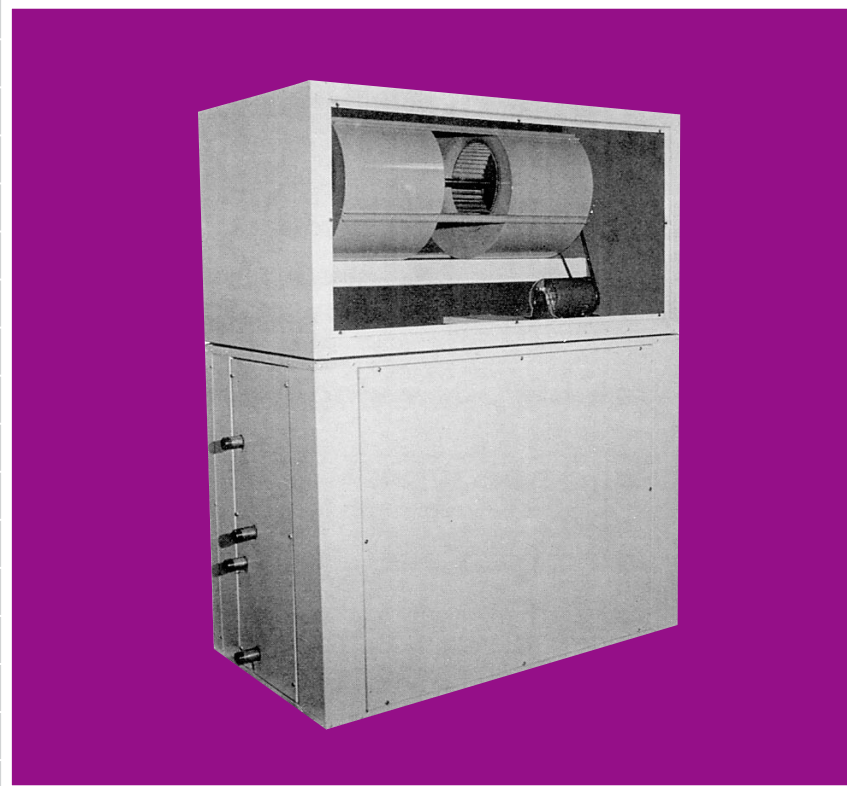


Magic Aire®

BMW SERIES



MODULAR CHILLED WATER BLOWER COIL UNITS

Nominal Sizes 4 thru 20 Ton



MAGICAIRE BMW SERIES FAN COILS ARE ETL
LISTED IN ACCORDANCE WITH UL 1995
AND ARE ASSEMBLED TO ORDER FOR COMPETITIVE DELIVERY.

UNITED ELECTRIC COMPANY, L.P.

501 Galveston St. • Wichita Falls, Texas 76301 • 940-397-2100 • Fax 940-397-2166

Contractor shall furnish and install high quality air handling units as indicated on plans. Sizes and capacities shall be shown in the Unit Schedule included on the drawings. All units shall be the products of *Magic Aire* with the ETL safety listing.

Cabinets shall be fabricated of LFQ (min) steel. External parts are to be made with polyurethane based powder coated A60 galvanealed, while internal parts are to be built from G90 galvanized steel. Units shall pass 500 hour salt spray test as described in ASTM B-117. Large access panels shall be provided to permit full access to internal components. The structural integrity of the cabinets shall remain unaffected by the removal of any or all access panels.

Insulation shall be 3/4" – 1.5 pound density providing effective acoustical and thermal control, fire safety, and resistance to air erosion.

Coils shall be of the staggered tube type constructed with seamless copper tubes and headers, and deep corrugated aluminum fins with straight edges. Manufacturer shall supply full depth collars, drawn in the fin stock to provide accurate control of fin spacing and completely cover the copper tubes to lengthen coil life. The tubes are to be mechanically expanded into the fins for a permanent primary to secondary surface bond, assuring maximum heat transfer efficiency. The coils are to be tested at 500 PSI for operation at 400 PSI gauge. The coils provided shall be suitable for the application and comply with the required performance as described in the Unit Schedule.

Drainpans shall be galvanized steel 3/4" FPT connection.

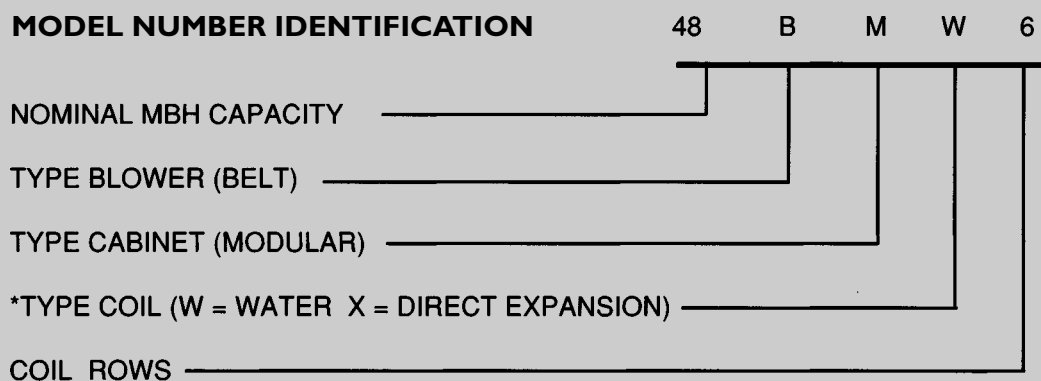
Fan Wheels shall be double width, double inlet, forward curved, centrifugal type. They shall be statically and dynamically balanced for smooth, quiet operation. The housing shall be constructed of heavy gauge steel with die-formed inlet cones. The bearings shall be self aligning, sealed cartridge, permanently lubricated ball bearings that are rubber mounted and shall provide dependable fan operation for an average life of 200,000 hours. The fan shaft shall be solid cold rolled steel designed such that its operating speed is below its first critical speed.

