



# MCE4

## Electric Heating / Electric Cooling Packaged Thru-the-Wall Units

Form No.: MCE4-100 (07/2010)

### FEATURES

- Up to 10.4 EER cooling efficiency
- Completely self-contained heating and cooling package
  - No outside condensing unit
  - No external refrigerant lines
  - No separate cooling coil
- Pre-wired and pre-charged
- Individually metered and controlled
- Easy service access
- Louver color options to match building facade
- Available with optional factory installed Ventilation Air Kit

### REFRIGERANT SYSTEM

- R410A Refrigerant
- High efficiency compressor
- Copper tubing with enhanced fin coils

### CABINET

- Fully insulated cabinet for quiet operation
- Anti-microbial insulation in all air handling compartments

### BLOWER

- Four-speed permanently lubricated motor for low maintenance, maximum efficiency and wide airflow range
- PSC permanently lubricated motor for low maintenance and maximum efficiency
- Dynamically balanced blower with resilient motor mounts for smooth and quiet operation
- Internal washable filter

### CONTROLS

- Color coded wiring for easy service
- Fuse protection on 24V circuit

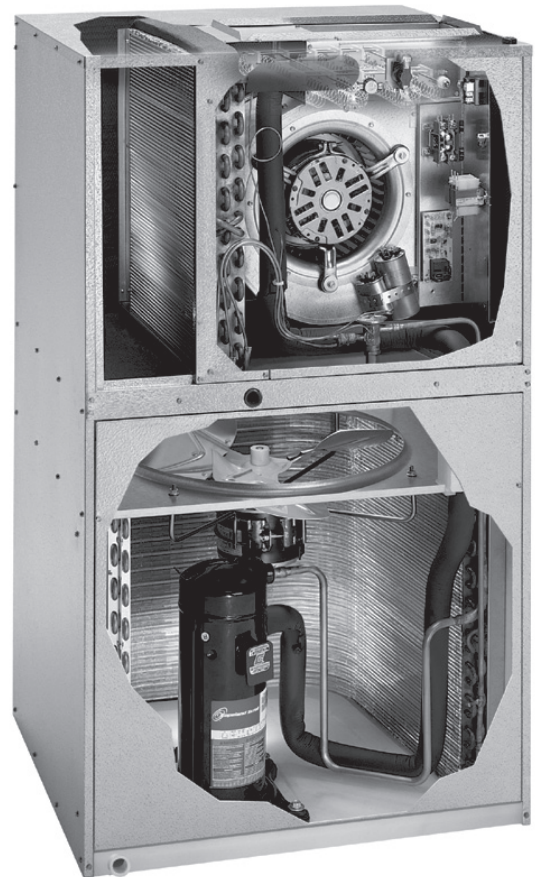
### INSTALLATION

- Easy to install and service
- Louver mounts flush to outside wall

### WARRANTY

- 5 year limited warranty on all parts

## MCE4

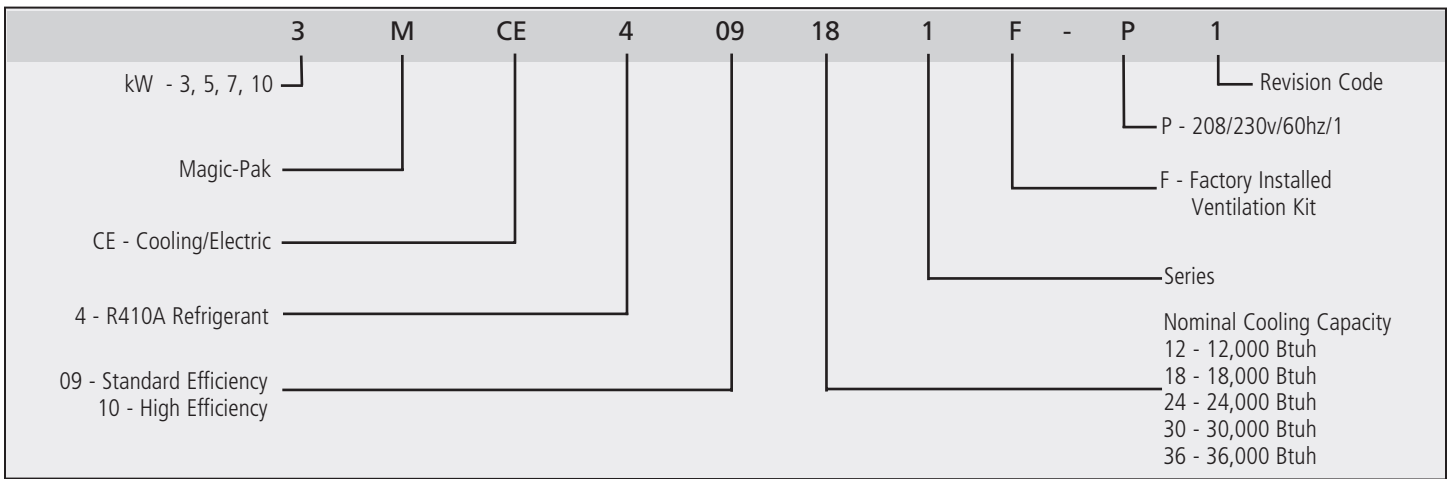


Single Package Vertical AC  
AHRI Standard 390



Single Package Vertical AC  
AHRI Standard 390

## Model Number Guide



## Electrical and Physical Data

Model	Voltage/ Hz/ Phase	Voltage Range	Minimum Circuit Ampacity		Maximum Fuse/ HACR Breaker		Compressor		Outside Fan				Indoor Blower			R410A Refrig. Charge (oz.)	Wgt. (lbs.)
