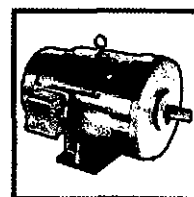
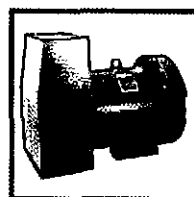
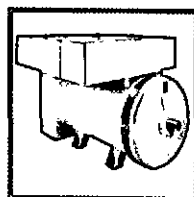
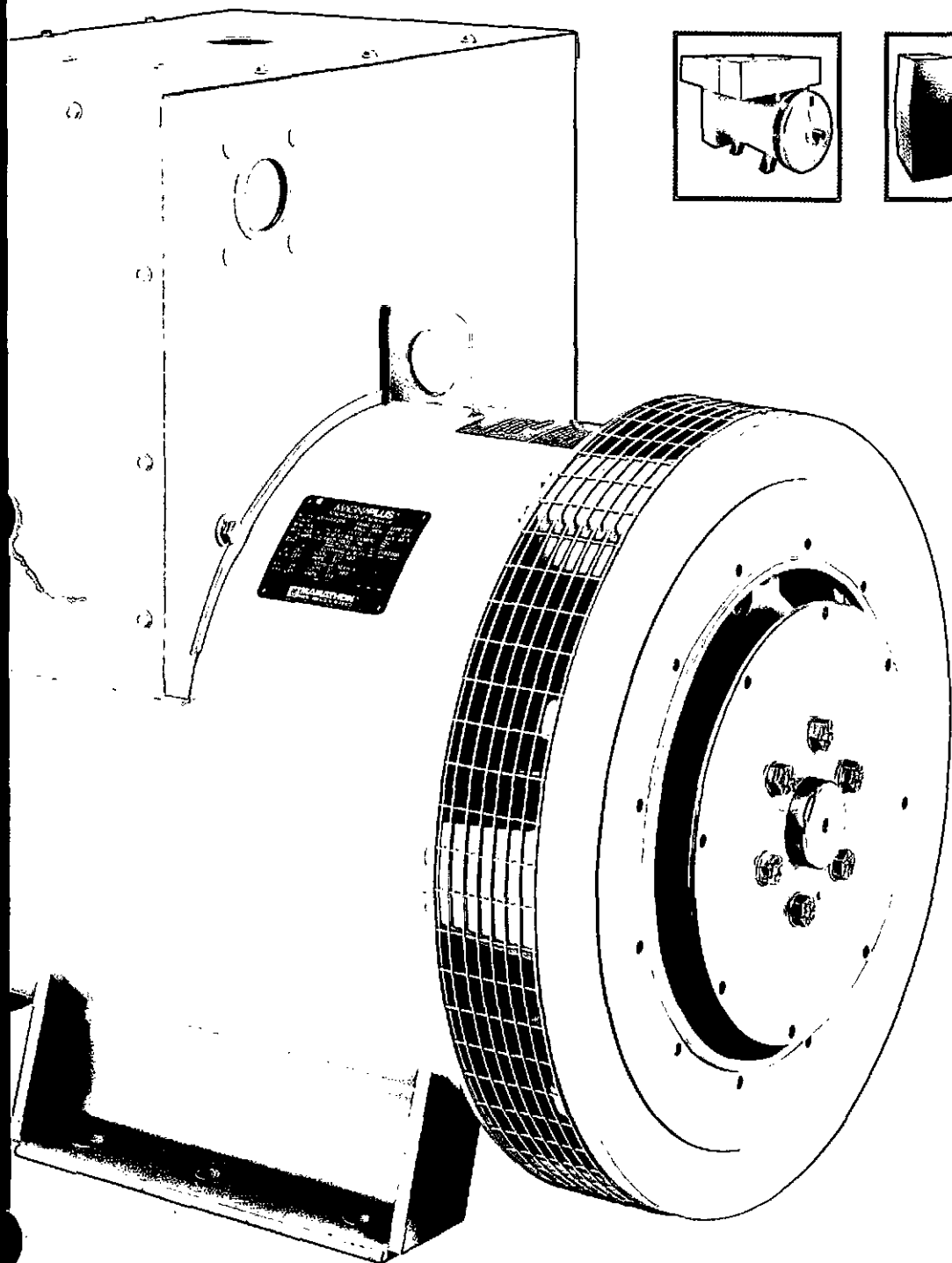


Generators

Selection and Pricing Catalog

Prices Effective November 1, 1999



ISO 9002 Certified

MARATHON
ELECTRIC

A Subsidiary of Regal-Beloit Corporation

Generator Selection and Pricing Catalog

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Note: For special models not shown in this catalog, please refer to local representatives or the factory. Please refer to the map and table on the back cover of this publication to obtain the name and number of our Sales Representative covering your area. Prices in this publication are in effect as of November 1, 1999, and supersede all previous price lists. Prices and data presented in this publication are subject to change without notice.