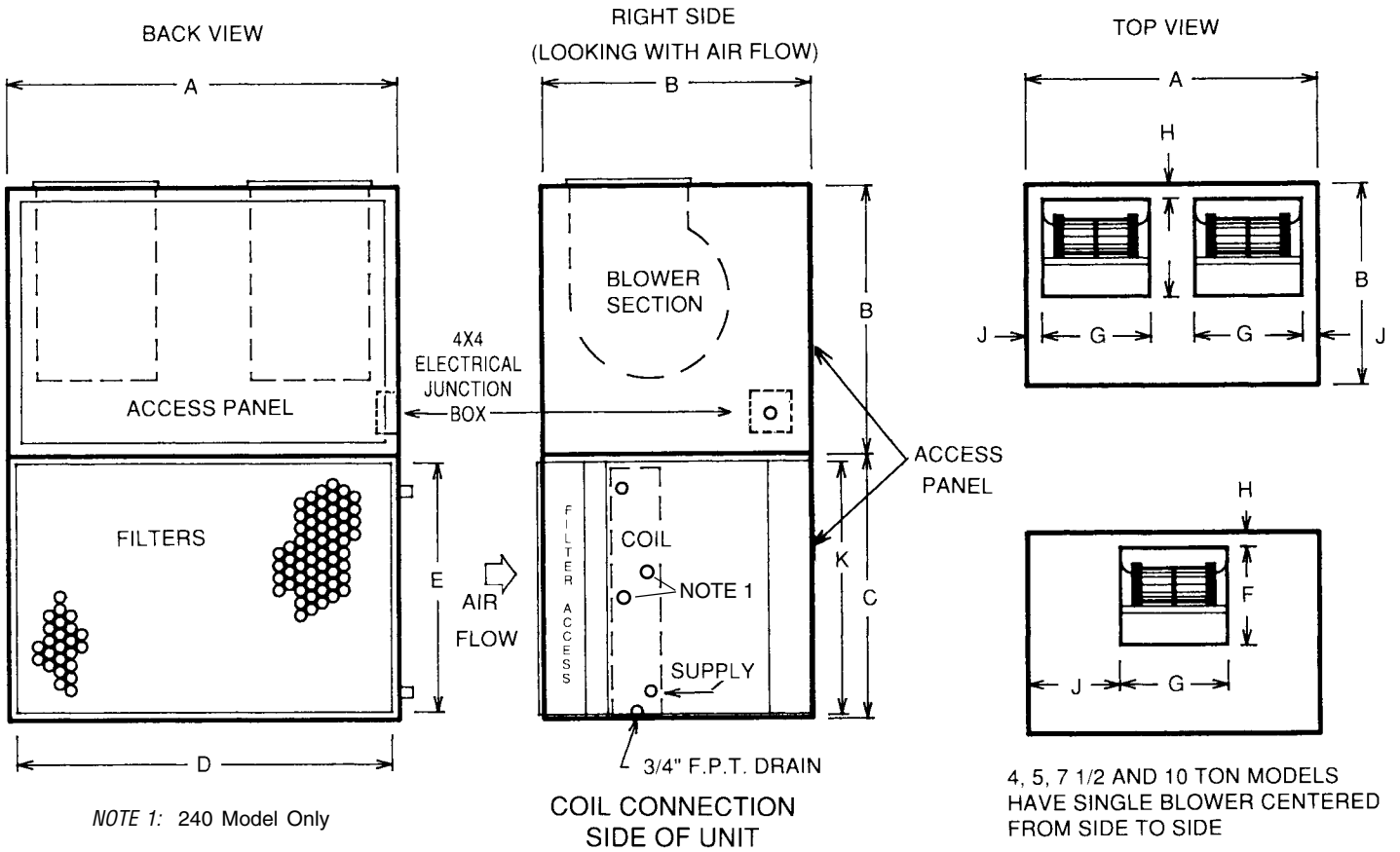
Motors and Drives shall be belt drive, standard duty, 1725 RPM, open, drip-proof construction. Single phase motors shall be provided with resilient mount and automatic reset thermal protection. Drive shall be of the V-belt type. Variable pitch motor sheaves are to be furnished for ease and accuracy in balancing the system and adjusting the required air volume. The motors are to be bolted to an adjustable platform to facilitate belt tension and alignment. The blower sheave shall be cast iron single groove with split tapered bushing that is keyed to the blower shaft.

Filters are to be 2" disposable type. They shall be center loading with an 85% arrestance efficiency. The filters shall be included in the units as an integral part of the cabinet with easy access provided by the manufacturer.

- Controls (i.e. contactor, starter, or transformer/fan relay) not included in standard product. Only ODP, single and three phase motors on 2-5 Ton units are factory-wired to J-box. All other motors require field wiring to J-box located on side of unit cabinet.
- Chilled water (optional hot water or steam) coil stubouts, electrical and drain connections are standard right hand looking at the filters. Optional left hand connections available (see price sheets for additional charge).
- 48 to 240 BMW are two-piece units and each section is individually cartoned.
- Optional fan discharge arrangements are achieved by field repositioning of access panels.
- Stocked Optional Accessories:
 - 2 Row Hot Water Heating Coil – Specify preheat (std) or reheat (opt price deduct)
 - Discharge Plenum with four-way Deflection Grilles
 - Return Air Grille
 - 2” Pleated Filters
 - 6” Leg Kits
 - MX Series Mixing Box (field install)
 - Actuator Kits for Mixing Box (field install and wire)
- Non-Stock Options:
 - Special Insulation
 - Steam Coils (See Steam Brochure)
 - Electric Heat
 - Stainless Steel Drain Pan
 - Downflow Arrangement

