

FEATURES

- Over 50 years of unit expertise and design
- Self-contained Heating and Cooling Packaged Unit
 - No need for outdoor units, line sets, or separate venting
 - Pre-wired and pre-charged

REFRIGERANT SYSTEM

- High-efficiency compressor standard on all models
- EWC*12P30 includes a two-stage high-efficiency compressor
- Copper tubing with enhanced aluminum fin coils
- Slide-out Cooling chassis for ease of service
- Anti-microbial evaporative drain pan

BLOWER

- Multi-speed blower motor for diverse airflow range
- Resilient motor mounts for smooth and quiet operation
- Internal washable filter is standard

CONTROLS

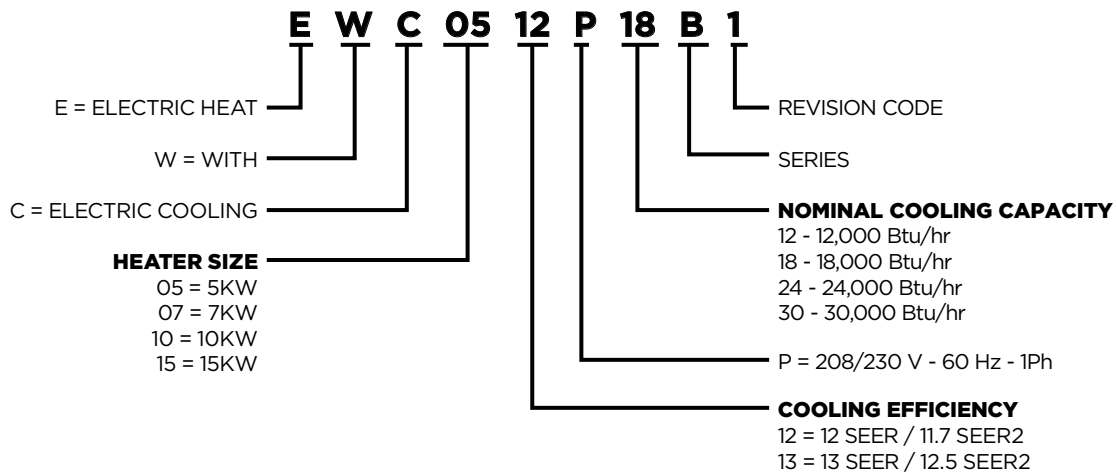
- Conventional 24V thermostat
 - One Stage Cool/Heat required up to 2 tons
 - Two Stage Cool/One Stage Heat for 2.5-ton model
- Color-coded wiring for ease of installation and service
- Diagnostic LED
- Easily accessible control box

WARRANTY

- Five (5) Year Limited Parts Warranty

**EWC MODEL UNITS
ELECTRIC HEATING / ELECTRIC COOLING
PACKAGED UNITS**

MODEL NUMBER GUIDE



ELECTRICAL AND PHYSICAL DATA

Model	Voltage/Hz/Phase	Voltage Range	MCA ¹				MOCP ²				Compressor		Outside Fan				Indoor Blower			R410A Charge	Approx. Weight (lbs.)
			CKT1		CKT2		CKT1		CKT2		Rated Load Amps	Locked Rotor Amps	Dia	Nominal RPM	Rated Load Amps	HP	Wheel Dia x Width	Rated Load Amps	HP		
			208V	240V	208V	240V	208V	240V	208V	240V											
EWC0512P12B	208-230/60/1	197-253	24.5	27.9			25	30			4.9	27.0	18.0	1075	0.9	1/8	10 x 4.5	2.3	1/2	45	284
EWC0712P12B			35.4	40.4			40	45													
EWC0513P12A			24.5	27.9			25	30													
EWC0713P12A			35.4	40.4			40	45													
EWC0512P18B			25.3	28.6	N/A	N/A	30	30	N/A	N/A	6.7	37.5	18.0	1075	1.8	1/4		2.9	1/2	58	302
EWC0712P18B			36.1	41.1			40	45													
EWC1012P18B			47.0	53.6			50	60													
EWC0513P18A			25.3	28.6			30	30													
EWC0713P18A			36.1	41.1			40	45													
EWC1013P18A			47.0	53.6			50	60													
EWC1012P24B			46.7	53.4			50	60			10.2	61.6	18.0	1100	2.8	1/3		2.7	1/2	57	333
EWC1512P24B			25.0	28.4	43.3	50.0	30	30	45	50											
EWC1012P30B			46.8	53.5	N/A	N/A	50	60	N/A	N/A	12.1	78.1	18.0	1200	2.8	1/3		2.8	1/2	60	339
EWC1512P30B			25.2	28.5	43.3	50.0	30	30	45	50											

