



Report of Materials and Equipment Acceptance Division

NYC Department of Buildings
280 Broadway, New York, NY 10007
Patricia Lancaster, FAIA, Commissioner
(212) 566-5000, TTY: (212) 566-4769

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

MEA 166-05-E

Manufacturer: OUTSIDE AIR SOLUTIONS COMPANY 8880 Glebe Place
Drive Easton, MD 21601

Trade Name(s): OUTSIDE AIR DEHUMIDICATION UNIT

Product: AIR HANDLER DPXX SERIES

Pertinent Code Section(s): 27-770, 27-777

Prescribed Test(s): RS 13-6 (ANSI BR9.1) RS 13-11 (UL 1995)

Laboratory: INTERTEK TESTING SERVICE

Test Report(s): No.54268, DATED MARCH 20, 2006

Description – These are dehumidifiers intended to remove moisture from and pump fresh air into buildings.

Product Covered- Dehumidifier, MoistuRe-Mover System, Models MVRW-xxxx, MVRP-xxxx, MVRH-xxxx, may have suffix –EH for electric heat, models DP40-xxxx, DP48-xxxx, DP50-xxxx, DP52-xxxx, models DP50-PD-xxx, DP50-S-xxx, DP50-xxx.

Model Similarity- Models differ only in size and capacity. See Illustration No. 9 for Model Number Breakdown.

Ratings- All models rated 460V, 60Hz, 3Ø-with amperage and BTU as follows:

MVRW-MVRRR Models	Full Load Amps	BTU Capacity x1000	Electric Heating kW	Heating Full Load Amps
020	1.9	24.1	1.8	5.6
032	4.0	38.6	4	11.2
060	6.6	72.4	8	13.6
100	7.3	120.6	14	22.0
120	7.9	149	16	24.5
135	9.9	163	18	28.4
155	10.0	190	20	30.9
180	12.0	217	24	35.9
195	12.0	135	26	38.4
245	15.3	294	32	48.8
300	15.9	373	40	58.8
365	19.1	451	48	68.8
425	24.3	513	56	82.3
500	27.5	612	66	94.8
565	24.7	699	75	106.1
650	33.7	806	86	122.9
770	35.3	951	105	146.8
850	39.2	1025	115	159.3
1020	50.3	1261	135	191.4
1140	52.7	1413	155	2126.5
1250	50.8	1507	170	235.4
1330	63.3	16950	175	247.7
1520	78.0	1876	200	286.0
1750	79.0	2110.5	230	323.7
1940	110.5	2339.6	255	362.1
2310	127.5	2785.9	----	----
2500	121.2	3015.0	----	----
2700	115.1	3256.2	----	----

MVRP-MVRH Models	Full Load Amps	BTU Capacityx1000	Electric Heating kW	Heating Full Load Amps
020	7.2	24	1.8	5.6
032	9.5	39	4	11.2
045	13.0	54	6	16.1
060	12.7	72	8	13.6
100	20.1	121	14	21.2
120	21.9	149	16	23.7
135	26.9	163	18	28.4
155	.0.7	191	20	30.9
180	33.0	217	24	35.9
195	37.4	250	26	38.4
245	45.4	294	32	46.0
300	59.4	373	40	58.8
365	64.6	451	48	68.8
425	73.4	513	56	82.3
500	105.3	612	66	94.8
565	107.9	699	75	106.1
650	118.6	806	86	122.9
770	135.4	951	105	146.8
850	139.6	1025	115	159.3
1020	175.6	1261	135	191.4
1140	200.4	1413	155	216.5
1250	199.2	1558	170	235.4
1330	240.1	1650	175	247.7
1520	300.6	1876	200	286.0
1750	291.3	2111	230	323.0

DP40
XXXXP
XXXXR / ACU

Model	Full Load Amps	BTU Capacity X1000	Electric Heat KW Load	Heat Full Load Amps
45	18.5	56.3	5	12.7
80	36.6	100.1	10	22.2
100	45.5	126.3	22	42.4
155	21.7	185.5	12	28.5
195	38.4	242.1	19	33.9
245	44.0	297.4	24	43.9
330	58.3	371.3	30	54.3
365	66.8	454.2	36	64.3
425	81.0	525.1	44	78.2
500	94.7	618.1	51	93.3
565	106.8	699.4	60	105.9
650	120.6	801.9	68	120.5
770	139.7	954.4	78	138.8
850	164.3	1053.5	93	165.5
1020	192.9	1262.7	103	182.5
1330	230.5	1653.4	123	217.2
1520	284.0	1875.7	161	252.2
1750	310.4	2160.9	211	331.8
1940	328.2	2399.3	234	363.1