			Circuit 1		Circuit 2		Rated Load Amps	Locked Rotor Amps	Dia. (in.)	Nom. RPM	Rated Load Amps	Rated HP	Wheel dia. x width	Rated Load Amps	Rated HP		
			208	230	208	230											
3MCE4-09-121P	208-230/60/1	197 - 253	19	21	20	25	6.8	45	16	1075	0.9	1/8	9 x 6	1.6	1/4	44	201
5MCE4-09-121P			24	27	25	30											
7MCE4-09-121P			35	40	35	40											
3MCE4-09-181P	208-230/60/1	197 - 253	19	21	20	25	9.6	43	16	1075	0.9	1/8	9 x 6	1.6	1/4	44	204
5MCE4-09-181P			24	27	25	30											
7MCE4-09-181P			35	40	35	40											
10MCE4-09-181P			46	52	50	60											
5MCE4-09-241P	208-230/60/1	197 - 253	24	27	30	30	13.5	58	18	1075	0.9	1/8	9 x 6	1.6	1/4	54	210
7MCE4-09-241P			35	40	35	40											
10MCE4-09-241P			46	52	50	60											
5MCE4-09-301P	208-230/60/1	197 - 253	24	28	30	30	14.1	73	18	1075	1.6	1/4	9 x 7	1.9	1/3	61	218
7MCE4-09-301P			35	40	35	40											
10MCE4-09-301P			46	53	50	60											
5MCE4-09-361P	208-230/60/1	197 - 253	27	29	40	40	17.9	112	18	1075	1.6	1/4	10 x 7	2.7	1/2	103	255
7MCE4-09-361P			36	41	40	45											
10MCE4-09-361P			47	54	50	60											
3MCE4-10-181P	208-230/60/1	197 - 253	19	21	20	25	9.6	43	18	1075	0.9	1/8	9 x 6	1.6	1/4	70	222
5MCE4-10-181P			24	27	25	30											
7MCE4-10-181P			35	40	35	40											
10MCE4-10-181P			46	52	50	60											
5MCE4-10-241P	208-230/60/1	197 - 253	24	27	30	30	13.5	58	18	1075	0.9	1/8	9 x 6	1.6	1/4	80	227
7MCE4-10-241P			35	40	35	40											
10MCE-10-241P			46	52	50	60											
5MCE4-10-301P	208-230/60/1	197 - 253	24	28	30	30	14.1	73	18	1075	1.6	1/4	9 x 7	1.9	1/3	102	251
7MCE4-10-301P			35	40	35	40											
10MCE4-10-301P			46	53	50	60											