Product Description





DIMENSIONS

MODEL	A	B	C	D	E	F	G	H	J	K	L
48-60 BM	40.00	26.00	27.50	36.00	25.50	11.88	13.63	1.13	13.13	21.25	-
90-120 BM	50.00	34.00	34.50	48.00	32.00	16.38	19.00	1.13	15.44	27.88	-
180-240 BM	72.00	34.00	47.50	66.00	45.00	16.38	16.38	1.13	14.00	34.00	-

SPECIFICATIONS

MODEL	NOM CAP	FA SQ. FT	COIL CONNECTION						FILTER 2"
			4 ROW	WT.	6 ROW	WT.	2 ROW	WT.*	
48-BMW	4	4.16	.875	321	1.125	377	.875	30	2-20 x 25
60-BMW	5	5.21	1.125	344	1.125	400	1.125	34	2-20 x 25
90-BMW	7.5	6.94	1.125	584	1.375	637	1.125	49	4-16 x 25
120-BMW	10	8.33	1.375	584	1.625	637	1.125	53	4-16 x 25
180-BMW	15	12.50	1.375	844	1.625	930	1.125	86	2-16 x 20 2-20 x 20 2-16 x 25 2-20 x 25
240-BMW	20	17.71	2-1.625	890	2-1.625	996	2-1.125	106	

*Coil only.

Specifications subject to change without notice due to continuing effort to improve our product.

Available Motors (60 Hz)

HORSE POWER	VOLTAGE/PHASE
1/4, 1/3	115/1 Split Phase
1/4, 1/3, 1/2, 3/4, 1, 1 1/2, 2	115/208-230/1
1/4, 1/3, 1/2, 3/4	115/1 2 SPD
1/4, 1/3, 1/2, 3/4	230/1 2 SPD
1/4, 1/3, 1/2, 3/4, 1, 1 1/2	277/1
1/3, 1/2, 3/4, 1, 1 1/2, 2, 3, 5, 7 1/2, 10	208-230/460/3

- Select appropriate motor horsepower from pages 7-8.
- Consult List Price Pages for motor installation and options.
- When ordering, specify HP – voltage/phase – CFM@ESP.
- For motors not listed, contact factory.

Only ODP, single and three phase motors on 2-5 Ton units are factory-wired to J-box. All others require field wiring to J-box on side of unit cabinet.

Full-Load Currents in Amperes, Single Phase Alternating-Current Motors*

The following values of full-load currents are for motors running at usual speeds and motors with normal torque characteristics. Motors built for especially low speeds or high torques may have higher full-load currents, and multi-speed motors will have full-load current varying with speed, in which case, the nameplate current rating shall be used.

The voltages listed are rated motor voltages. The currents listed shall be permitted for system voltage ranges of 110 to 120 and 220 to 240 volts.

HORSEPOWER	115 volts	200 volts	208 volts	230 volts
1/4	5.8	3.3	3.2	2.9
1/3	7.2	4.1	4.0	3.6
1/2	9.8	5.6	5.4	4.9
3/4	13.8	7.9	7.6	6.9
1	16	9.2	8.8	8
1.5	20	11.5	11	10
2	24	13.8	13.2	12

*Values from NEC Handbook 1999 Edition, actual motor nameplate amps may vary.

Full-Load Currents in Amperes, Three Phase Alternating-Current Motors*

The following values of full-load currents are typical for motors running at speeds usual for belted motors and motors with normal torque characteristics. Motors built for low speeds (1200 RPM or less) or high torques may require more running current, and multi-speed motors will have full-load current varying with speed. In these cases, the nameplate current rating shall be used.

The voltages listed are rated motor voltages. The currents listed shall be permitted for system voltage ranges of 110 to 120, 220 to 240, 440 to 480, and 550 to 600 volts.

HORSEPOWER	200 volts	208 volts	230 volts	460 volts	575 volts
1/2	2.5	2.4	2.2	1.1	0.9
3/4	3.7	3.5	3.2	1.6	1.3
1	4.8	4.6	4.2	2.1	1.7
1.5	6.9	6.6	6	3	2.4
2	7.8	7.5	6.8	3.4	2.7
3	11	10.6	9.6	4.8	3.9
5	17.5	16.7	15.2	7.6	6.1
7.5	25.3	24.2	22	11	9
10	32.2	30.8	28	14	11

*Values from NEC Handbook 1999 Edition, actual motor nameplate amps may vary.