1 MCA = Minimum Circuit Ampacity

2 MOCP = Maximum Over Current Protection

PERFORMANCE

Model	Cooling			Heating			
	Btuh	SEER / SEER2	S/T	240V		208V	
				kW/Hr	Btu/Hr	kW/Hr	Btu/Hr
EWC0512P12B	12,000	12.0 / 11.7	0.75	4.8	16,300	3.6	12,300
EWC0712P12B				7.2	24,600	5.4	18,400
EWC0513P12A		13.0 / 12.5	0.78	4.8	16,300	3.6	12,300
EWC0713P12A				7.2	24,600	5.4	18,400
EWC0512P18A	17,000	12.0 / 11.7	0.75	4.8	16,300	3.6	12,300
EWC0712P18A				7.2	24,600	5.4	18,400
EWC1012P18A				9.6	32,700	7.2	24,600
EWC0513P18A	17,000 / 16,800	13.0 / 12.5	0.76	4.8	16,300	3.6	12,300
EWC0713P18A				7.2	24,600	5.4	18,400
EWC1013P18A				9.6	32,700	7.2	24,600
EWC1012P24B	22,800 / 22,200	12.0 / 11.7	0.75	9.6	32,700	7.2	24,600
EWC1512P24B				14.4	49,100	10.8	36,900
EWC1012P30B	27,000 / 26,800	12.0 / 11.7	0.75	9.6	32,700	7.2	24,600
EWC1512P30B				14.4	49,100	10.8	36,900

FACTORY FILTER SIZE (IN.) AND PRESSURE DROP (IN. W.C.)

Model	Filter Size	Supply Airflow (CFM)							
		300	400	500	600	700	800	900	1000
All EWC	16.5 x 25	0.01	0.01	0.02	0.03	0.03	0.04	0.05	0.06

Performance based on factory-provided washable filter installed in the unit. If a higher resistance filter is installed in the unit, the added resistance must be included in the external static pressure and must not exceed 0.5 in. w.c. including ductwork.

ACCESSORIES

Description	Kit #	Where Used
Wall Sleeve	CA239	All EWCs
Decorative External Louver Clear Anodized Aluminum	ALVR42	
Decorative External Louver Painted Aluminum	ALVR42P	