## Blower Performance

Model	Blower Speed	CFM @ ext. static pressure - in. w.c. with filter				
		0.1	0.2	0.3	0.4	0.5
MCE4-09-121P MCE4-09-181P MCE4-09-241P	Low	450	440	425	400	370
	Medium Low	700	690	680	650	600
	Medium High	810	800	790	770	730
	High	940	920	875	850	810
MCE4-09-301P	Low	620	600	580	560	535
	Medium Low	840	820	785	750	700
	Medium High	975	940	870	825	760
	High	1075	1000	930	880	800
MCE4-09-361P	Low	750	720	680	650	620
	Medium Low	1000	980	950	920	880
	Medium High	1100	1080	1050	1020	980
	High	1270	1230	1200	1170	1130
MCE4-10-181P MCE4-10-241P	Low	450	440	425	400	370
	Medium Low	700	690	680	650	600
	Medium High	810	800	790	770	730
	High	940	920	875	850	810
MCE4-10-301P	Low	630	620	610	580	550
	Medium Low	900	890	850	800	750
	Medium High	1070	1030	1000	920	840
	High	1220	1150	1100	1030	920

## Electric Heat Data

Model	Input Voltage								
	240			230			208		
	kW/Hr	Btuh	Amps	kW/Hr	Btuh	Amps	kW/Hr	Btuh	Amps
3kW	3.60	12,284	15.00	3.31	11,281	14.38	2.70	9,226	13.00
5kW	4.80	16,378	20.00	4.41	15,042	19.17	3.61	12,302	17.33
7kW	7.20	24,567	30.00	6.61	22,563	28.75	5.41	18,453	26.00
10kW	9.60	32,757	40.00	8.82	30,084	38.33	7.21	24,604	34.67

## Performance

Model	Cooling			CFM	Electric Heat @ 240V	
	Btuh	EER	S/T		kW/Hr	Btuh
3MCE4-09-121P	12,000	9.00	.77	450	3.6	12,200
5MCE4-09-121P					4.8	16,300
7MCE4-09-121P					7.2	24,500
3MCE4-09-181P	17,200	9.00	.73	600	3.6	12,200
5MCE4-09-181P					4.8	16,300
7MCE4-09-181P					7.2	24,500
10MCE4-09-181P					9.6	32,700
5MCE4-09-241P	22,600	9.00	.76	800	4.8	16,300
7MCE4-09-241P					7.2	24,500
10MCE4-09-241P					9.6	32,700
5MCE4-09-301P	27,600	9.00	.74	900	4.8	16,300
7MCE4-09-301P					7.2	24,500
10MCE4-09-301P					9.6	32,700
5MCE4-09-361P	25,000	9.00	.70	1100	4.8	16,300
7MCE4-09-361P					7.2	24,500
10MCE4-09-361P					9.6	32,700
3MCE4-10-181P	18,000	10.20	.74	600	3.6	12,200
5MCE4-10-181P					4.8	16,300
7MCE4-10-181P					7.2	24,500
10MCE4-10-181P					9.6	32,700
5MCE4-10-241P	22,600	10.40	.76	800	4.8	16,300
7MCE4-10-241P					7.2	24,500
10MCE-10-241P					9.6	32,700
5MCE4-10-301P	28,600	10.20	.74	1000	4.8	16,300
7MCE4-10-301P					7.2	24,500
10MCE4-10-301P					9.6	32,700