FAN PERFORMANCE

MODEL	INTER S.P.	CFM	.25" ESP		.50" ESP		.75" ESP		1.00" ESP		1.25" ESP		1.50" ESP	
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
48 BMW-6	.35	1200	800	.25	930	.30	1045	.35	1175	.45	1270	.55	1380	.60
	.38	1400	840	.30	960	.35	1060	.45	1185	.60	1285	.65	1395	.70
	.42	1600	880	.40	985	.50	1090	.60	1205	.75	1300	.80	1410	.85
	.45	1800	925	.55	1025	.65	1125	.75	1230	.90	1315	.90	1430	1.00
	.49	2000	1000	.65	1075	.80	1170	.90	1265	1.00	1335	1.10	1455	1.20
60 BMW-6	.40	1500	840	.35	955	.45	1045	.55	1175	.65	1275	.70	1360	.80
	.45	1750	895	.45	1000	.55	1080	.65	1200	.80	1290	.90	1375	1.00
	.49	2000	970	.65	1055	.75	1135	.90	1245	1.00	1310	1.15	1390	1.25
	.55	2250	1030	.85	1115	.95	1205	1.15	1290	1.25	1355	1.35	1430	1.45
	.61	2500	1110	1.10	1190	1.25	1280	1.40	1330	1.45	1400	1.55	1475	1.65
90 BMW-6	.24	2250	470	.36	592	.49	682	.62	775	.76	848	.87	926	1.03
	.32	2625	525	.46	617	.60	696	.76	783	.90	858	1.10	931	1.19
	.40	3000	551	.60	641	.74	723	.90	798	1.06	861	1.15	940	1.37
	.50	3375	600	.77	673	.93	769	1.09	819	1.26	887	1.39	956	1.64
	.61	3750	643	.98	719	1.15	844	1.21	846	1.54	916	1.68	969	1.92
120 BMW-6	.40	3000	551	.60	641	.74	723	.90	798	1.06	861	1.15	940	1.37
	.55	3500	617	.84	686	1.00	767	1.18	821	1.34	905	1.52	964	1.70
	.68	4000	667	1.14	752	1.32	803	1.50	868	1.72	935	1.94	987	2.17
	.84	4500	731	1.52	792	1.75	853	1.97	913	2.15	972	2.45	1028	2.74
	1.01	5000	791	1.97	856	2.01	908	2.51	959	2.77	1015	3.00	1067	3.29
180 BMW-6	.47	5000	567	1.02	653	1.31	729	1.53	809	1.70	885	2.10	953	2.43
	.56	5500	603	1.28	684	1.53	757	1.83	828	2.13	900	2.45	964	2.77
	.65	6000	634	1.53	711	1.85	780	2.16	840	2.48	915	2.79	974	3.12
	.74	6500	666	1.85	737	2.17	805	2.49	869	2.82	931	3.13	992	3.60
	.84	7000	702	2.20	768	2.61	830	2.83	892	3.20	952	3.64	1010	4.09
240 BMW-6	.40	7000	571	1.62	647	1.98	718	2.32	782	2.60	845	2.92	907	3.32
	.45	7500	597	1.92	669	2.26	735	2.58	798	2.92	857	3.32	917	3.74
	.51	8000	622	2.24	694	2.58	756	2.92	816	3.32	875	3.74	933	4.24
	.57	8500	650	2.58	717	2.94	776	3.34	834	3.76	891	4.24	948	4.86
	.62	9000	676	2.96	737	3.34	795	3.74	851	4.20	907	4.84	964	5.48

MODEL	INTER S.P.	CFM	.25" ESP		.50" ESP		.75" ESP		1.00" ESP		1.25" ESP		1.50" ESP	
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
48 BMW-6 w/48 MH-2	.45	1200	820	.30	950	.35	1070	.40	1200	.50	1300	.65	1410	.70
	.51	1400	860	.35	980	.40	1085	.50	1215	.65	1325	.75	1435	.80
	.57	1600	900	.45	1005	.55	1115	.65	1230	.80	1345	.90	1455	.95
	.65	1800	945	.60	1045	.70	1150	.80	1255	.95	1360	1.00	1475	1.10
	.73	2000	1020	.70	1095	.85	1195	.95	1290	1.05	1380	1.20	1500	1.30
60 BMW-6 w/60 MH-2	.45	1500	860	.40	975	.50	1070	.60	1200	.70	1305	.80	1390	.90
	.51	1750	915	.50	1020	.60	1105	.70	1225	.85	1330	1.00	1415	1.10
	.57	2000	990	.70	1075	.80	1160	.95	1270	1.05	1355	1.25	1435	1.35
	.65	2250	1050	.90	1135	1.00	1230	1.20	1315	1.30	1400	1.45	1475	1.55
	.73	2500	1130	1.15	1210	1.30	1305	1.45	1355	1.50	1445	1.65	1520	1.75
90 BMW-6 w/90 MH-2	.29	2250	504	.52	612	.51	712	.64	790	.77	869	.93	943	1.06
	.39	2625	546	.51	644	.64	729	.78	809	.95	882	1.09	956	1.23
	.48	3000	585	.64	670	.79	747	.95	821	1.10	897	1.27	966	1.42
	.60	3375	631	.83	708	.99	774	1.15	850	1.37	920	1.49	984	1.71
	.71	3750	676	1.06	743	1.24	808	1.43	878	1.62	941	1.85	1002	2.07
120 BMW-6 w/120 MH-2	.48	3000	585	.64	670	.79	747	.95	821	1.10	897	1.27	966	1.42
	.66	3500	658	.91	722	1.00	794	1.25	865	1.62	932	1.62	995	1.85
	.83	4000	715	1.25	777	1.43	843	1.64	909	1.85	969	2.08	1026	2.34
	1.01	4500	773	1.66	834	1.88	895	2.11	954	2.36	1012	2.63	1062	2.89
	1.22	5000	842	2.20	900	2.46	956	2.72	1011	2.97	1058	3.23	1107	3.49
180 BMW-6 w/180 MH-2	.57	5000	603	1.13	686	1.38	765	1.65	839	1.93	912	2.23	977	2.65
	.68	5500	642	1.39	720	1.50	791	1.97	851	2.29	930	2.60	994	2.96
	.80	6000	681	1.81	752	2.03	821	2.64	889	2.64	952	2.96	1014	3.37
	.90	6500	713	2.07	779	2.37	844	2.68	909	2.98	970	3.43	1028	3.90
	1.02	7000	776	2.43	812	2.77	875	3.08	935	3.52	995	3.96	1050	4.45
240 BMW-6 w/240 MH-2	.50	7000	603	1.76	679	2.10	744	2.42	808	2.74	870	3.06	931	3.50
	.56	7500	629	2.08	700	2.40	763	2.74	824	3.06	883	3.50	943	3.92
	.64	8000	663	2.48	727	2.88	788	3.12	847	3.54	905	3.96	963	4.50
	.71	8500	688	2.78	750	3.16	810	3.56	866	3.96	923	4.56	980	5.18
	.78	9000	716	3.24	775	3.52	833	4.00	887	4.66	944	5.26	1000	5.90