425

4-Pole, Three Phase

240Y/480Y Volts (10-12 Leads)
480Y Volts (4 Leads)

**60
Hertz**

Specifications: NEMA Class H Insulation, 1800 RPM, 40° C Ambient, 0.8 Power Factor Lagging

Type		Base Model	Net Wt. (lbs)	No. of Leads	Voltage	Std AVR	kW Rating @ Designated NEMA Rise					List Price
							Continuous			Stand-by		
							NEMA B 80°C R/R	NEMA F 105°C R/R	NEMA H 125°C R/R	NEMA F 130°C R/R	NEMA H 150°C R/R	
Shunt (Non-PMG) Excitation	MAGNAPLUS®	281PSL1500	205	12	240Y/480Y	SE350	5.4	6.0	6.5	6.6	7.0	\$1,700
		281PSL1501	210	12	240Y/480Y	SE350	6.7	7.5	8.1	8.2	8.7	\$1,775
		281PSL1502	220	12	240Y/480Y	SE350	9.5	10.5	11.0	11.0	12.0	\$1,850
		282PSL1503	240	12	240Y/480Y	SE350	11.5	13.5	14.5	15.0	15.5	\$1,950
		282PSL1504	250	12	240Y/480Y	SE350	12.5	15.0	16.0	16.5	17.0	\$2,050
		282PSL1505	275	12	240Y/480Y	SE350	17.0	20.0	21.0	22.0	23.0	\$2,200
		283PSL1506	310	12	240Y/480Y	SE350	20	23	25	25	27	\$2,450
		283PSL1507	350	12	240Y/480Y	SE350	25	28	30	30	33	\$2,650
		284PSL1508	405	12	240Y/480Y	SE350	27	32	35	35	38	\$2,900
		284CSL1542	420	12	240Y/480Y	SE350	34	40	43	43	46	\$3,000
		361PSL1600	518	12	240Y/480Y	SE350	40	45	48	48	50	\$3,050
		361PSL1601	569	12	240Y/480Y	SE350	49	55	60	60	65	\$3,300
		361PSL1602	620	12	240Y/480Y	SE350	58	65	70	70	76	\$3,750
		362PSL1604	706	12	240Y/480Y	SE350	75	84	90	90	95	\$4,050
		362PSL1606	796	12	240Y/480Y	SE350	80	96	105	105	113	\$4,650
		363PSL1607	943	12	240Y/480Y	SE350	110	125	135	135	150	\$5,000
		431PSL6202	1220	12	240Y/480Y	SE350	125	142	151	155	160	\$5,650
		431PSL6204	1310	12	240Y/480Y	SE350	143	170	180	181	190	\$6,200
		431PSL6206	1415	12	240Y/480Y	SE350	165	200	211	215	225	\$6,850
		431PSL6208	1455	12	240Y/480Y	SE350	180	211	226	230	240	\$7,250
		432PSL6210	1685	12	240Y/480Y	SE350	211	255	275	280	291	\$7,650
		432PSL6212	1760	12	240Y/480Y	SE350	230	275	293	300	310	\$8,650
		433PSL6216	2235	12	240Y/480Y	SE350	280	342	375	380	400	\$9,700
		433PSL6220	2245	12	240Y/480Y	SE350	310	375	403	411	430	\$10,300
PMG Excitation	MAGNAMAX ^{DVR®}	431RSL4005	1280	12	240Y/480Y	DVR*2000	126	145	154	155	160	\$6,500
		431RSL4007	1370	12	240Y/480Y	DVR*2000	140	165	175	175	185	\$6,800
		432RSL4009	1550	12	240Y/480Y	DVR*2000	172	203	215	215	226	\$7,200
		432RSL4011	1570	12	240Y/480Y	DVR*2000	192	221	231	231	250	\$7,550
		432RSL4013	1600	12	240Y/480Y	DVR*2000	200	235	250	250	263	\$7,750
		432RSL4015	1810	12	240Y/480Y	DVR*2000	230	275	285	285	300	\$8,300
		432RSL4017	1830	12	240Y/480Y	DVR*2000	230	275	292	300	310	\$9,250
		433RSL4019	2340	12	240Y/480Y	DVR*2000	305	350	375	375	415	\$10,300
		433RSL4021	2365	12	240Y/480Y	DVR*2000	330	380	405	405	440	\$10,900
		572RSL4024	2730	10	240Y/480Y	DVR*2000	380	450	475	475	505	\$11,700
		572RSL4025	2730	12	240Y/480Y	DVR*2000	380	450	475	475	505	\$11,900
		572RSL4027	2840	12	240Y/480Y	DVR*2000	440	500	515	515	560	\$12,300
		572RSL4028	3050	10	240Y/480Y	DVR*2000	445	535	560	560	610	\$13,500
		572RSL4029	3050	12	240Y/480Y	DVR*2000	445	535	560	560	610	\$13,700
		572RSL4030	3110	10	240Y/480Y	DVR*2000	485	575	600	600	645	\$14,000
		572RSL4031	3110	12	240Y/480Y	DVR*2000	485	575	600	600	645	\$14,200
		573RSL4032	3400	10	240Y/480Y	DVR*2000	570	680	700	700	765	\$16,300
		573RSL4033	3400	12	240Y/480Y	DVR*2000	570	680	700	700	765	\$16,600
		573RSL4034	3620	10	240Y/480Y	DVR*2000	585	710	750	750	810	\$17,800
		573RSL4035	3620	12	240Y/480Y	DVR*2000	585	710	750	750	810	\$18,100
		574RSL4036	4080	10	240Y/480Y	DVR*2000	670	800	825	825	900	\$19,000
		574RSL4037	4080	12	240Y/480Y	DVR*2000	670	800	825	825	900	\$19,300
		574RSL4038	4240	4	480Y Only	DVR*2000	720	860	915	920	970	\$20,000
		575RSL4044	5000	4 Bars	480Y Only	DVR*2000	800	975	1050	1060	1130	\$22,400
		741RSL4045	5490	12	240Y/480Y	DVR*2000	865	1030	1080	1100	1100	\$24,800
		740RSL4046	5200	4 Bars	480Y Only	DVR*2000	950	1120	1200	1220	1250	\$26,300
		742RSL4048	6300	4 Bars	480Y Only	DVR*2000	1000	1200	1260	1300	1300	\$29,000
		742RSL4049	6300	12	240Y/480Y	DVR*2000	1000	1200	1260	1300	1300	\$31,000
		743RSL4050	7230	4 Bars	480Y Only	DVR*2000	1220	1430	1500	1500	1520	\$31,700
		743RSL4052	7800	4 Bars	480Y Only	DVR*2000	1310	1600	1700	1750	1750	\$37,000
		744RSL4054	8600	4 Bars	480Y Only	DVR*2000	1500	1850	1960	2000	2000	\$40,000
		744RSL4058	9740	4 Bars	480Y Only	DVR*2000	1760	2100	2270	2320	2370	\$45,000
Form Wound Coil Designs												
744FSL4060	7300	4 Bars	480Y Only	DVR*2000	1200	1430	1500	1500	1500	\$36,000		
744FSL4062	8300	4 Bars	480Y Only	DVR*2000	1500	1800	1900	1900	1900	\$43,000		