BLOWER PERFORMANCE

SUPPLY AIRFLOW PERFORMANCE (SCFM) AS A FUNCTION OF EXTERNAL STATIC PRESSURE							
Model	Indoor Blower Speed	Unit Voltage (V)	0.1" w.c.	0.2" w.c.	0.3" w.c.	0.4" w.c.	0.5" w.c.
EWC0512P12B EWC0513P12A	TAP 1 (HEAT) *	208 or 230	615	590	570	545	525
	TAP 2 (HEAT)	208 or 230	655	630	610	590	570
	TAP 3 (HEAT)	208 or 230	795	780	760	745	725
	TAP 4 (COOL) †	208 or 230	480	460	440	415	390
	TAP 5 (COOL)	208 or 230	530	505	485	460	430
EWC0712P12B EWC0713P12A	TAP 1 (HEAT)	208 or 230	615	590	570	545	525
	TAP 2 (HEAT) *	208 or 230	655	630	610	590	570
	TAP 3 (HEAT)	208 or 230	795	780	760	745	725
	TAP 4 (COOL) †	208 or 230	480	460	440	415	390
	TAP 5 (COOL)	208 or 230	530	505	485	460	430
EWC0512P18B EWC0712P18B EWC0513P18A EWC0713P18A	TAP 1 (HEAT)	208 or 230	805	785	770	750	730
	TAP 2 (HEAT) *	208 or 230	825	805	785	770	750
	TAP 3 (HEAT)	208 or 230	910	890	875	860	845
	TAP 4 (COOL) †	208 or 230	610	580	560	535	515
	TAP 5 (COOL)	208 or 230	630	600	570	550	530
EWC1012P18B EWC1013P18A	TAP 1 (HEAT)	208 or 230	805	785	770	750	730
	TAP 2 (HEAT)	208 or 230	825	805	785	770	750
	TAP 3 (HEAT) *	208 or 230	910	890	875	860	845
	TAP 4 (COOL) †	208 or 230	610	580	560	535	515
	TAP 5 (COOL)	208 or 230	630	600	570	550	530
EWC1012P24B	TAP 1 (HEAT)	208 or 230	805	785	770	750	730
	TAP 2 (HEAT)	208 or 230	825	805	785	770	750
	TAP 3 (HEAT) *	208 or 230	910	890	875	860	845
	TAP 4 (COOL) †	208 or 230	770	750	730	710	690
	TAP 5 (COOL)	208 or 230	820	790	770	750	730
EWC1512P24B	TAP 1 (HEAT)	208 or 230	805	785	770	750	730
	TAP 2 (HEAT)	208 or 230	825	805	785	770	750
	TAP 3 (HEAT) *	208 or 230	910	890	875	860	845
	TAP 4 (COOL) †	208 or 230	770	750	730	710	690
	TAP 5 (COOL)	208 or 230	820	790	770	750	730
EWC1012P30B	TAP 1 (HEAT) *	208 or 230	825	805	785	770	750
	TAP 2 (HEAT)	208 or 230	910	890	875	860	845
	TAP 3 (COOL) †	208 or 230	530	510	490	465	440
	TAP 4 (COOL)	208 or 230	570	545	530	505	480
	TAP 5 (COOL) †	208 or 230	945	920	900	885	865
EWC1512P30B	TAP 1 (HEAT)	208 or 230	825	805	785	770	750
	TAP 2 (HEAT) *	208 or 230	910	890	875	860	845
	TAP 3 (COOL) †	208 or 230	530	510	490	465	440
	TAP 4 (COOL)	208 or 230	570	545	530	505	480
	TAP 5 (COOL) †	208 or 230	945	920	900	885	865

NOTE: EWC**30B models shipped with Low and High stage Cooling taps connected for use of the two-stage system.