CHILLED WATER COOLING CAPACITIES

180 BMW-4

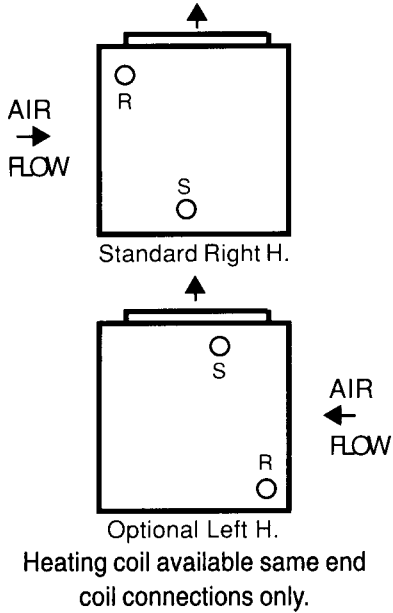
Ent Wtr	GPM	PD FT.	CFM	85 degF DB/71 deg.F WB					80 deg.F DB/67 degF WB					75 degF DB/63 deg.F WB				
				TTL MBH	SENS MBH	LVG AIR		LWT	TTL MBH	SENS MBH	LVG AIR		LWT	TTL MBH	SENS MBH	LVG AIR		LWT
						DB	WB				DB	WB				DB	WB	
42	20.0	2.70	5000	170.0	120.0	62.8	61.2	59.1	143.0	110.0	59.7	58.0	56.4	119.0	99.0	56.6	54.9	54.0
			6000	180.0	133.0	64.5	62.5	60.1	153.0	123.0	61.1	59.1	57.4	128.0	111.0	57.9	55.8	54.9
			7000	190.0	145.0	65.8	63.4	61.0	162.0	134.0	62.3	59.9	58.2	136.0	121.0	59.0	56.5	55.6
	32.0	6.50	5000	202.0	132.0	60.6	59.1	54.7	170.0	120.0	57.7	56.2	52.6	139.0	109.0	54.9	53.4	50.7
			6000	217.0	147.0	62.4	60.5	55.6	182.0	135.0	59.2	57.4	53.4	149.0	121.0	56.3	54.5	51.4
			7000	229.0	161.0	63.8	61.6	56.3	193.0	148.0	60.5	58.4	54.1	159.0	133.0	57.4	55.3	52.0
	44.0	11.90	5000	220.0	138.0	59.4	57.9	52.0	183.0	126.0	56.7	55.2	50.4	149.0	113.0	54.1	52.6	48.8
			6000	237.0	154.0	61.2	59.4	52.8	199.0	141.0	58.3	56.5	51.0	162.0	127.0	55.4	53.7	49.4
			7000	252.0	169.0	62.7	60.6	53.5	211.0	154.0	59.6	57.5	51.6	173.0	139.0	56.6	54.6	49.9
45	20.0	2.70	5000	156.0	115.0	63.8	62.1	60.6	130.0	104.0	60.7	58.9	58.1	107.0	93.0	57.7	55.8	55.8
			6000	166.0	128.0	65.3	63.2	61.7	140.0	117.0	62.0	59.8	59.0	116.0	104.0	58.9	56.5	56.6
			7000	175.0	140.0	66.5	64.0	62.5	148.0	128.0	63.1	60.5	59.9	123.0	113.0	60.1	57.1	57.4
	32.0	6.50	5000	184.0	125.0	61.9	60.3	56.5	152.0	113.0	59.0	57.5	54.5	122.0	101.0	56.3	54.7	52.6
			6000	197.0	139.0	63.5	61.6	57.4	163.0	126.0	60.5	58.6	55.2	132.0	113.0	57.5	55.5	53.3
			7000	208.0	153.0	64.8	62.6	58.0	173.0	139.0	61.6	59.4	55.8	142.0	125.0	58.5	56.2	53.9
	44.0	11.80	5000	200.0	131.0	60.8	59.3	54.1	164.0	118.0	58.1	56.6	52.5	130.0	105.0	55.6	54.1	50.9
			6000	216.0	146.0	62.5	60.6	54.8	177.0	132.0	59.6	57.7	53.1	142.0	118.0	56.8	55.0	51.5
			7000	229.0	161.0	63.8	61.7	55.4	189.0	146.0	60.7	58.6	53.6	152.0	130.0	57.8	55.7	51.9
48	20.0	2.70	5000	142.0	109.0	64.8	63.0	62.2	117.0	99.0	61.7	59.8	59.8	96.0	87.0	58.9	56.6	57.6
			6000	152.0	123.0	66.1	63.9	63.2	127.0	110.0	63.0	60.6	60.7	97.0	96.0	60.2	57.6	57.8
			7000	161.0	134.0	67.3	64.6	64.1	135.0	120.0	64.1	61.2	61.5	104.0	103.0	61.4	58.1	58.5
	32.0	6.50	5000	165.0	118.0	63.1	61.5	58.4	134.0	106.0	60.3	58.7	56.4	106.0	94.0	57.6	55.8	54.7
			6000	177.0	132.0	64.6	62.6	59.1	145.0	119.0	61.6	59.6	57.1	116.0	106.0	58.7	56.5	55.3
			7000	188.0	145.0	65.8	63.5	59.8	155.0	132.0	62.6	60.2	57.7	125.0	116.0	59.7	57.0	55.9
	44.0	11.80	5000	179.0	123.0	62.2	60.6	56.2	144.0	111.0	59.5	58.0	54.6	112.0	97.0	57.1	55.4	53.1
			6000	193.0	138.0	63.7	61.8	56.8	156.0	124.0	60.9	59.0	55.1	123.0	110.0	58.1	56.1	53.6
			7000	205.0	152.0	64.9	62.7	57.4	166.0	137.0	61.9	59.7	55.6	133.0	121.0	59.0	56.7	54.1