DP48
 XXXP
 XXXR/ACU

Model	Full Load Amps	BTU Capacity X1000	Electric Heat KW Load	Heat Full Load Amps
53	12	57.1	6	13.0
80	15	85.0	10	18.0
105	18	112.0	13	23.0
156	26	165.8	19	33.2
207	36	217.7	25	46.2
250	43	269.1	30	55.5
300	55	323.9	36.2	65.3
355	66	390.30	42.9	78.8
425	75	463.6	51.3	89.4
525	86	557.0	63.4	114.0
585	108	626.3	70.6	127.6
630	110	663.0	76.1	139.8
690	118	728.1	83.3	151.1
850	144	908.3	102.6	180.5
1020	178	1090.9	123.1	216.5
1270	206	1333.1	153.3	240.5
1500	258	1606.3	181.1	285.0
1680	268	1761.6	202.8	314.7
2000	342	2133.1	241.5	376.2

DP48
 XXXH

Model	Full Load Amps	BTU Capacity X1000	Electric Heat KW Load	Heat Full Load Amps
53	839	57.1	6	13.0
80	12.3	58.0	10	18.0
105	15.2	112.0	13	23.0
156	20.2	165.8	19	33.2
207	30.2	217.7	25	46.2
250	37.1	269.1	30	55.5
300	43.1	323.9	36.2	65.3
355	54.0	390.0	42.9	78.8
425	63.2	463.6	51.3	89.4
525	74.0	557.0	63.4	114.0
585	90.2	626.3	70.6	127.6
630	91.7	663.0	76.1	139.8
690	100.1	728.1	83.3	151.1
850	125.7	908.3	102.6	180.5
1020	151.1	1090.9	123.1	216.5
1270	179.2	1333.1	153.3	240.5
1500	221.9	1606.3	181.1	285.0
1680	232.0	1761.6	202.8	314.7
2000	306.5	2133.1	241.5	376.2

**DP48
XXXW**

Model	Full Load Amps	BTU Capacity X1000	Electric Heat KW Load	Heat Full Load Amps
53	5.1	57.3	6	13.0
80	7.4	84.8	10	18.0
105	8.6	111.5	13	23.0
156	11.4	166.1	19	33.2
207	15.7	213.8	25	46.2
250	21.0	270.2	30	55.5
300	23.9	318.9	36.2	65.3
355	30.3	381.5	42.9	78.8
425	40.3	550.9	51.3	89.4
525	40.9	558.7	63.4	114.0
585	53.4	617.2	70.6	127.6
630	48.1	661.8	76.1	139.8
690	53.9	725.9	83.3	151.1
850	71.2	899.2	102.6	180.5
1020	90.0	1094.1	123.1	216.5
1270	89.9	1133.9	153.3	240.5
1500	120.5	1594.7	181.1	285.0
1680	125.4	1770.2	202.8	314.7
2000	181.6	2201.6	241.5	376.2

**DP50-H-
DP50-PD-**

Model	Full Load Amps	BTU Capacity X1000	Electric Heat KW Load	Heat Full Load Amps
53.5	11.8	56.6	7.5	11.3
80	15.8	84.6	11.0	16.1
105	18.3	111.0	14.0	19.9
156	29.5	165.0	20.0	28.2
207	36.2	218.9	27.0	37.8
250	40.8	264.4	34.0	46.6
300	47.1	317.3	40.0	55.5
355	55.4	375.4	50.0	68.1
410	69.6	433.6	54.0	75.9
465	78.3	491.7	60.0	83.4
525	90.0	555.2	67.0	92.2
585	95.4	618.6	74.0	101.0
630	104.9	666.2	80.0	111.9
690	112.0	729.7	90.0	124.5

DP50-S

Model	Full Load Amps	BTU Capacity X1000	Electric Heat KW Load	Heat Full Load Amps
53.5	1.9	56.6	7.5	11.3
80	2.3	84.6	11.0	16.1
105	2.3	111.0	14.0	19.9
156	3.1	165.0	20.0	28.2
207	3.9	218.9	27.0	37.8
250	3.9	264.4	34.0	46.6
300	5.3	317.3	40.0	55.5
355	5.3	375.4	50.0	68.1
410	8.1	433.6	54.0	75.9
465	8.1	491.7	60.0	83.4
525	8.1	555.2	67.0	92.2
585	8.1	618.6	74.0	101.0
630	11.5	666.2	80.0	111.9
690	11.5	729.7	90.0	124.5