**60
Hertz****4-Pole, Three Phase****208Y/416Y Volts (10-12 Leads)****416Y Volts (4 Leads)****240/120 Volts Delta (12 Lead Units Only)**

Specifications: NEMA Class H Insulation, 1800 RPM, 40° C Ambient, 0.8 Power Factor Lagging

Type	Base Model	Net Wt. (lbs)	No. of Leads	Voltage	Std AVR	kW Rating @ Designated NEMA Rise					List Price
						Continuous			Stand-by		
						NEMA B 80°C R/R	NEMA F 105°C R/R	NEMA H 125°C R/R	NEMA F 130°C R/R	NEMA H 150°C R/R	
Shunt (Non PMG) Excitation MAGNAPLUS®	281PSL1500	205	12	208Y/416Y	SE350	5.8	6.4	6.9	7.0	7.4	\$1,700
	281PSL1501	210	12	208Y/416Y	SE350	7.2	8.0	8.6	8.7	9.2	\$1,775
	281PSL1502	220	12	208Y/416Y	SE350	9.0	10.0	10.5	10.5	11.0	\$1,850
	282PSL1503	240	12	208Y/416Y	SE350	11.0	12.5	13.0	13.5	14.0	\$1,950
	282PSL1504	250	12	208Y/416Y	SE350	13.0	14.5	15.5	15.5	16.5	\$2,050
	282PSL1505	275	12	208Y/416Y	SE350	17.0	19.0	20.0	20.0	21.0	\$2,200
	283PSL1506	310	12	208Y/416Y	SE350	20	23	25	25	26	\$2,450
	283PSL1507	350	12	208Y/416Y	SE350	25	28	30	30	31	\$2,650
	284PSL1508	405	12	208Y/416Y	SE350	27	32	35	35	37	\$2,900
	284CSL1542	420	12	208Y/416Y	SE350	32	36	40	40	41	\$3,000
	361PSL1600	518	12	208Y/416Y	SE350	35	40	42	42	45	\$3,050
	361PSL1601	569	12	208Y/416Y	SE350	45	50	55	55	58	\$3,300
	361PSL1602	620	12	208Y/416Y	SE350	53	60	65	65	68	\$3,750
	362PSL1604	706	12	208Y/416Y	SE350	65	72	80	80	85	\$4,050
	362PSL1606	796	12	208Y/416Y	SE350	80	90	100	100	105	\$4,650
	363PSL1607	943	12	208Y/416Y	SE350	100	110	125	125	135	\$5,000
	431PSL6202	1220	12	208Y/416Y	SE350	125	140	147	151	155	\$5,650
	431PSL6204	1310	12	208Y/416Y	SE350	142	165	175	176	182	\$6,200
	431PSL6206	1415	12	208Y/416Y	SE350	170	191	202	210	217	\$6,850
	431PSL6208	1455	12	208Y/416Y	SE350	176	203	216	225	227	\$7,250
432PSL6210	1685	12	208Y/416Y	SE350	220	260	275	280	287	\$7,650	
432PSL6212	1760	12	208Y/416Y	SE350	225	260	276	280	300	\$8,650	
433PSL6216	2235	12	208Y/416Y	SE350	290	343	366	375	387	\$9,700	
433PSL6220	2245	12	208Y/416Y	SE350	315	362	385	400	417	\$10,300	
PMG Excitation MAGNAMAX^{DVR®}	431RSL4005	1280	12	208Y/416Y	DVR*2000	118	132	138	138	138	\$6,500
	431RSL4007	1370	12	208Y/416Y	DVR*2000	132	150	160	160	168	\$6,800
	432RSL4009	1550	12	208Y/416Y	DVR*2000	166	187	200	200	200	\$7,200
