**1.9**	249	3000	3.2	314
1.25	**1690**		230.3	4.26	970	**1.7**	311	2900	3	338
1.50	**1600**		230.3	4.35	992	**1.6**	374	2700	2.7	364
1.75	**1500**		230.0	4.41	1004	**1.5**	436	2600	2.5	393
2.00	**1380**		229.8	4.49	1021	**1.4**	498	2300	2.3	435
75% speed										
0.00	**1730**	2215	230.9	2.28	494	**3.5**	0	2900	6	168
0.25	**1630**		231.1	2.37	517	**3.1**	62	2800	5.4	187
0.50	**1530**		230.4	2.47	538	**2.8**	125	2600	4.8	207
0.75	**1410**		230.3	2.55	559	**2.5**	187	2400	4.3	233
1.00	**1310**		230.3	2.60	571	**2.3**	249	2200	3.9	256

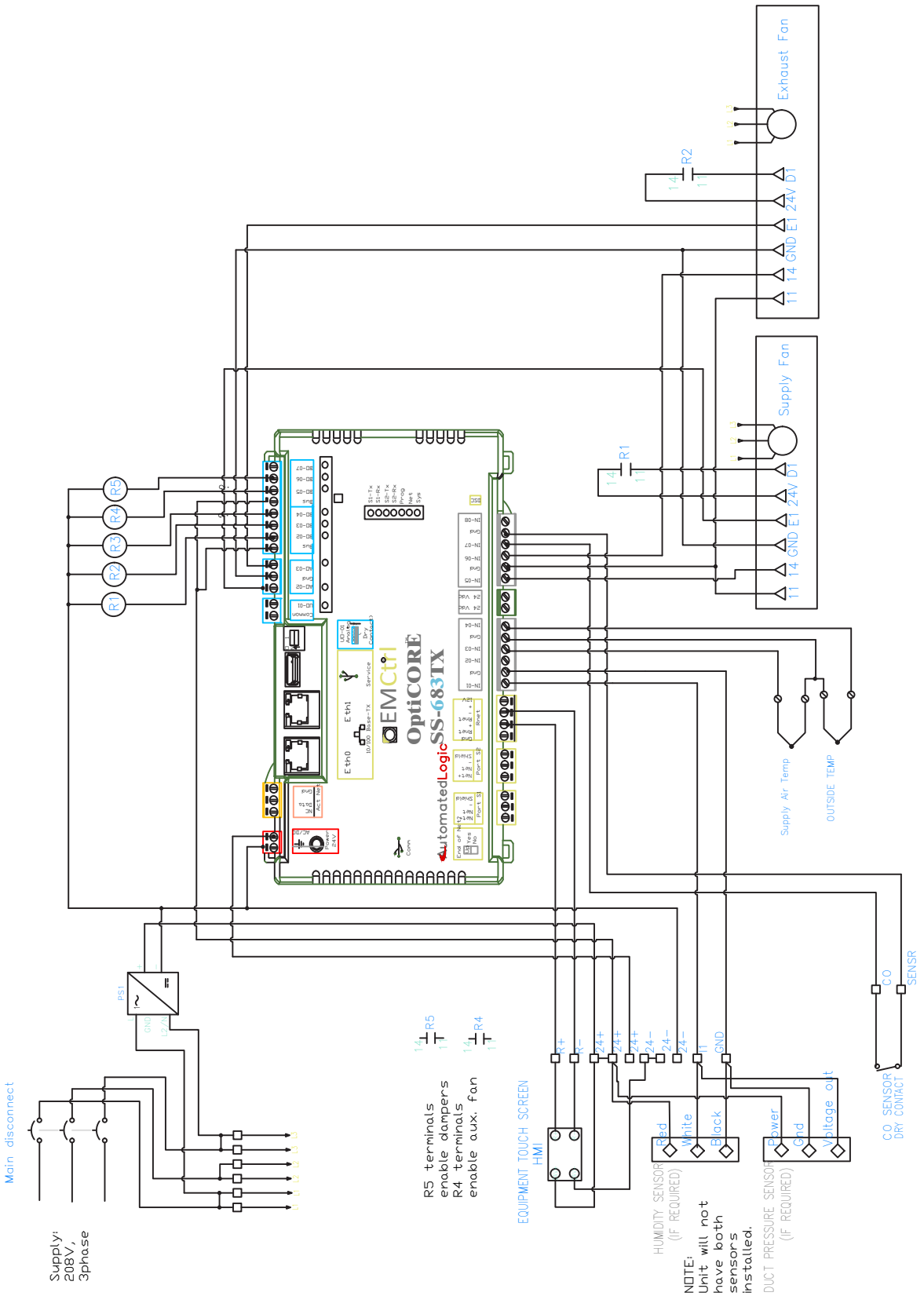
BA-HRV ELECTRICAL SPECIFICATIONS

	BA-HRV-50	BA-HRV-40	BA-HRV-35	BA-HRV-22
VOLTAGE	208	208	208	230
PHASE	3ph	3ph	3ph	1ph
AMPS	18.4	17.5	12.5	10.4

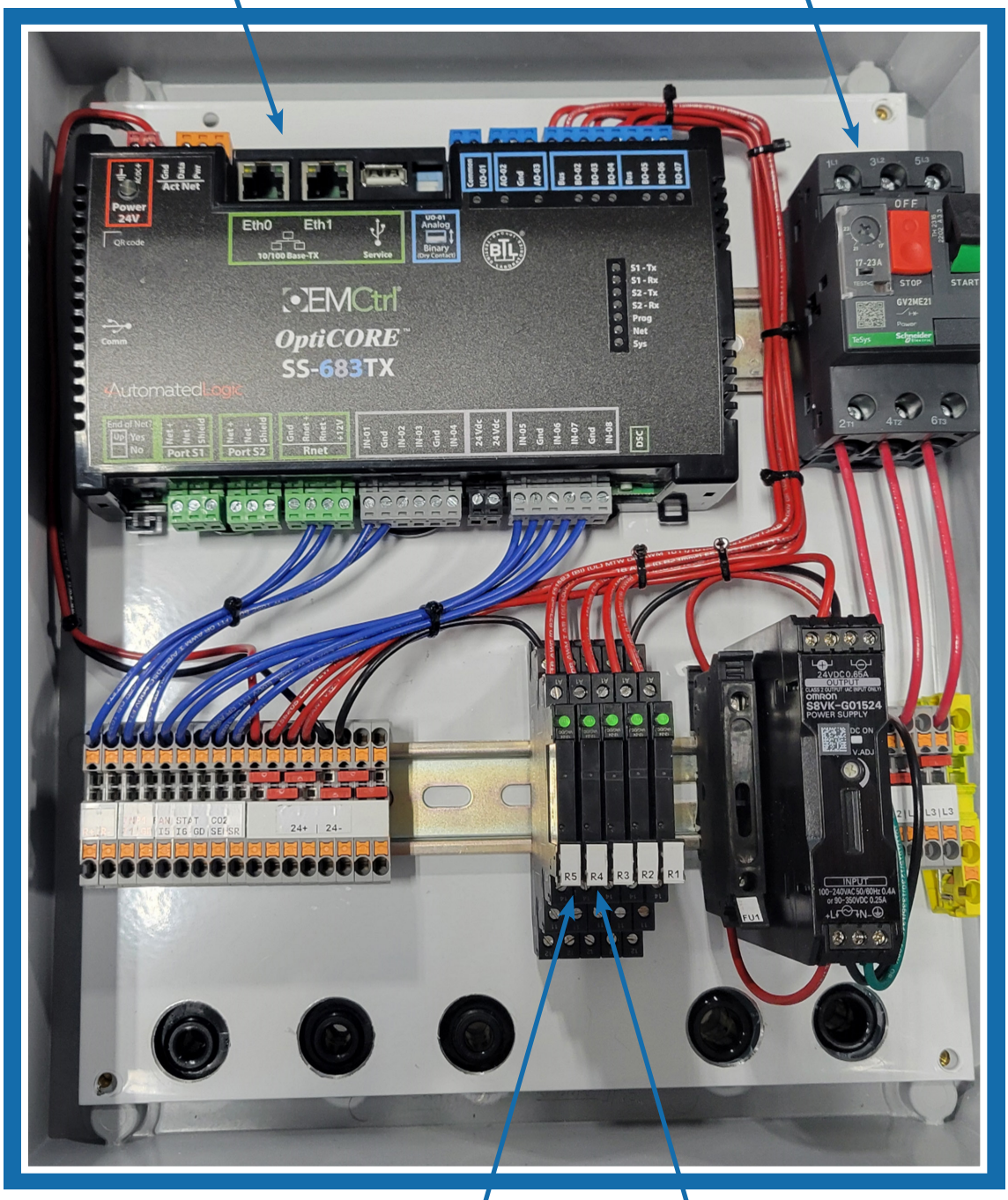


HMI Comm	Humidity sensor or static pressure	Fan Status	CO2 Sensor Dry Contact	24+ for HMI & Sensors only	24- for HMI & Sensors only