180 BMW-6

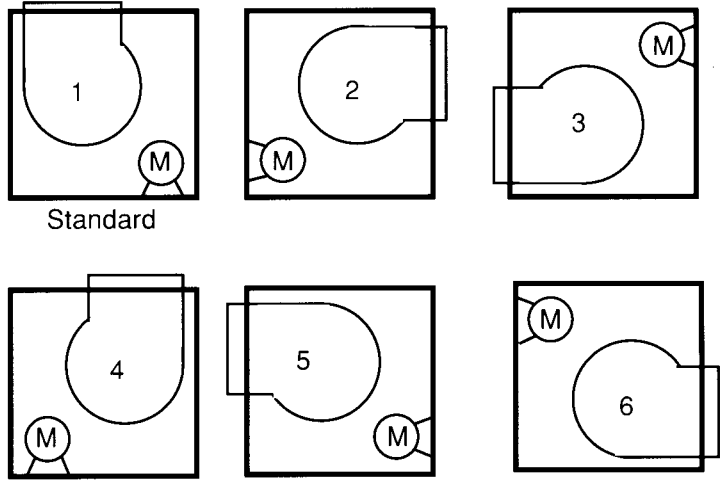
Ent Wtr	GPM	PD FT.	CFM	85 degF DB/71 deg.F WB					80 deg.F DB/67 degF WB					75 degF DB/63 deg.F WB				
				TTL MBH	SENS MBH	LVG AIR		LWT	TTL MBH	SENS MBH	LVG AIR		LWT	TTL MBH	SENS MBH	LVG AIR		LWT
						DB	WB				DB	WB				DB	WB	
42	19.0	2.40	5000	204.0	137.0	59.6	59.0	63.6	174.0	127.0	56.5	55.9	60.3	145.0	115.0	53.7	52.9	57.4
			6000	219.0	154.0	61.2	60.4	65.1	187.0	142.0	58.1	57.2	61.8	158.0	130.0	55.0	54.0	58.7
			7000	232.0	170.0	62.6	61.5	66.4	199.0	157.0	59.3	58.1	63.0	169.0	142.0	56.2	54.8	59.8
	51.0	15.40	5000	281.0	168.0	54.0	53.5	53.0	234.0	152.0	51.9	51.4	51.2	191.0	136.0	49.9	49.4	49.5
			6000	308.0	188.0	56.0	55.3	54.1	258.0	172.0	53.5	52.9	52.1	210.0	154.0	51.3	50.6	50.3
			7000	331.0	208.0	57.6	56.8	55.0	278.0	189.0	55.0	54.1	52.9	227.0	170.0	52.5	51.7	50.9
	72.0	29.50	5000	298.0	175.0	52.7	52.3	50.3	247.0	158.0	50.8	50.3	48.9	201.0	140.0	49.1	48.6	47.6
			6000	330.0	197.0	54.6	54.0	51.2	275.0	179.0	52.4	51.8	49.6	223.0	160.0	50.4	49.8	48.2
			7000	358.0	218.0	56.2	55.4	51.9	298.0	198.0	53.8	53.0	50.3	243.0	177.0	51.6	50.8	48.8
45	19.0	2.40	5000	188.0	131.0	60.7	60.1	64.9	159.0	120.0	57.7	57.0	61.8	132.0	109.0	54.8	54.0	58.9
			6000	203.0	148.0	62.2	61.3	66.4	172.0	136.0	59.1	58.0	63.1	144.0	123.0	56.1	54.8	60.2
			7000	215.0	164.0	63.4	62.3	67.7	184.0	150.0	60.2	58.9	64.4	154.0	135.0	57.2	55.6	61.3
	51.0	15.30	5000	256.0	157.0	55.9	55.4	55.1	210.0	142.0	53.8	53.2	53.3	167.0	125.0	51.8	51.3	51.6
			6000	281.0	178.0	57.6	57.0	56.0	231.0	161.0	55.2	54.6	54.1	183.0	142.0	53.1	52.4	52.2
			7000	301.0	196.0	59.1	58.3	56.8	248.0	178.0	56.5	55.7	54.8	199.0	158.0	54.1	53.2	52.8
	72.0	29.30	5000	271.0	164.0	54.7	54.3	52.6	222.0	147.0	52.9	52.3	51.2	175.0	129.0	51.1	50.6	49.9
			6000	300.0	185.0	56.5	55.8	53.4	246.0	167.0	54.3	53.6	51.8	195.0	147.0	52.3	51.6	50.4
			7000	325.0	205.0	57.9	57.1	54.0	267.0	185.0	55.6	54.7	52.4	210.0	164.0	53.4	52.6	50.9
48	19.0	2.40	5000	173.0	125.0	61.8	61.1	66.2	144.0	115.0	58.8	58.0	63.3	119.0	102.0	56.1	54.9	60.6
			6000	187.0	142.0	63.1	62.1	67.7	158.0	129.0	60.1	58.9	64.6	130.0	113.0	57.5	55.7	61.7
			7000	199.0	157.0	64.3	63.0	69.0	169.0	142.0	61.2	59.6	65.8	123.0	122.0	58.9	57.1	61.1
	51.0	15.30	5000	230.0	148.0	57.7	57.2	57.1	185.0	132.0	55.6	55.1	55.3	143.0	115.0	53.8	53.2	53.6
			6000	253.0	167.0	59.3	58.6	57.9	203.0	150.0	56.9	56.2	56.0	159.0	131.0	54.8	53.9	54.2
			7000	271.0	185.0	60.6	59.7	58.6	218.0	166.0	58.1	57.2	56.6	173.0	146.0	55.7	54.6	54.8
	72.0	29.20	5000	244.0	153.0	56.7	56.2	54.8	195.0	136.0	54.9	54.4	53.4	148.0	117.0	53.3	52.7	52.1
			6000	270.0	173.0	58.3	57.6	55.5	216.0	154.0	56.2	55.4	54.0	166.0	134.0	54.3	53.5	52.6
			7000	292.0	192.0	59.6	58.7	56.1	234.0	173.0	57.2	56.4	54.5	182.0	151.0	55.1	54.1	53.1

