



10 EER out of production as of March 1, 2019

9 EER out of production as of July 2019

GAS HEATING / ELECTRIC COOLING  
PACKAGED UNITS

**MGE4**

FORM NO. MGE4-100 (03/2018)

## **FEATURES**

- Up to 10.0 EER cooling efficiency
- Less than 1.4% cabinet air leakage
- Completely self-contained heating and cooling package
  - No outside condensing unit
  - No external refrigerant lines
  - No remote cooling coil
  - No separate venting system
- Pre-wired and pre-charged
- Individual unit control by thermostat
- Unit utilities individually metered
- Easy service access
- Louver color options to match building facade
- Internal vent system (direct vent)

## **REFRIGERANT SYSTEM**

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

## **HEAT EXCHANGER**

- Standard aluminized steel heat exchanger
- Optional 409 stainless steel heat exchanger

## **CABINET**

- Fully insulated cabinet for quiet operation

## **BLOWER**

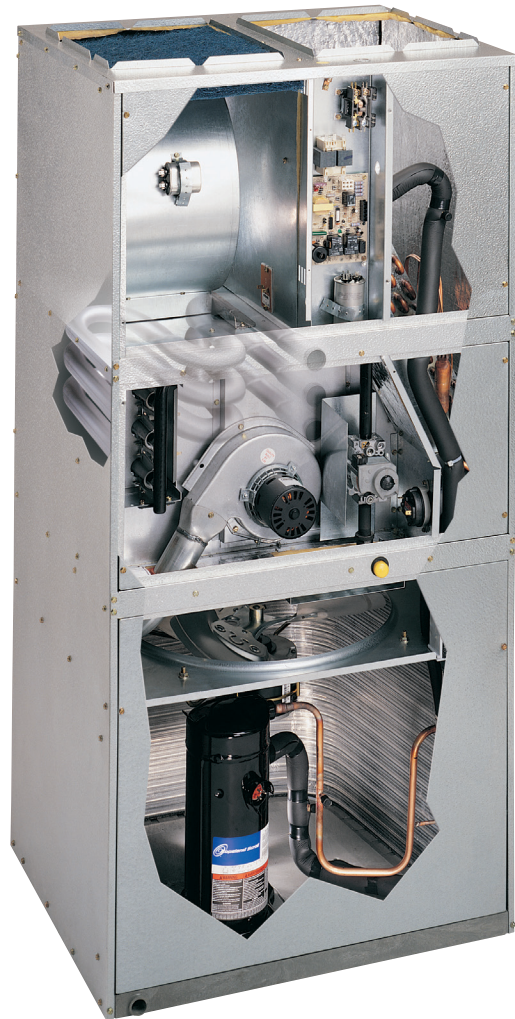
- Four-speed PSC motor for wide airflow range
- Permanently lubricated motor for low maintenance and maximum efficiency
- Dynamically balanced blower with resilient motor mounts for smooth and quiet operation
- Internal washable air filter

## **CONTROLS**

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

## **INSTALLATION**

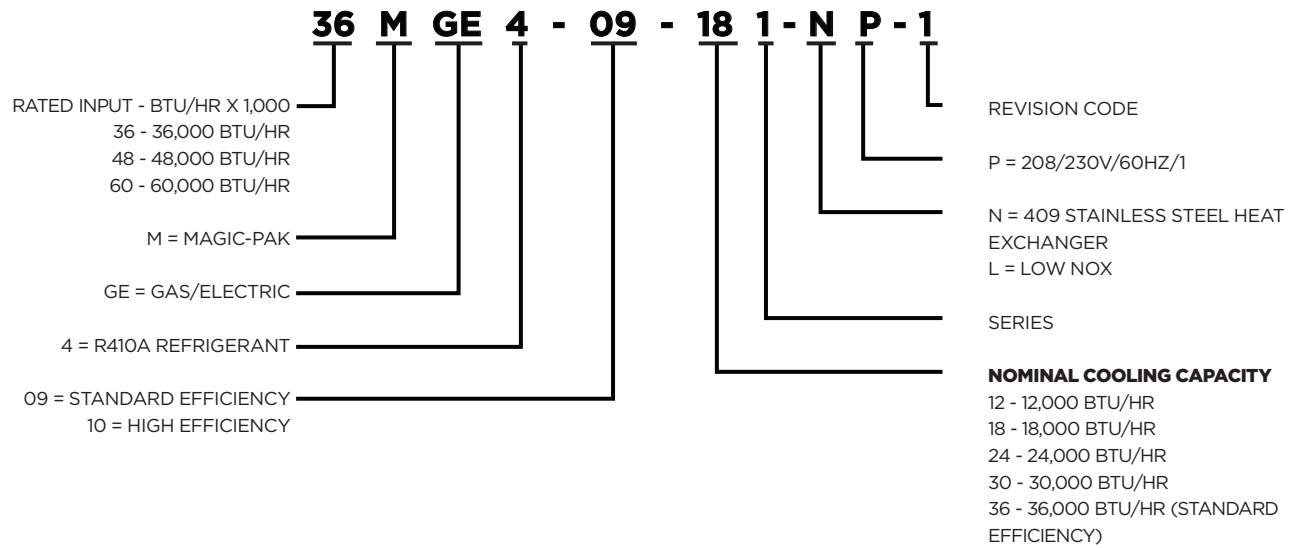
- Easy to install and service
- Louver mounts flush to outside wall