## Cooling Performance Extended Ratings

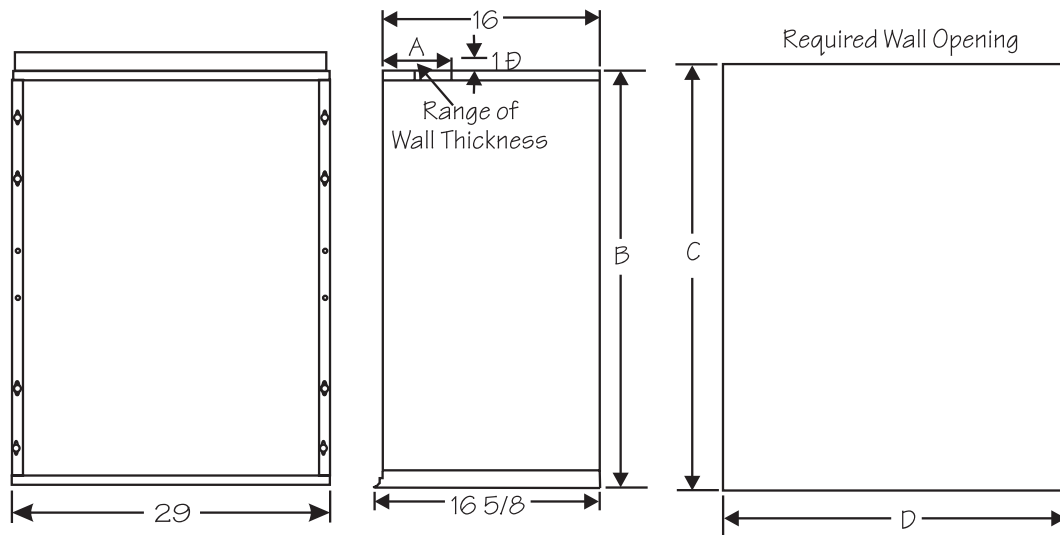
Model	Indoor Temp DB/WB °F	Outdoor Temperature - DB °F														
		65			85			95			105			115		
		Btuh	S/T	kW	Btuh	S/T	kW	Btuh	S/T	kW	Btuh	S/T	kW	Btuh	S/T	kW
MCE4-09-121P	85/72	13,600	.57	1.16	12,900	.62	1.28	12,400	.65	1.37	11,600	.70	1.46	10,900	.74	1.42
	80/67	13,100	.65	1.15	12,700	.71	1.28	12,000	.77	1.33	9,800	.74	1.38	9,400	.88	1.40
	75/63	12,600	.89	1.14	11,400	.75	1.26	10,600	.79	1.32	9,500	.86	1.37	8,300	.92	1.37
	75/57	11,400	1.00	1.13	10,900	1.00	1.23	10,700	1.00	1.30	9,500	1.00	1.36	8,400	1.00	1.37
MCE4-09-181P	85/72	21,100	.57	1.59	19,200	.61	1.79	17,900	.64	1.93	16,400	.68	2.02	14,900	.72	2.03
	80/67	20,600	.64	1.57	19,200	.70	1.79	17,200	.73	1.91	15,500	.77	1.99	13,200	.84	1.99
	75/63	18,300	.68	1.56	16,300	.74	1.73	14,900	.79	1.85	13,100	.85	1.93	11,400	.90	1.93
	75/57	17,800	1.00	1.54	16,400	1.00	1.73	15,300	1.00	1.87	13,500	1.00	1.95	11,700	1.00	1.95
MCE4-09-241P	85/72	26,700	.61	1.92	25,300	.66	2.26	24,400	.69	2.53	22,900	.72	2.81	21,400	.75	2.84
	80/67	25,200	.69	1.90	24,300	.73	2.23	22,600	.77	2.51	21,100	.79	2.73	18,900	.85	2.83
	75/63	23,900	.74	1.87	21,700	.78	2.19	20,200	.81	2.44	18,300	.86	2.72	16,500	.90	2.77
	75/57	21,900	1.00	1.86	20,800	1.00	2.20	20,100	1.00	2.46	18,400	1.00	2.73	16,800	1.00	2.77
MCE4-09-301P	85/72	33,700	.60	2.40	31,400	.63	2.80	29,700	.66	3.10	27,800	.69	3.41	25,900	.71	3.39
	80/67	31,500	.67	2.37	29,800	.71	2.73	27,600	.74	3.07	25,300	.77	3.36	22,800	.82	3.34
	75/63	29,300	.72	2.34	26,900	.75	2.73	21,100	.77	3.03	22,700	.82	3.33	20,300	.86	3.31