BLOWER & COIL ARRANGEMENTS

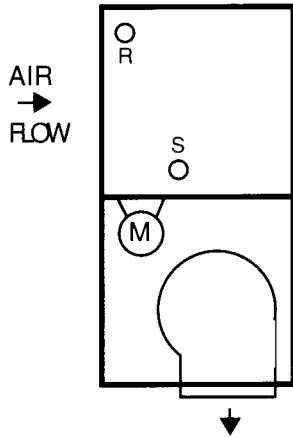
COIL HAND ARRANGEMENT



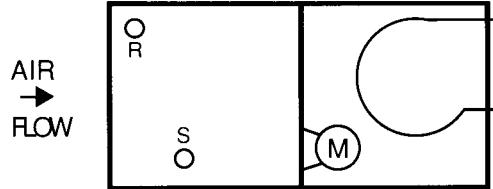
BLOWER ARRANGEMENTS



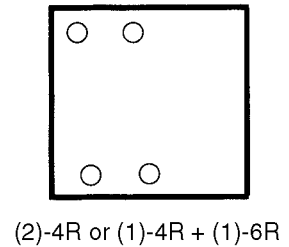
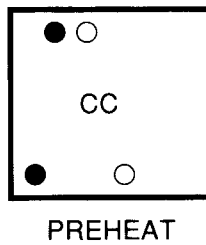
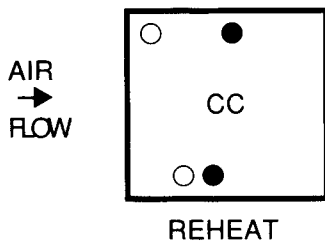
(MAX. 8 ROWS)
OPT. DOWN FLOW
(Max. 400 FPM Coil Velocity)
(Factory Conversion Only)



OPT. HORIZONTAL
(Factory Conversion)
(See O & M For Field Conversion)

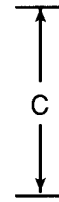
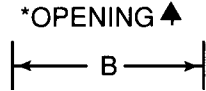
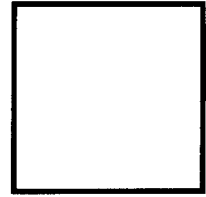
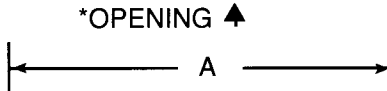
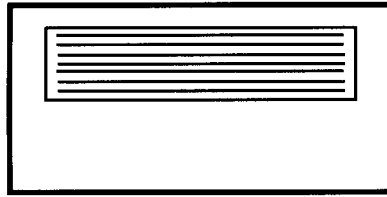


OPTIONAL COIL COMBINATIONS



- CW COIL
- HW COIL

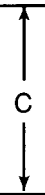
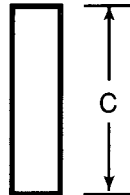
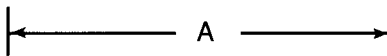
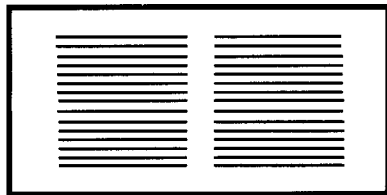
DISCHARGE GRILLE PLENUM (Adjustable four way deflection)



NOT AVAILABLE
WITH ELECTRIC HEAT

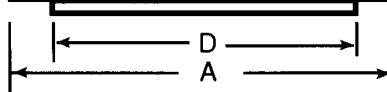
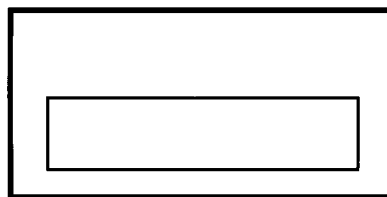
MODEL	A	B	C	WT
48-60 BMGP	40.0	26.0	23.0	75
90-120 BMGP	50.0	34.0	26.5	90
180-240 BMGP	72.0	34.0	36.0	240

RETURN AIR GRILLE (Fabricated of Expanded Metal)

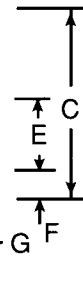
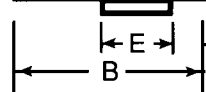
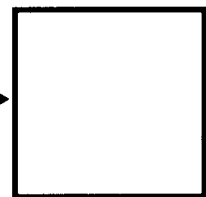


MODEL	A	B	C	WT
48-60 BMRP	36.0	2.0	25.5	9
90-120 BMRP	48.0	2.0	32.0	19
180-240 BMRP	66.0	2.0	45.0	24

MIXING BOX (Low leak dampers)