## **WARRANTY**

5 year limited warranty on all parts, 10 year warranty on aluminized heat exchanger 20 year warranty on stainless steel heat exchanger.

## MODEL NUMBER GUIDE



## ELECTRICAL AND PHYSICAL DATA

Model	Voltage/ Hz/ Phase	Voltage Range	Min. Circuit Amps	Max. Fuse/HACR Brkr.	Compressor		Outside Fan				Indoor Blower			R410A Refrig. Charge (oz.)	Approx. Weight (lbs.)
					Rated Load Amps	Locked Rotor Amps	Dia. (in.)	Nom. RPM	Rated Load Amps	Rated HP	Wheel dia. x width (in.)	Rated Load Amps	Rated HP		
36MGE4-09-121-P-1	208-230/60/1	197 - 253	7.5	15	5.0	27	16	1075	0.9	1/8	9 x 7	1.9	1/3	42	290
36MGE4-09-181-P-1															
48MGE4-09-181-P-1															
60MGE4-09-181-P-1	208-230/60/1	197 - 253	10.5	20	6.5	37.5	18	1075	0.9	1/8	9 x 7	1.9	1/3	50	295
36MGE4-09-241-P-1															
48MGE4-09-241-P-1															
60MGE4-09-241-P-1	208-230/60/1	197 - 253	13.7	20	8.6	43.5	18	1075	0.9	1/8	10 x 6	2.7	1/2	62	300
36MGE4-09-301-P-1															
48MGE4-09-301-P-1															
60MGE4-09-301-P-1	208-230/60/1	197 - 253	22	30	14.1	73	18	1075	1.6	1/4	10x6	2.7	1/2	61	310
36MGE4-09-361-P-1															
48MGE4-09-361-P-1															
60MGE4-09-361-P-1	208-230/60/1	197 - 253	27	40	17.9	112	18	1075	1.6	1/4	10x6	2.7	1/2	101	360

36MGE4-10-181-P-1	208-230/60/1	197 - 253	10.5	20	6.5	37.5	18	1075	0.9	1/8	9 x 7	1.9	1/3	75	315
48MGE4-10-181-P-1															
60MGE4-10-181-P-1															
36MGE4-10-241-P-1	208-230/60/1	197 - 253	13.5	20	8.4	38.0	16	1075	0.9	1/8	10x6	2.7	1/2	83	320
48MGE4-10-241-P-1															
60MGE4-10-241-P-1															
36MGE4-10-301-P-1	208-230/60/1	197 - 253	22	30	14.1	73	18	1075	1.6	1/4	10x6	2.7	1/2	93	335
48MGE4-10-301-P-1															
60MGE4-10-301-P-1															

**BLOWER PERFORMANCE**

Model	Blower Speed	CFM @ ext. static pressure - in. w.c. with filter				
		0.1	0.2	0.3	0.4	0.5
MGE4-09-121-P-1	Low	620	495	470	430	370
	Medium Low	685	655	600	540	490
	Medium High	755	715	660	595	610
	High	875	770	710	640	575
MGE4-09-181-P-1	Low	500	470	435	390	370
	Medium Low	670	640	575	520	460
	Medium High	750	690	645	575	490
	High	795	740	680	616	535
MGE4-09-241-P-1	Low	650	630	610	580	550
	Medium Low	945	900	860	810	775
	Medium High	1010	960	910	870	800
	High	1090	1030	980	930	880
MGE4-09-301-P-1	Low	640	620	600	575	540
	Medium Low	940	890	860	820	785
	Medium High	1000	960	910	875	820
	High	1110	1060	1010	960	915
MGE4-09-361-P-1	Low	640	620	600	575	540
	Medium Low	940	890	860	820	785
	Medium High	1000	960	910	875	820
	High	1110	1060	1010	960	915