**DP50
XXXXP
XXXXR/ACU**

Model	Full Load Amps	BTU Capacity X1000	Electric Heat KW Load	Heat Full Load Amps
53	12	57.1	6	13.0
80	15	85.0	10	18.0
105	18	112.0	13	23.0
156	26	165.8	19	33.2
207	36	217.7	25	46.2
250	43	269.1	30	55.5
300	55	323.9	36.2	65.3
355	66	390.0	42.9	78.8
425	75	463.6	51.3	89.4
525	86	557.0	63.4	114.0
585	108	626.3	70.6	127.6
630	110	663.0	76.1	139.8
690	118	728.1	83.3	151.1
850	144	908.3	102.6	180.5
1020	178	1090.9	123.1	216.5
1270	206	1333.1	153.3	240.5
1500	258	1606.3	181.1	285.0
1680	268	1761.6	202.8	314.7
2000	342	2133.1	241.5	376.2

**DP50
XXXXH**

Model	Full Load Amps	BTU Capacity X1000	Electric Heat KW Load	Heat Full Load Amps
53	839	57.1	6	13.0
80	12.3	85.0	10	18.0
105	1532	112.0	13	23.0
156	20.2	165.8	19	33.2
207	30.2	217.7	25	46.2
250	3.1	269.1	30	55.5
300	43.1	323.9	36.2	65.3
355	54.0	390.0	42.9	78.8
425	63.0	463.6	51.3	89.4
525	74.0	557.0	63.4	114.0
585	90.2	626.3	70.6	127.6
630	91.7	663.0	76.1	139.8
690	100.1	728.1	83.3	151.1
850	125.7	908.3	102.6	180.5
1020	151.1	1090.9	123.1	216.5
1270	179.2	1333.1	153.3	240.5
1500	221.9	1606.3	181.1	285.0
1680	232.0	1761.6	202.8	314.7
2000	306.5	2133.1	241.5	376.2

**DP50
XXXXW**

Model	Full Load Amps	BTU Capacity X1000	Electric Heat KW Load	Heat Full Load Amps
53	5.1	57.3	6	13.0
80	7.4	841.8	10	18.0
105	8.6	111.5	13	23.0
156	11.4	166.1	19	33.2
207	15.7	213.8	25	46.2
250	21.0	270.2	30	55.5
300	23.9	318.9	36.2	65.3
355	30.3	381.5	42.9	78.8
425	40.3	550.9	51.3	89.4
525	40.9	558.7	63.4	114.0
585	53.4	617.2	70.6	127.6
630	48.1	661.8	76.1	139.8
690	53.9	725.9	83.3	151.1
850	71.2	89.2	102.6	180.5
1020	90.0	1094.1	123.1	216.5
1270	89.9	1133.9	153.3	240.5
1500	12.5	1594.7	181.1	285.0
1680	125.4	1770.2	202.8	314.7
2000	181.6	2201.6	241.5	376.2