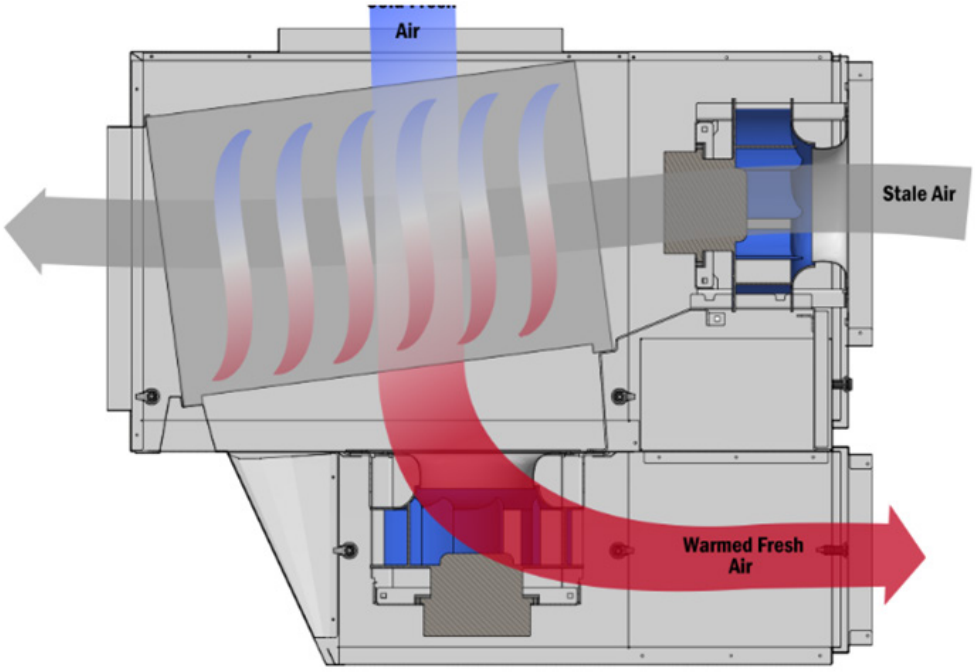
BA-HRV WIRING DIAGRAM



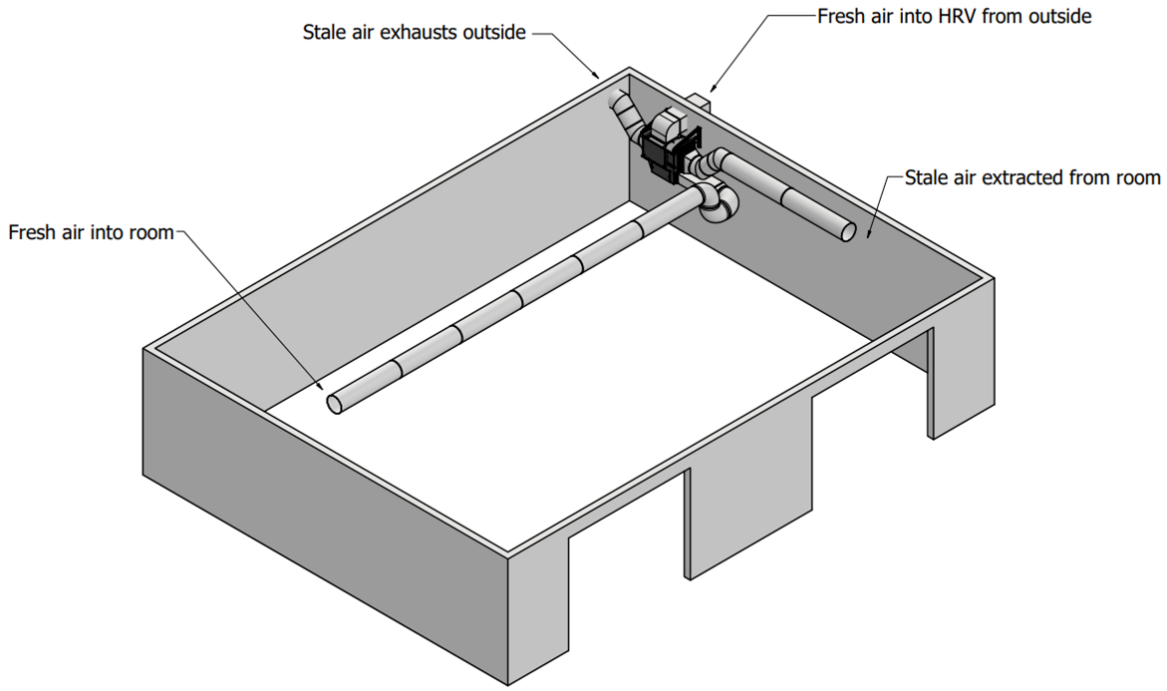
BA-HRV REFERENCE PHOTOS



BA-HRV AIRFLOW DIAGRAM

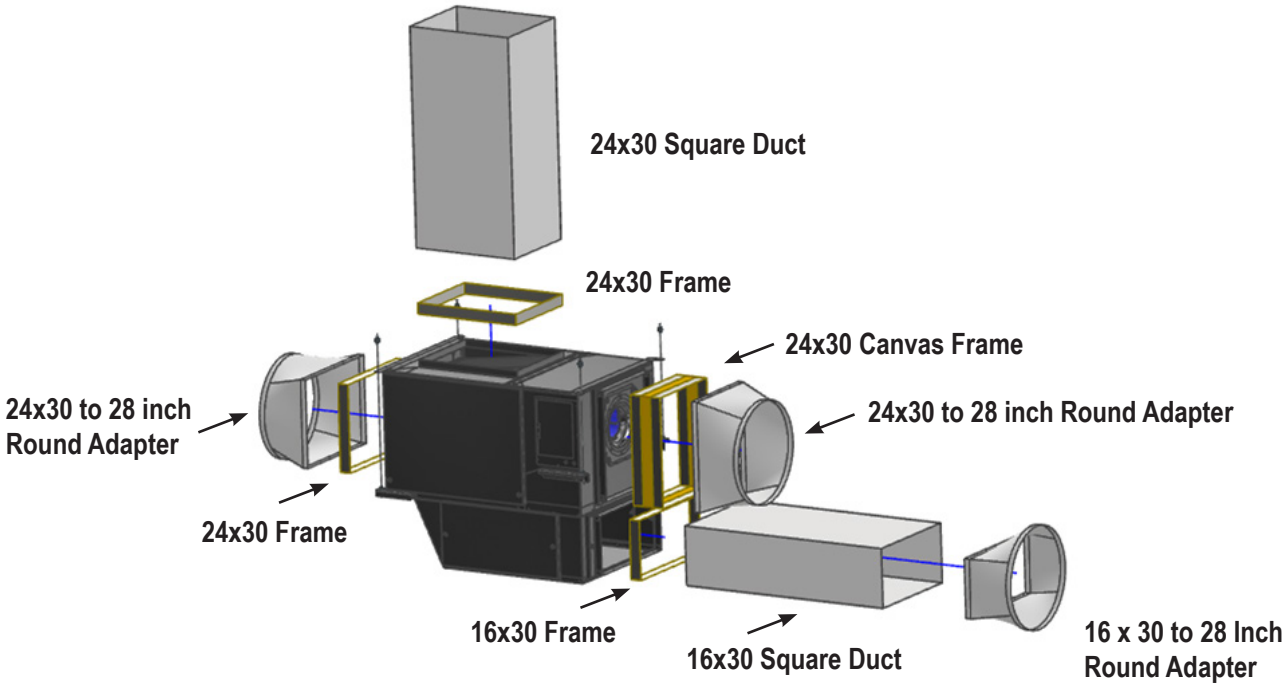


BA-HRV STANDARD BUILDING DUCT LAYOUT



DUCT LAYOUT for BA-HRV-50/40/35

Attach the ducting to the BA-HRV Unit using self tapping screws, or your own preferred Method of installing ducting, Take care as not to damage any part of the BA-HRV Unit as you are installing the duct parts





BA-HRV Installed in a washbay



BA-HRV SERIES

Better Air Heat Exchanger System
Technical Manual