MGE4-10-181-P-1	Low	500	470	435	390	370
	Medium Low	670	640	575	520	460
	Medium High	750	690	645	575	490
	High	795	740	680	616	535
MGE4-10-241-P-1	Low	630	610	590	560	520
	Medium Low	905	870	830	780	735
	Medium High	955	905	860	815	770
	High	1040	990	935	890	835
MGE4-10-301-P-1	Low	640	620	600	575	540
	Medium Low	940	890	860	820	785
	Medium High	1000	960	910	875	820
	High	1110	1060	1010	960	915

PERFORMANCE

Model	Cooling			CFM	Heating			
	Btuh	EER	S/T		Input	Output	Rise Range F°	Thermal Efficiency
					Btuh	Btuh		
36MGE4-09-121-P-1	11,800	9.00	.74	400	36,000	28,000	35 - 65	80%
36MGE4-09-181-P-1	17,000	9.00	.74	600	36,000	28,800	35 - 65	80%
48MGE4-09-181-P-1					48,000	38,400	30 - 60	
60MGE4-09-181-P-1					60,000	48,000	40 -70	
36MGE4-09-241-P-1	22,200	9.00	.77	800	36,000	28,800	30 - 60	80%
48MGE4-09-241-P-1					48,000	38,400	30 - 60	
60MGE4-09-241-P-1					60,000	48,000	35 - 65	
36MGE4-09-301-P-1	27,400	9.00	.80	1000	36,000	28,800	30 - 60	80%
48MGE4-09-301-P-1					48,000	38,400	30 - 60	
60MGE4-09-301-P-1					60,000	48,000	35 - 65	
36MGE4-09-361-P-1	35,000	9.00	.72	1050	36,000	28,800	30 - 60	80%
48MGE4-09-361-P-1					48,000	38,400	30 - 60	
60MGE4-09-361-P-1					60,000	48,000	35 - 65	

36MGE4-10-181-P-1	18,000	10.00	.72	600	36,000	28,800	35 - 65	80%
48MGE4-10-181-P-1					48,000	38,400	30 - 60	
60MGE4-10-181-P-1					60,000	48,000	40 - 70	
36MGE4-10-241-P-1	22,400	10.00	.74	800	36,000	28,800	30 - 60	80%
48MGE4-10-241-P-1					48,000	38,400	30 - 60	
60MGE4-10-241-P-1					60,000	48,000	35 - 65	
36MGE4-10-301-P-1	28,400	10.00	.78	1000	36,000	28,800	30 - 60	80%
48MGE4-10-301-P-1					48,000	38,400	30 - 60	
60MGE4-10-301-P-1					60,000	48,000	35 - 65	