* As shipped speed for Heating operation

† As shipped speed for Cooling operation

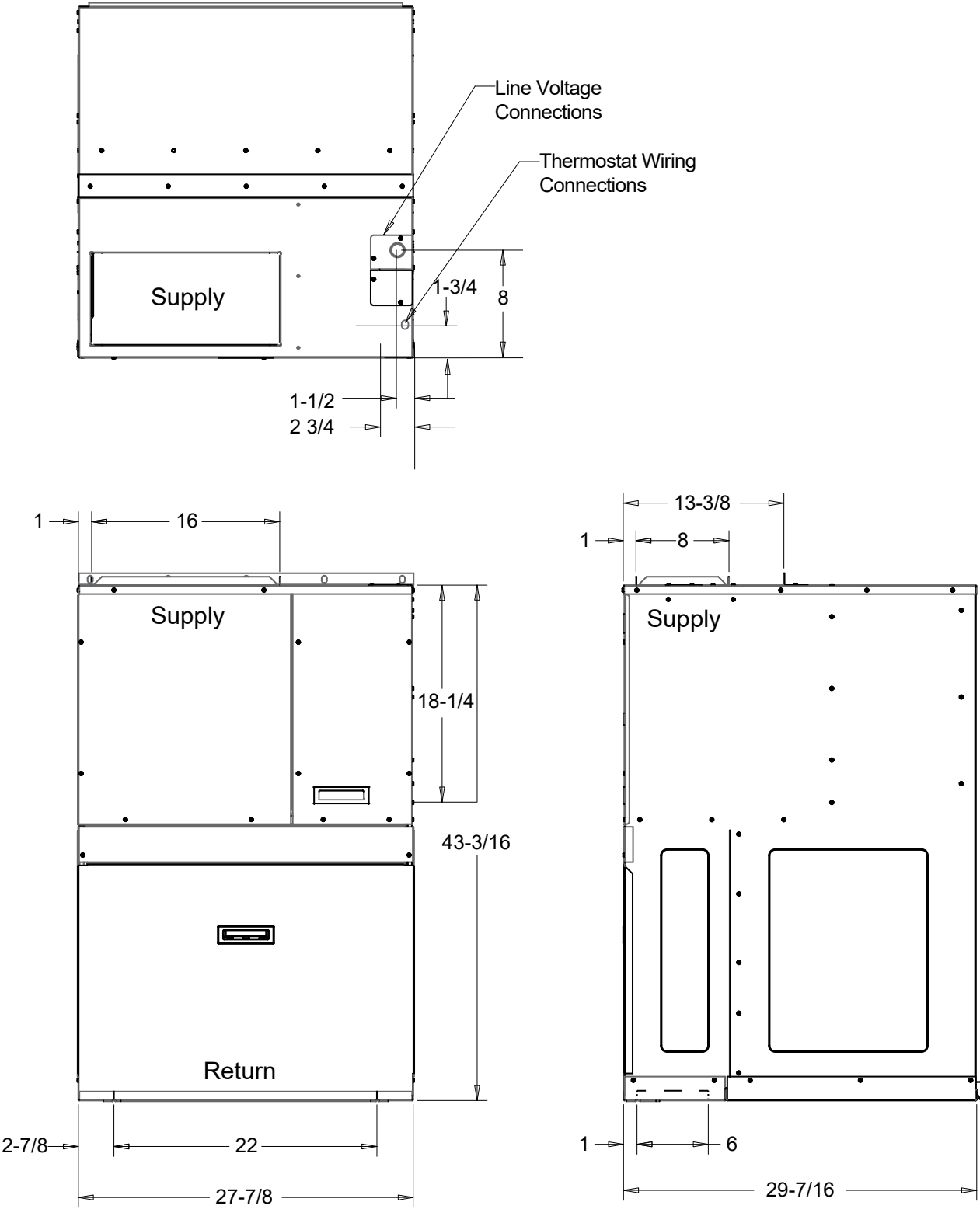
COOLING PERFORMANCE EXTENDED RATINGS

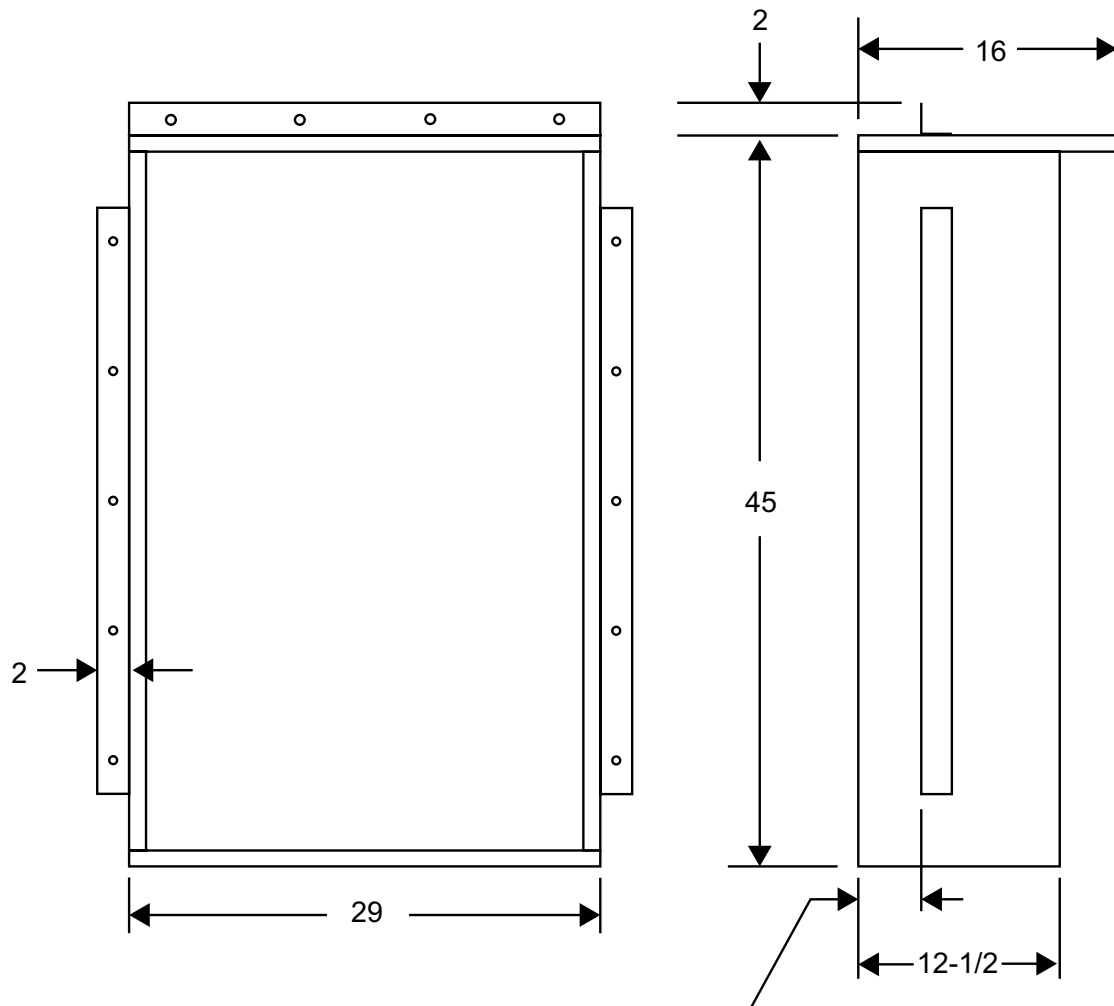
Model	Indoor Temp DB/WB °F	Outdoor Temperature - DB °F (0.1" w.c. External Static Pressure)														
		65			85			95			105			115		
		Btuh	S/T	kW	Btuh	S/T	kW	Btuh	S/T	kW	Btuh	S/T	kW	Btuh	S/T	kW
EWC**12P12B	85/72	16,600	0.62	0.91	15,100	0.65	1.08	13,800	0.68	1.22	12,400	0.73	1.32	11,100	0.77	1.46
	80/67	15,400	0.69	0.92	13,900	0.74	1.07	12,500	0.77	1.21	11,300	0.84	1.31	9,700	0.89	1.45
	75/63	14,400	0.71	0.92	12,700	0.78	1.06	11,300	0.81	1.21	10,100	0.88	1.31	8,500	0.94	1.44
	75/57	13,100	1.00	0.92	11,900	1.00	1.06	10,800	1.00	1.20	9,600	1.00	1.30	8,200	1.00	1.43
EWC**13P12A	85/72	17,200	0.62	0.87	15,600	0.69	1.07	14,400	0.67	1.16	12,900	0.75	1.27	11,500	0.77	1.40