	75/57	27,400	1.00	2.32	25,800	1.00	2.71	24,600	1.00	3.00	22,400	1.00	3.30	20,300	1.00	3.27
MCE4-09-361P	85/72	41,000	.56	2.91	38,600	.58	3.47	36,700	.60	3.90	34,900	.63	4.29	33,100	.66	4.38
	80/67	39,100	.63	2.89	37,000	.67	3.43	35,000	.70	3.89	32,500	.70	4.16	30,100	.76	4.35
	75/63	37,200	.67	2.88	32,100	.70	3.38	31,700	.73	3.76	29,400	.77	4.14	27,200	.80	4.23
	75/57	34,000	1.00	2.83	32,400	1.00	3.39	31,200	1.00	3.81	28,900	1.00	4.18	26,800	1.00	4.26
MCE4-10-181P	85/72	22,400	.55	1.44	21,100	.60	1.63	20,200	.64	1.78	18,100	.69	1.87	16,000	.73	1.89
	80/67	21,200	.63	1.42	20,600	.67	1.63	18,000	.73	1.76	16,100	.77	1.82	13,100	.86	1.84
	75/63	20,400	.66	1.42	18,300	.72	1.57	16,700	.76	1.70	13,800	.85	1.78	11,000	.93	1.79
	75/57	18,400	1.00	1.39	17,000	1.00	1.58	16,000	1.00	1.72	13,800	1.00	1.80	11,700	1.00	1.80
MCE4-10-241P	85/72	28,600	.60	1.67	26,400	.64	1.96	24,800	.67	2.18	23,000	.70	2.41	21,100	.73	2.41
	80/67	27,200	.67	1.66	24,700	.72	1.93	22,600	.76	2.17	20,300	.75	2.37	18,800	.82	2.39
	75/63	25,500	.71	1.65	22,800	.75	1.93	20,800	.78	2.14	18,700	.82	2.36	16,600	.86	2.37
	75/57	23,700	1.00	1.63	21,600	1.00	1.91	20,100	1.00	2.13	18,500	1.00	2.34	16,700	1.00	2.34
MCE4-10-301P	85/72	35,300	.62	2.18	32,000	.67	2.55	29,500	.71	2.82	28,200	.72	3.11	26,800	.73	3.13
	80/67	33,200	.70	2.17	30,700	.73	2.51	28,600	.76	2.80	25,300	.81	3.04	24,000	.83	3.10
	75/63	31,100	.74	2.15	28,300	.76	2.48	26,200	.78	2.73	23,900	.83	3.03	21,600	.87	3.08
	75/57	28,900	1.00	2.13	26,900	1.00	2.48	25,500	1.00	2.74	23,400	1.00	3.02	21,400	1.00	3.04