	432RSL4011	1570	12	208Y/416Y	DVR*2000	183	207	219	221	221	\$7,550
	432RSL4013	1600	12	208Y/416Y	DVR*2000	193	219	231	235	250	\$7,750
	432RSL4015	1810	12	208Y/416Y	DVR*2000	232	262	262	262	262	\$8,300
	432RSL4017	1830	12	208Y/416Y	DVR*2000	238	275	287	287	310	\$9,250
	433RSL4019	2340	12	208Y/416Y	DVR*2000	290	325	350	350	360	\$10,300
	433RSL4021	2365	12	208Y/416Y	DVR*2000	305	345	365	370	400	\$10,900
	572RSL4024	2730	10	208Y/416Y	DVR*2000	385	435	440	440	450	\$11,700
	572RSL4025	2730	12	208Y/416Y	DVR*2000	385	435	440	440	450	\$11,900
	572RSL4027	2840	12	208Y/416Y	DVR*2000	400	445	470	475	505	\$12,300
	572RSL4028	3050	10	208Y/416Y	DVR*2000	450	510	525	525	535	\$13,500
	572RSL4029	3050	12	208Y/416Y	DVR*2000	450	510	525	525	535	\$13,700
	572RSL4030	3110	10	208Y/416Y	DVR*2000	460	525	555	565	600	\$14,000
	572RSL4031	3110	12	208Y/416Y	DVR*2000	460	525	555	565	600	\$14,200
	573RSL4032	3400	10	208Y/416Y	DVR*2000	570	650	685	700	725	\$16,300
	573RSL4033	3400	12	208Y/416Y	DVR*2000	570	650	685	700	725	\$16,600
	573RSL4034	3620	10	208Y/416Y	DVR*2000	590	680	720	725	725	\$17,800
	573RSL4035	3620	12	208Y/416Y	DVR*2000	590	680	720	725	725	\$18,100
	574RSL4036	4080	10	208Y/416Y	DVR*2000	630	725	770	785	825	\$19,000
	574RSL4037	4080	12	208Y/416Y	DVR*2000	630	725	770	785	825	\$19,300
	574RSL4038	4240	4	416Y Only	DVR*2000	675	770	820	835	885	\$20,000
	575RSL4044	5000	4 Bars	416Y Only	DVR*2000	760	890	950	975	1040	\$22,400
	741RSL4045	5490	12	208Y/416Y	DVR*2000	810	920	970	1000	1020	\$24,800
	740RSL4046	5200	4 Bars	416Y Only	DVR*2000	880	1020	1090	1110	1180	\$26,300
	742RSL4048	6300	4 Bars	416Y Only	DVR*2000	950	1100	1160	1180	1250	\$29,000
	742RSL4049	6300	12	208Y/416Y	DVR*2000	950	1100	1160	1180	1250	\$31,000
	743RSL4050	7230	4 Bars	416Y Only	DVR*2000	1110	1270	1340	1370	1410	\$31,700
	743RSL4052	7800	4 Bars	416Y Only	DVR*2000	1400	1610	1610	1610	1620	\$37,000
744RSL4054	8600	4 Bars	416Y Only	DVR*2000	1420	1680	1800	1840	1840	\$40,000	
744RSL4058	9740	4 Bars	416Y Only	DVR*2000	1640	1920	2050	2090	2240	\$45,000	
Form Wound Coil Designs											
744FSL4060	7300	4 Bars	416Y Only	DVR*2000	1190	1380	1440	1440	1440	\$36,000	
744FSL4062	8300	4 Bars	416Y Only	DVR*2000	1510	1750	1830	1830	1830	\$43,000	