DP52
 XXXR XXXP
 XXXR XXXP
 XXXR XXXP

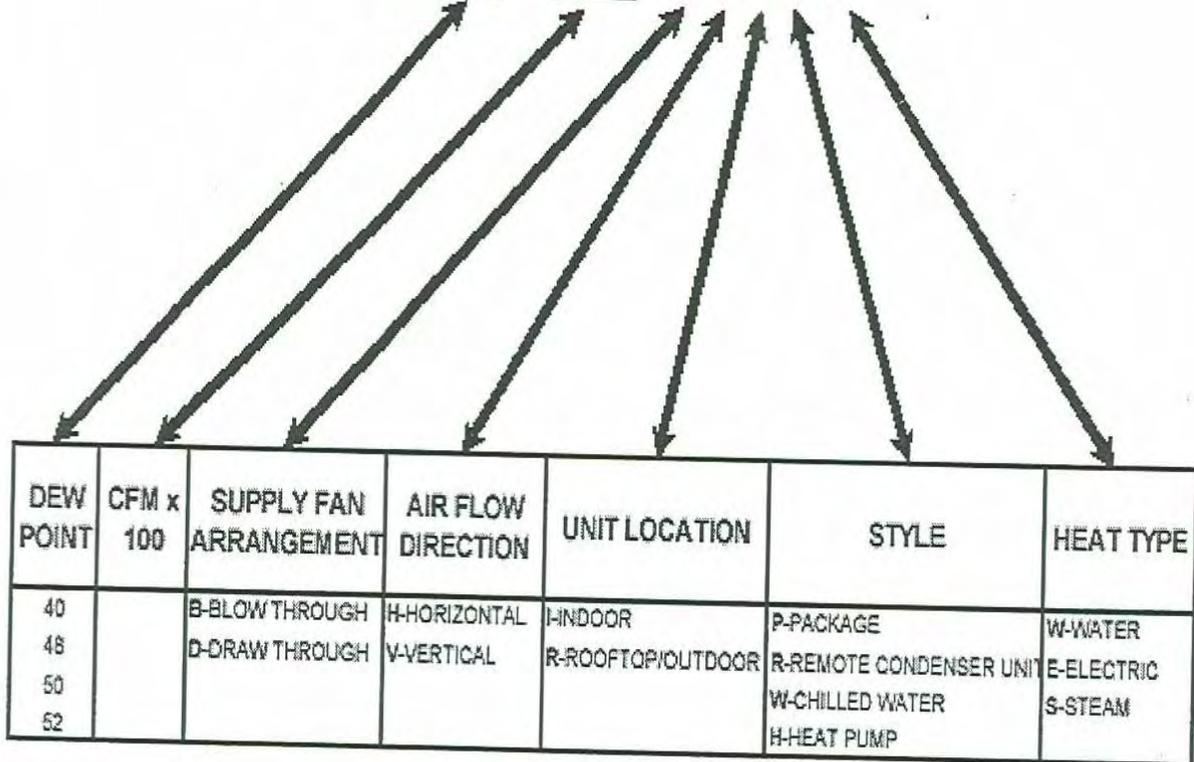
Model	Full Load Amps	BTU Capacity X1000	Electric Heat KW Load	Heat Full Load Amps
53	1.8	47.7	6	13.2
80	2	63.9	10	23.8
105	2	94.4	13	22.4
156	2.6	140.5	19	33.0
207	3.3	186.4	25	39.4
250	5	225.8	30	48.5
300	5	264.6	36.2	56.4
355	7	317.1	42.9	68.9
425	7	380.7	51.3	80.7
525	7	472.7	63.4	97.8
585	10.1	514.2	70.6	123.7
630	10.1	563.2	76.1	135.0
690	10.1	621.6	83.3	145.2
850	10.1	760.6	102.6	176.1
1020	13.8	909.1	123.1	189.6
1270	13.8	1145.4	153.3	234.1
1500	18.5	1323.0	181.1	276.3
1680	18.5	1503.9	202.8	310.3
2000	25	1793.4	241.5	349.3

DP52
 XXXH
 XXXH
 XXXH

Model	Full Load Amps	BTU Capacity X1000	Electric Heat KW Load	Heat Full Load Amps
53	13.6	47.7	6	13.2
80	9.7	63.9	10	23.8
105	13.6	94.4	13	22.4
156	20.2	140.5	19	33.0
207	26.8	186.4	25	39.4
250	34.5	225.8	30	48.5
300	35.1	264.6	36.2	56.4
355	45.5	317.1	42.9	68.9
425	53.9	380.7	51.3	80.7
525	65.2	472.7	63.4	97.8
585	71.4	514.2	70.6	123.7
630	81.2	563.2	76.1	135.0
690	89.8	621.6	83.3	145.2
850	102.0	760.6	102.6	176.1
1020	120.6	909.1	123.1	189.6
1270	155.4	1145.4	153.3	234.1
1500	171.2	1323.0	181.1	276.3
1680	209.3	1503.9	202.8	310.3
2000	243.8	1793.4	241.5	349.3

Outside Air Solutions Model Number Break Down

DPXX-XXXX-XXXX-X



MATCHED REMOTE AIR COOLED CONDENSING UNIT

DPXX - XXXX - ACU

DEW POINT	CFM x 100
40	
48	
50	
52	

Terms and Conditions- That the above described units, be accepted for indoor installation, under the following conditions:

1. All equipment shall be furnished with permanently affixed metal tag stating that if installed in New York City within 100 feet of any dwelling unit window, there shall be compliance with all provisions of Section 27-770, Subdivision 4, as to maximum sound levels permitted for exterior mechanical equipment.
2. All shipments and deliveries of such equipment shall be provided with a metal tag, suitably placed, certifying that the equipment shipped or delivered is equivalent to those tested and accepted for use, as provided for in section 27-131 pf the Building Code.
3. Approval of all electrical equipment, apparatus, materials, and devices shall be obtained from the Department before installation.

Final Acceptance 6/19/06
Examined By Shyam S. Jaiswal