## COOLING PERFORMANCE EXTENDED RATINGS

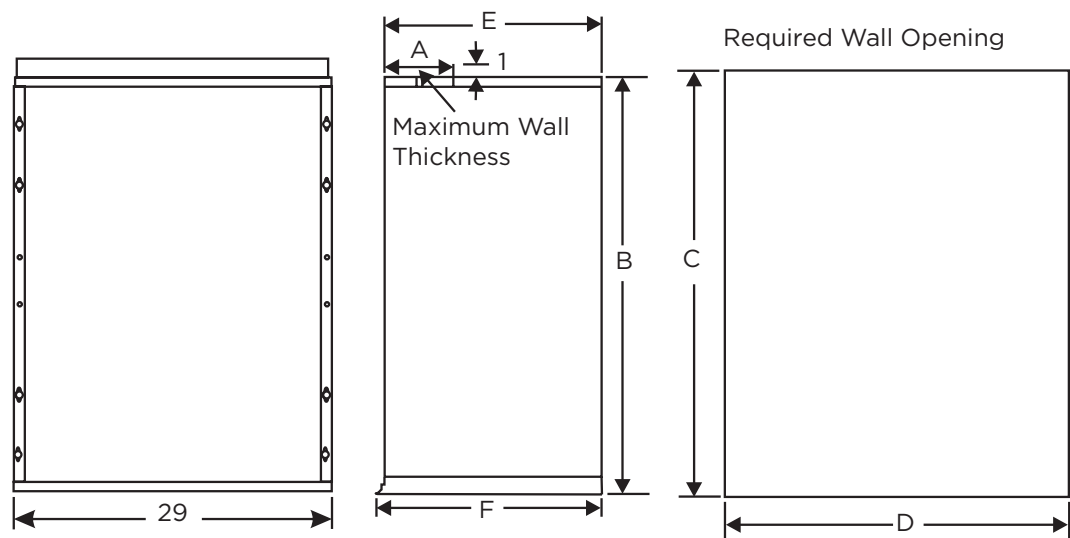
Model	Indoor Temp DB/WB °F	Outdoor Temperature - DB °F														
		65			85			95			105			115		
		Btuh	S/T	kW	Btuh	S/T	kW	Btuh	S/T	kW	Btuh	S/T	kW	Btuh	S/T	kW
MGE4-09-121-P-1	85/72	14,000	.58	1.13	13,300	.62	1.25	12,800	.65	1.34	11,700	.70	1.45	10,600	.75	1.42
	80/67	13,400	.65	1.12	13,000	.69	1.24	12,000	.74	1.33	9,800	.75	1.38	9,000	.87	1.40
	75/63	12,800	.69	1.11	11,700	.74	1.23	10,900	.78	1.31	9,200	.86	1.36	7,600	.93	1.37
	75/57	11,700	1.00	1.10	11,100	1.00	1.21	10,700	1.00	1.30	9,300	1.00	1.36	8,000	1.00	1.37
MGE4-09-181-P-1	85/72	22,000	.58	1.67	20,600	.62	1.86	19,400	.65	2.00	17,500	.70	2.09	15,500	.75	2.08
	80/67	20,800	.65	1.65	19,600	.70	1.83	17,600	.74	1.96	15,600	.79	2.05	13,100	.87	2.03
	75/63	19,800	.69	1.64	17,400	.75	1.80	15,500	.80	1.92	13,400	.87	2.00	11,300	.93	1.98
	75/57	18,100	1.00	1.62	16,800	1.00	1.79	15,700	1.00	1.92	13,700	1.00	2.00	11,700	1.00	1.99
MGE4-09-241-P-1	85/72	27,000	.60	1.89	25,600	.65	2.24	24,700	.68	2.50	23,000	.72	2.76	21,400	.75	2.82
	80/67	25,700	.68	1.87	24,400	.72	2.24	22,800	.77	2.53	20,900	.81	2.71	19,300	.84	2.80
	75/63	24,400	.72	1.86	22,500	.77	2.19	21,100	.80	2.44	19,100	.85	2.70	17,100	.89	2.76
	75/57	22,400	1.00	1.83	21,200	1.00	2.20	20,300	1.00	2.48	18,700	1.00	2.71	17,200	1.00	2.74
MGE4-09-301-P-1	85/72	34,900	.63	2.43	32,500	.68	2.82	30,600	.71	3.11	28,100	.75	3.41	25,700	.79	3.38
	80/67	32,600	.71	2.40	30,200	.76	2.75	27,600	.80	3.07	25,600	.83	3.37	22,800	.87	3.35
	75/63	30,300	.76	2.39	27,500	.80	2.76	25,300	.83	3.04	22,700	.88	3.34	20,300	.92	3.32
	75/57	28,400	1.00	2.35	26,200	1.00	2.72	24,600	1.00	3.00	22,400	1.00	3.31	20,300	1.00	3.28
MGE4-09-361-P-1	85/72	38,400	.58	2.89	37,700	.61	3.46	37,200	.63	3.89	35,100	.67	4.32	33,100	.70	4.32
	80/67	37,100	.65	2.87	36,600	.69	3.41	35,000	.72	3.89	33,100	.74	4.28	30,000	.78	4.28
	75/63	35,800	.69	2.85	33,900	.73	3.40	32,300	.76	3.82	30,000	.79	4.20	27,600	.81	4.16
	75/57	32,300	1.00	2.81	31,700	1.00	3.38	31,200	1.00	3.81	28,900	1.00	4.21	26,700	1.00	4.19