	80/67	15,900	0.69	0.87	14,100	0.76	1.06	13,000	0.77	1.15	11,400	0.85	1.26	9,800	0.90	1.38
	75/63	14,900	0.72	0.87	12,700	0.80	1.06	11,700	0.81	1.15	10,100	0.90	1.26	8,500	0.94	1.37
	75/57	13,500	1.00	0.87	11,900	1.00	1.06	10,700	1.00	1.14	9,900	1.00	1.25	8,600	1.00	1.37
EWC**12P18B	85/72	21,200	0.58	1.22	19,900	0.60	1.50	18,600	0.63	1.59	17,100	0.65	1.73	15,700	0.69	1.87
	80/67	20,000	0.66	1.22	18,600	0.72	1.49	17,200	0.73	1.59	15,700	0.79	1.72	14,100	0.80	1.86
	75/63	19,100	0.69	1.22	17,400	0.73	1.49	15,700	0.76	1.58	14,300	0.78	1.71	12,600	0.83	1.85
	75/57	16,800	1.00	1.22	15,600	1.00	1.48	14,300	1.00	1.57	13,100	1.00	1.70	11,500	1.00	1.84
EWC**13P18A	85/72	21,600	0.65	1.21	20,300	0.67	1.44	19,300	0.68	1.58	17,600	0.72	1.72	15,900	0.75	1.87
	80/67	20,300	0.71	1.21	18,900	0.73	1.43	17,500	0.76	1.56	15,700	0.81	1.70	13,900	0.85	1.86
	75/63	19,400	0.73	1.20	17,400	0.76	1.43	15,900	0.80	1.56	14,100	0.84	1.69	12,300	0.89	1.84