## Accessories

Description	Kit Number	Where Used
Polypropylene Louver Kit (White)	ALVRPWHTMGE-1	MCE4-09 (12, 18, 24, 30) / MCE4-10 (18, 24)
Polypropylene Louver Kit (White)	ALVRPWHTMGE-2	MCE4-09-36 / MCE4-10-30
Polypropylene Louver Kit (Sandstone)	ALVRPSANMGE-1	MCE4-09 (12, 18, 24, 30) / MCE4-10 (18, 24)
Polypropylene Louver Kit (Sandstone)	ALVRPSANMGE-2	MCE4-09-36 / MCE4-10-30
Polypropylene Louver Kit (Beige)	ALVRPBGEMGE-1	MCE4-09 (12, 18, 24, 30) / MCE4-10 (18, 24)
Polypropylene Louver Kit (Beige)	ALVRPBGEMGE-2	MCE4-09-36 / MCE4-10-30
Polypropylene Louver Kit (Taupestone)	ALVRPTSTMGE-1	MCE4-09 (12, 18, 24, 30) / MCE4-10 (18, 24)
Polypropylene Louver Kit (Taupestone)	ALVRPTSTMGE-2	MCE4-09-36 / MCE4-10-30
Extruded Aluminum Louver Kit	ALVRAL-1	MCE4-09 (12, 18, 24, 30) / MCE4-10 (18, 24)
Extruded Aluminum Louver Kit	ALVRAL-2	MCE4-09-36 / MCE4-10-30
Extruded Aluminum Louver Kit (45" height louver)	ALVRAL-3	MCE4-09 (12, 18, 24, 30) / MCE4-10 (18, 24)
Extruded Aluminum Louver Kit (45" height louver)	ALVRAL-4	MCE4-09-36 / MCE4-10-30
2" Wall Sleeve Kit	ASLEEVE2-1	MCE4-09 (12, 18, 24, 30) / MCE4-10 (18, 24)
2" Wall Sleeve Kit	ASLEEVE2-2	MCE4-09-36 / MCE4-10-30
6" Wall Sleeve Kit	ASLEEVE6-1	MCE4-09 (12, 18, 24, 30) / MCE4-10 (18, 24)
6" Wall Sleeve Kit	ASLEEVE6-2	MCE4-09-36 / MCE4-10-30
6" Wall Sleeve for 45" Louver	ASLEEVE6-3	MCE4-09 (12, 18, 24, 30) / MCE4-10 (18, 24)
6" Wall Sleeve for 45" Louver	ASLEEVE6-4	MCE4-09-36 / MCE4-10-30
8" Wall Sleeve Kit	ASLEEVE8-1	MCE4-09 (12, 18, 24, 30) / MCE4-10 (18, 24)
8" Wall Sleeve Kit	ASLEEVE8-2	MCE4-09-36 / MCE4-10-30
8" Wall Sleeve for 45" Louver	ASLEEVE8-3	MCE4-09 (12, 18, 24, 30) / MCE4-10 (18, 24)
8" Wall Sleeve for 45" Louver	ASLEEVE8-4	MCE4-09-36 / MCE4-10-30
10" Wall Sleeve Kit	ASLEEVE10-1	MCE4-09 (12, 18, 24, 30) / MCE4-10 (18, 24)
10" Wall Sleeve Kit	ASLEEVE10-2	MCE4-09-36 / MCE4-10-30
10" Wall Sleeve for 45" Louver	ASLEEVE10-3	MCE4-09 (12, 18, 24, 30) / MCE4-10 (18, 24)
10" Wall Sleeve for 45" Louver	ASLEEVE10-4	MCE4-09-36 / MCE4-10-30
12" Wall Sleeve Kit	ASLEEVE12-1	MCE4-09 (12, 18, 24, 30) / MCE4-10 (18, 24)
12" Wall Sleeve Kit	ASLEEVE12-2	MCE4-09-36 / MCE4-10-30
12" Wall Sleeve for 45" Louver	ASLEEVE12-3	MCE4-09 (12, 18, 24, 30) / MCE4-10 (18, 24)
12" Wall Sleeve for 45" Louver	ASLEEVE12-4	MCE4-09-36 / MCE4-10-30
LP Conversion Kit	ALPKT612-1	All MGE's
Outdoor Coil Filter	AFILTMP-1	All MGE's
Wall Sleeve Extension Kit	ASLEEVEXT 4-1, 4-2	A SLEEVE WALL KITS

\*Thru the wall applications only.