*OPENING →

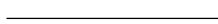



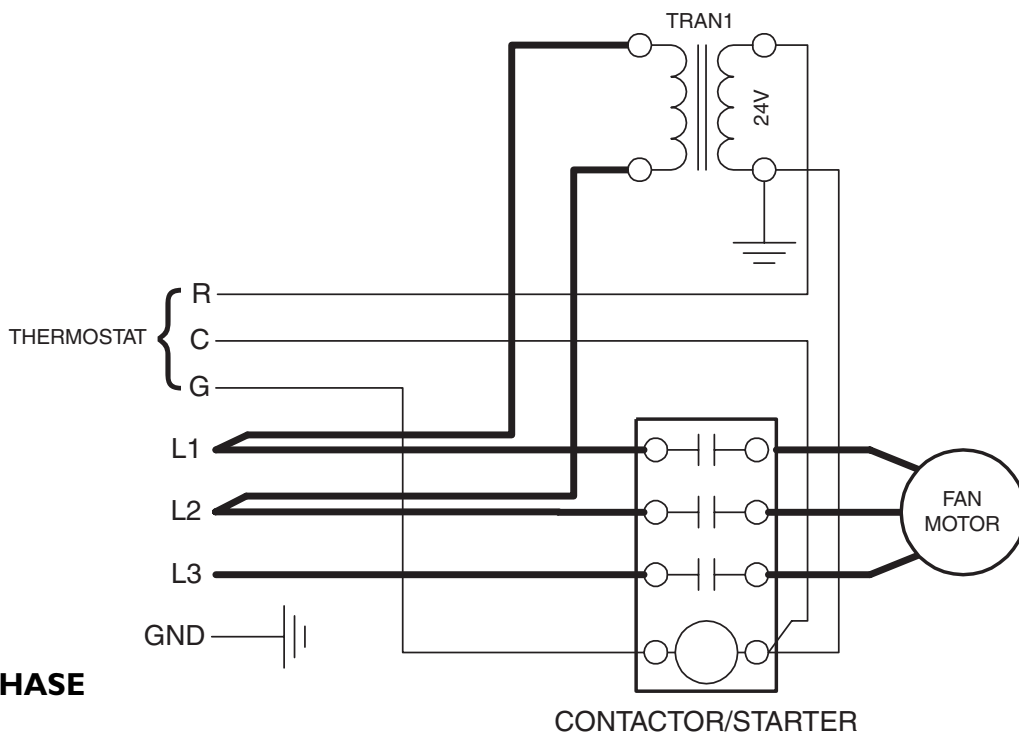
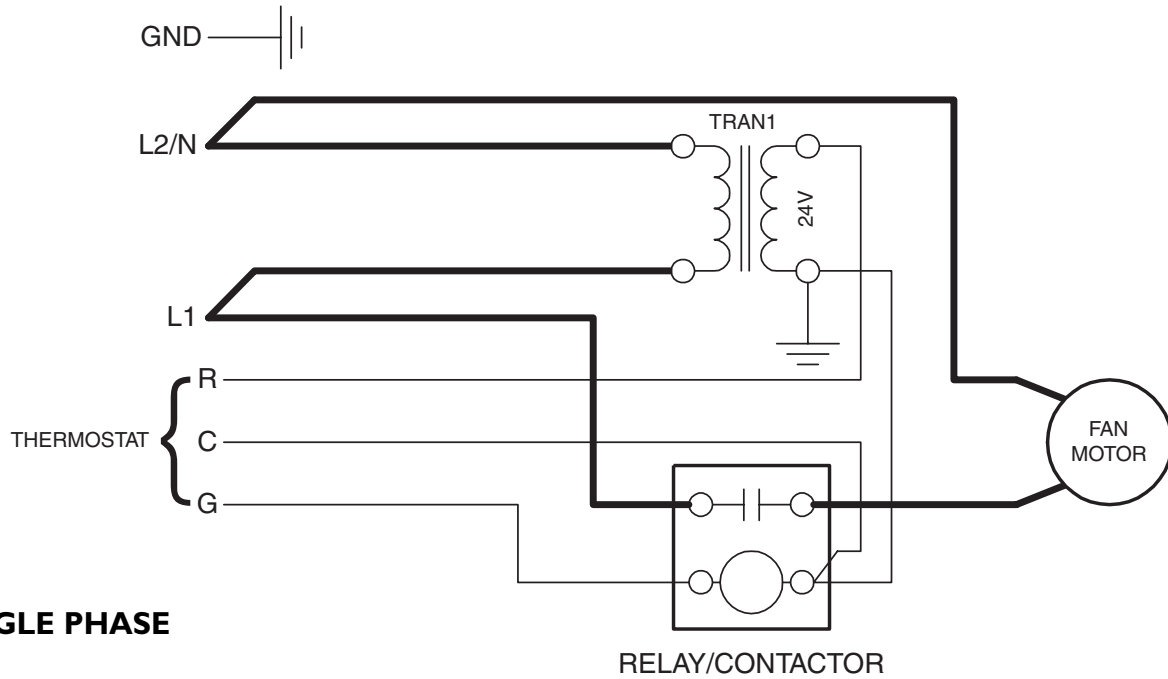
MODEL	A	B	C	D	E	F	G	WT
48-60 MX	36.0	16.0	25.5	34.0	8.0	8.0	3.5	75
90-120 MX	48.0	20.0	32.0	46.0	12.0	10.0	3.5	131
180-240 MX	66.0	22.0	45.0	64.0	14.0	15.0	3.5	201

*Unit side connection

Wiring, transformer, fan relay and terminal strips field provided. **Transformer Primary must match Supply Voltage.**

REFER TO NAMEPLATE FOR PROPER VOLTAGE

LOW VOLTAGE WIRING 
HIGH VOLTAGE WIRING 



Magic Aire®

United Electric Company designs and builds its *Magic Aire* products to comply and perform to the following standards:

AIR FLOW	General	AMCA 210 ASHRAE 51
	Belt Drive Equipment	ARI 430
	Direct Drive Equipment	ARI 440
COIL CAPACITY	Hydronic	ARI 410
	Direct Expansion	ARI 210
IN DUCT SOUND RATINGS	Air Moving Equipment	ASHRAE 68 AMCA 330
SAFETY AGENCY LISTINGS	Coils UL Report # Equipment	UL 207 SA 3438 CAN/CSA C22.2 #236 ANSI/UL-1995
	ETL Report #	491893
MATERIAL SPECIFICATIONS	Sheet Metal	ASTM A525 ASTM A527
	Copper Tubing	ASTM B68 ASTM B75 ASTM B88
	Aluminum	ASTM B251 ASTM B209
MAJOR COMPONENTS	Motors	UL/CSA NEMA
	Wire	UL/CSA
	Electrical Filters	UL/CSA UL
	Fiberglass	ASHRAE 52 UL 181 UL 723 (25/50)
	Paint	ASTM E-84 ASTM B117

UNITED ELECTRIC COMPANY, L.P.

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