	75/57	17,600	1.00	1.20	16,200	1.00	1.42	14,500	1.00	1.56	13,400	1.00	1.69	12,000	1.00	1.83
EWC**12P24B	85/72	31,100	0.61	1.73	28,300	0.62	2.01	25,600	0.65	2.28	23,400	0.67	2.53	21,100	0.71	2.76
	80/67	28,400	0.67	1.71	25,700	0.69	2.00	23,000	0.73	2.27	20,900	0.75	2.52	19,100	0.79	2.74
	75/63	26,100	0.70	1.70	23,700	0.73	1.97	21,300	0.76	2.25	19,500	0.78	2.51	17,400	0.82	2.74
	75/57	22,500	1.00	1.69	21,200	1.00	1.95	19,800	1.00	2.23	18,500	1.00	2.51	16,800	1.00	2.72
EWC**12P30B	85/72	37,000	0.72	2.41	30,800	0.69	2.83	30,700	0.67	3.08	22,200	0.61	3.29	25,400	0.73	3.62
	80/67	36,700	0.69	2.44	29,700	0.81	2.82	27,400	0.75	3.04	24,200	0.83	3.30	22,400	0.82	3.57
	75/63	33,600	0.63	2.48	22,900	0.87	2.79	25,300	0.78	3.00	22,800	0.81	3.25	20,500	0.85	3.52
	75/57	30,900	1.00	2.50	28,100	1.00	2.79	23,600	1.00	2.97	21,500	1.00	3.22	19,500	1.00	3.51