## Accessories Dimensions (in.)



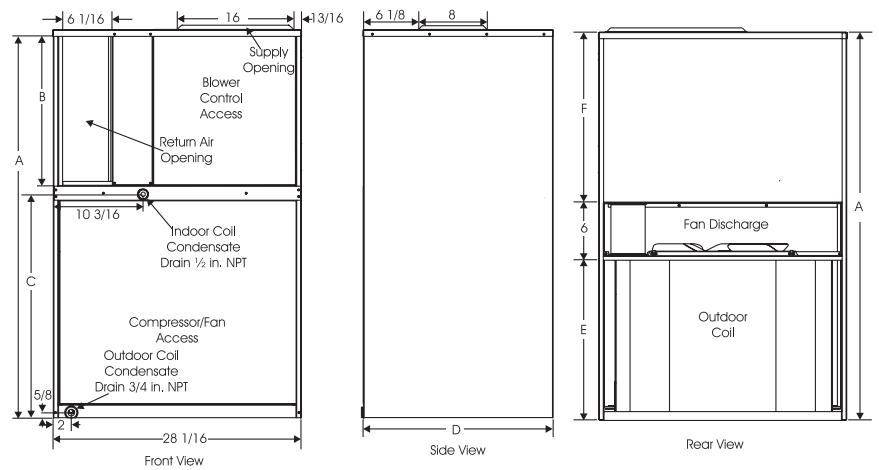
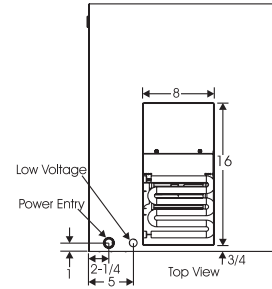
## Accessories

Kit Number	A	B	C	D
ASLEEVE2-1	2	29	29-1/8	29-1/8
ASLEEVE2-2	2	32-3/4	32-7/8	29-1/8
ASLEEVE6-1	6	29	29-1/8	29-1/8
ASLEEVE6-2	6	32-3/4	32-7/8	29-1/8
ASLEEVE6-3	6	45	45-1/8	29-1/8
ASLEEVE6-4				
ASLEEVE8-1	8	29	29-1/8	29-1/8
ASLEEVE8-2	8	32-3/4	32-7/8	29-1/8
ASLEEVE8-3	8	45	45-1/8	29-1/8
ASLEEVE8-4				
ASLEEVE10-1	10	29	29-1/8	29-1/8
ASLEEVE10-2	10	32-3/4	32-7/8	29-1/8
ASLEEVE10-3	10	45	45-1/8	29-1/8
ASLEEVE10-4				
ASLEEVE12-1	12	29	29-1/8	29-1/8
ASLEEVE12-2	12	32-3/4	32-7/8	29-1/8
ASLEEVE12-3	12	45	45-1/8	29-1/8
ASLEEVE12-4				
ASLEEVE-3	*	45	45-1/8	29-1/8

\*Thru the wall installations only.

## Dimensions (in.)

Model	A	B	C	D	E	F
MCE4-09-121P	43-7/8	16-7/8	25-5/16	21-1/2	18-5/8	19-1/4
MCE4-09-181P						
MCE4-09-241P	47-13/16	18-15/16	27-1/8	24-3/8	20-5/8	21-3/16
MCE4-09-301P						
MCE4-09-361P	55-13/16	22-13/16	31-1/8	24-3/8	24-3/4	25-1/16
MCE4-10-181P	47-13/16	18-15/16	27-1/8	24-3/8	20-5/8	21-3/16
MCE4-10-241P						
MCE4-10-301P	55-13/16	22-13/16	31-1/8	24-3/8	24-3/4	25-1/16



## Sound Ratings

Model	Sound Rating (dBA)
MCE4-09-121	72
MCE4-09-181	
MCE4-09-241	74
MCE4-09-301	76
MCE4-09-361	
MCE4-10-181	74
MCE4-10-241	74
MCE4-10-301	76



215 Metropolitan Drive  
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Product Support 866-282-7257

All specifications and illustrations  
subject to change without notice  
and without incurring obligations.