MGE4-10-181-P-1	85/72	20,700	.56	1.40	20,200	.60	1.58	19,800	.63	1.72	18,100	.67	1.81	16,500	.71	1.84
	80/67	20,100	.63	1.40	19,700	.67	1.57	18,000	.72	1.70	15,300	.82	1.77	13,800	.83	1.80
	75/63	19,300	.67	1.40	17,500	.72	1.57	16,100	.76	1.69	13,900	.83	1.76	11,800	.89	1.76
	75/57	17,500	1.00	1.37	16,700	1.00	1.54	16,000	1.00	1.67	14,100	1.00	1.75	12,300	1.00	1.76
MGE4-10-241-P-1	85/72	25,400	.61	1.70	24,600	.64	1.99	24,000	.66	2.21	22,500	.70	2.43	21,100	.73	2.44
	80/67	24,700	.68	1.68	24,000	.72	1.97	23,000	.74	2.21	21,000	.79	2.39	18,600	.84	2.44
	75/63	23,200	.71	1.67	21,700	.76	1.96	20,500	.79	2.18	18,700	.83	2.40	16,800	.87	2.42
	75/57	21,500	1.00	1.65	20,900	1.00	1.94	20,500	1.00	2.17	18,500	1.00	2.38	16,600	1.00	2.39
MGE4-10-301-P-1	85/72	32,700	.61	2.26	31,700	.66	2.62	31,000	.69	2.89	29,100	.73	3.17	27,100	.76	3.15
	80/67	31,600	.69	2.25	30,600	.74	2.58	28,800	.78	2.88	26,900	.81	3.15	23,900	.87	3.15
	75/63	30,400	.73	2.24	28,100	.78	2.59	26,400	.82	2.86	24,000	.86	3.12	21,600	.90	3.10
	75/57	27,500	1.00	2.21	26,400	1.00	2.55	25,600	1.00	2.82	23,400	1.00	3.06	21,300	1.00	3.06

## ACCESSORIES

DESCRIPTION	KIT NUMBER	WHERE USED
Polypropylene Louver Kit (White)	ALVRPWHTMGE-1	MGE4-09 (12, 18, 24, 30) / MGE4-10 (18, 24)
Polypropylene Louver Kit (White)	ALVRPWHTMGE-2	MGE4-09-36 / MGE4-10-30
Polypropylene Louver Kit (Sandstone)	ALVRPSANMGE-1	MGE4-09 (12, 18, 24, 30) / MGE4-10 (18, 24)
Polypropylene Louver Kit (Sandstone)	ALVRPSANMGE-2	MGE4-09-36 / MGE4-10-30
Polypropylene Louver Kit (Beige)	ALVRPBGEMGE-1	MGE4-09 (12, 18, 24, 30) / MGE4-10 (18, 24)
Polypropylene Louver Kit (Beige)	ALVRPBGEMGE-2	MGE4-09-36 / MGE4-10-30
Polypropylene Louver Kit (Taupestone)	ALVRPTSTMGE-1	MGE4-09 (12, 18, 24, 30) / MGE4-10 (18, 24)
Polypropylene Louver Kit (Taupestone)	ALVRPTSTMGE-2	MGE4-09-36 / MGE4-10-30
Extruded Aluminum Louver Kit	ALVRAL-1	MGE4-09 (12, 18, 24, 30) / MGE4-10 (18, 24)
Extruded Aluminum Louver Kit	ALVRAL-2	MGE4-09-36 / MGE4-10-30
Extruded Aluminum Louver Kit (Custom Color)	ALVRAL-1P	MGE4-09 (12, 18, 24, 30) / MGE4-10 (18, 24)
Extruded Aluminum Louver Kit (Custom Color)	ALVRAL-2P	MGE4-09-36 / MGE4-10-30
2" Wall Sleeve Kit	ASLEEVE2-1	MGE4-09 (12, 18, 24, 30) / MGE4-10 (18, 24)
2" Wall Sleeve Kit	ASLEEVE2-2	MGE4-09-36 / MGE4-10-30
6" Wall Sleeve Kit	ASLEEVE6-1	MGE4-09 (12, 18, 24, 30) / MGE4-10 (18, 24)
6" Wall Sleeve Kit	ASLEEVE6-2	MGE4-09-36 / MGE4-10-30
8" Wall Sleeve Kit	ASLEEVE8-1	MGE4-09 (12, 18, 24, 30) / MGE4-10 (18, 24)
8" Wall Sleeve Kit	ASLEEVE8-2	MGE4-09-36 / MGE4-10-30
10" Wall Sleeve Kit	ASLEEVE10-1	MGE4-09 (12, 18, 24, 30) / MGE4-10 (18, 24)
10" Wall Sleeve Kit	ASLEEVE10-2	MGE4-09-36 / MGE4-10-30
12" Wall Sleeve Kit	ASLEEVE12-1	MGE4-09 (12, 18, 24, 30) / MGE4-10 (18, 24)
12" Wall Sleeve Kit	ASLEEVE12-2	MGE4-09-36 / MGE4-10-30
LP Conversion Kit	ALPKT612-1	All MGE's
Wall Sleeve Extension Kit	ASLEEVEXT 4-1, 4-2	A SLEEVE WALL KITS (only with 1 & 2, cannot use with 3 & 4)

ACCESSORIES DIMENSIONS (IN.)