COOLING PERFORMANCE EXTENDED RATINGS

Model	Indoor Temp DB/WB °F	Outdoor Temperature - DB °F (0.3" w.c. External Static Pressure)														
		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
EWC**12P12B	85/72	16,500	0.60	0.92	14,800	0.63	1.09	13,600	0.67	1.23	12,200	0.72	1.34	10,800	0.76	1.48
	80/67	15,300	0.68	0.93	13,900	0.71	1.08	12,500	0.76	1.22	11,100	0.83	1.33	9,400	0.88	1.46
	75/63	14,200	0.70	0.93	12,300	0.76	1.07	11,100	0.80	1.22	10,000	0.87	1.32	8,300	0.93	1.45
	75/57	12,900	1.00	0.92	11,600	1.00	1.07	10,600	1.00	1.21	9,400	1.00	1.30	8,000	1.00	1.44
EWC**13P12A	85/72	17,000	0.60	0.89	15,400	0.65	1.09	14,300	0.66	1.17	12,800	0.74	1.28	11,400	0.76	1.40
	80/67	15,700	0.67	0.88	14,000	0.73	1.07	12,600	0.76	1.16	11,200	0.84	1.27	9,700	0.89	1.39
	75/63	14,800	0.71	0.88	12,600	0.79	1.07	11,600	0.81	1.16	10,000	0.89	1.27	8,400	0.93	1.38
	75/57	13,400	1.00	0.88	11,700	1.00	1.06	10,500	1.00	1.15	9,600	1.00	1.26	8,400	1.00	1.38
EWC**12P18B	85/72	21,000	0.59	1.31	19,700	0.60	1.52	18,400	0.62	1.68	16,800	0.64	1.80	15,400	0.72	1.97
	80/67	19,800	0.67	1.31	18,500	0.70	1.51	17,100	0.72	1.68	15,500	0.78	1.80	13,800	0.80	1.96
	75/63	18,900	0.69	1.31	17,300	0.71	1.51	15,500	0.75	1.67	14,100	0.77	1.79	12,300	0.86	1.95
	75/57	16,700	1.00	1.31	15,500	1.00	1.50	14,100	1.00	1.67	12,900	1.00	1.78	11,200	1.00	1.94
EWC**13P18A	85/72	21,300	0.63	1.22	20,000	0.65	1.45	18,900	0.67	1.59	17,000	0.71	1.73	15,200	0.74	1.89
	80/67	20,100	0.69	1.22	18,700	0.71	1.44	16,800	0.75	1.58	15,000	0.80	1.72	13,100	0.85	1.88
	75/63	19,200	0.72	1.21	17,100	0.70	1.44	15,200	0.79	1.58	13,500	0.83	1.70	11,400	0.90	1.86
	75/57	17,400	1.00	1.21	15,900	1.00	1.43	13,800	1.00	1.56	12,600	1.00	1.70	11,000	1.00	1.85
EWC**12P24B	85/72	29,700	0.61	1.74	27,600	0.61	2.03	25,000	0.64	2.29	22,700	0.66	2.55	20,300	0.70	2.78
	80/67	28,000	0.66	1.72	24,900	0.68	2.01	22,200	0.72	2.28	20,100	0.74	2.54	18,300	0.78	2.76
	75/63	25,800	0.69	1.71	23,000	0.71	2.00	20,600	0.75	2.26	18,800	0.77	2.53	16,700	0.81	2.76
	75/57	22,200	1.00	1.69	20,500	1.00	1.97	19,200	1.00	2.25	17,800	1.00	2.53	16,100	1.00	2.74
EWC**12P30B	85/72	35,600	0.71	2.49	29,900	0.68	2.91	30,000	0.66	3.11	21,400	0.60	3.34	24,600	0.72	3.64
	80/67	32,700	0.68	2.45	28,800	0.80	2.90	26,800	0.74	3.05	23,500	0.82	3.33	21,700	0.81	3.59
	75/63	30,300	0.62	2.41	22,100	0.86	2.89	24,600	0.77	3.02	22,100	0.80	3.28	19,800	0.84	3.55
	75/57	26,600	1.00	2.40	27,300	1.00	2.88	22,900	1.00	2.99	20,800	1.00	3.25	18,800	1.00	3.54

UNIT DIMENSIONS



WALL SLEEVE DIMENSIONS

Flange may be assembled
1" or 3-3/4" from front of sleeve



215 Metropolitan Drive | West Columbia, SC 29170
800-448-5872
Product Support 866-282-7257
www.magic-pak.com

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