ACCESSORIES

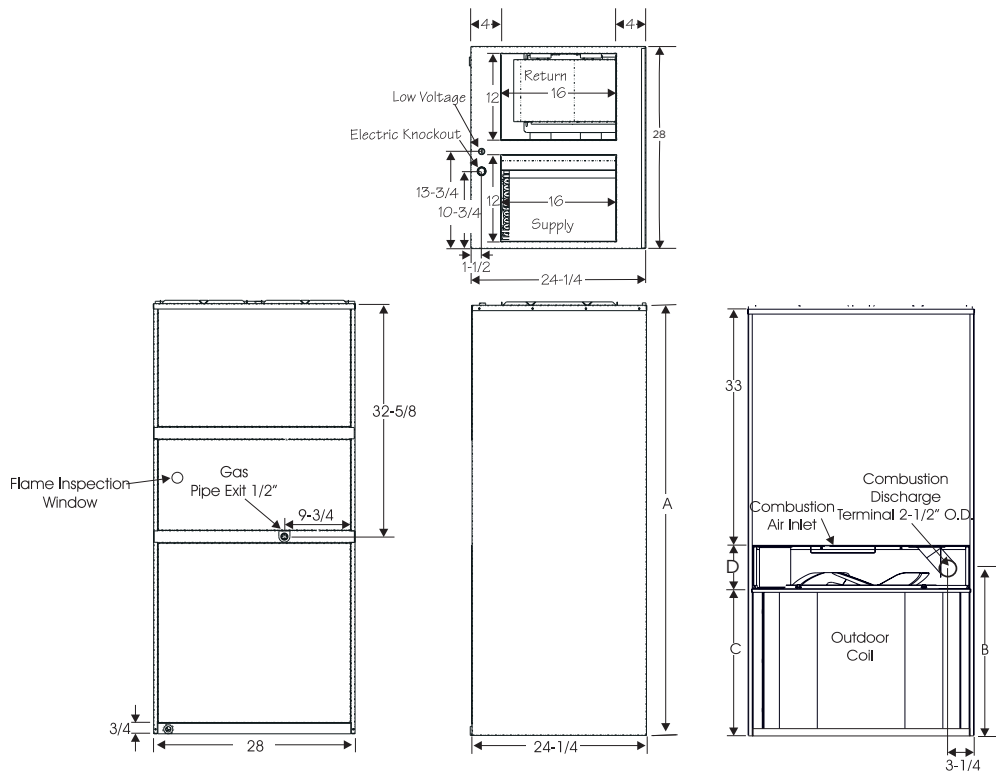
KIT NUMBER	A	B	C	D
ASLEEVE2-1	2	29	29-1/8	29-1/8
ASLEEVE2-2	2	32-3/4	32-7/8	29-1/8
ASLEEVE6-1	6	29	29-1/8	29-1/8
ASLEEVE6-2	6	32-3/4	32-7/8	29-1/8
ASLEEVE8-1	8	29	29-1/8	29-1/8
ASLEEVE8-2	8	32-3/4	32-7/8	29-1/8
ASLEEVE10-1	10	29	29-1/8	29-1/8
ASLEEVE10-2	10	32-3/4	32-7/8	29-1/8
ASLEEVE12-1	12	29	29-1/8	29-1/8
ASLEEVE12-2	12	32-3/4	32-7/8	29-1/8

DIMENSIONS (IN.)

Model	A	B	C
MGE4-09-121-P-1	57-7/8	20-1/2	18-5/8
MGE4-09-181-P-1			
MGE4-09-241-P-1	59-7/8	22-1/2	20-5/8
MGE4-09-301-P-1			
MGE4-09-361-P-1	64	26-1/2	24-3/4
MGE4-10-181-P-1	59-7/8	22-1/2	20-5/8
MGE4-10-241-P-1			
MGE4-10-301-P-1	64	26-1/2	24-3/4

SOUND RATINGS

Model	Sound Rating (dBA)
MGE4-09-121	72
MGE4-09-181	
MGE4-09-241	74
MGE4-09-301	76
MGE4-09-361	
MGE4-10-181	74
MGE4-10-241	74
MGE4-10-301	76



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Product Support 866-282-7257

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