Notes A, B, C, D, E and F on page 25 apply to this page.

4-Pole, Three Phase

220Y/440Y Volts (10-12 Leads)

440Y Volts (4 Leads)

**60
Hertz**

Specifications: NEMA Class H Insulation, 1800 RPM, 40° C Ambient, 0.8 Power Factor Lagging

Type	Base Model	Net Wt. (lbs)	No. of Leads	Voltage	Std. AVR	kW Rating @ Designated NEMA Rise					List Price	
						Continuous			Stand-by			
						NEMA B 80°C R/R	NEMA F 105°C R/R	NEMA H 125°C R/R	NEMA F 130°C R/R	NEMA H 150°C R/R		
Shunt (Non-PMG) Excitation MAGNAPLUS®	281PSL1500	205	12	220Y/440Y	SE350	5.8	6.4	6.9	7.0	7.4	\$1,700	
	281PSL1501	210	12	220Y/440Y	SE350	7.2	8.0	8.6	8.7	9.2	\$1,775	
	281PSL1502	220	12	220Y/440Y	SE350	9.2	10.0	11.0	11.0	11.5	\$1,850	
	282PSL1503	240	12	220Y/440Y	SE350	11.5	13.5	14.5	15.0	15.0	\$1,950	
	282PSL1504	250	12	220Y/440Y	SE350	13.0	15.0	16.5	16.5	17.5	\$2,050	
	282PSL1505	275	12	220Y/440Y	SE350	17.0	20.0	21.0	22.0	23.0	\$2,200	
	283PSL1506	310	12	220Y/440Y	SE350	20	23	25	25	27	\$2,450	
	283PSL1507	350	12	220Y/440Y	SE350	25	28	30	30	32	\$2,650	
	284PSL1508	405	12	220Y/440Y	SE350	27	32	35	35	37	\$2,900	
	284CSL1542	420	12	220Y/440Y	SE350	33	37	41	41	43	\$3,000	
	361PSL1600	518	12	220Y/440Y	SE350	37	42	45	45	47	\$3,050	
	361PSL1601	569	12	220Y/440Y	SE350	48	53	58	58	61	\$3,300	
	361PSL1602	620	12	220Y/440Y	SE350	56	63	68	68	71	\$3,750	
	362PSL1604	706	12	220Y/440Y	SE350	68	76	84	84	89	\$4,050	
	362PSL1606	796	12	220Y/440Y	SE350	82	92	102	102	107	\$4,650	
	363PSL1607	943	12	220Y/440Y	SE350	105	115	130	130	140	\$5,000	
	431PSL6202	1220	12	220Y/440Y	SE350	125	143	151	153	160	\$5,650	
	431PSL6204	1310	12	220Y/440Y	SE350	143	167	177	180	185	\$6,200	
	431PSL6206	1415	12	220Y/440Y	SE350	172	200	212	220	226	\$6,850	
	431PSL6208	1455	12	220Y/440Y	SE350	180	210	221	225	233	\$7,250	
432PSL6210	1685	12	220Y/440Y	SE350	221	261	278	283	292	\$7,650		
432PSL6212	1760	12	220Y/440Y	SE350	227	266	285	290	300	\$8,650		
433PSL6216	2235	12	220Y/440Y	SE350	290	348	372	280	395	\$9,700		
433PSL6220	2245	12	220Y/440Y	SE350	317	375	397	410	423	\$10,300		
PMG Excitation MAGNAMAX® DVR®	431RSL4005	1280	12	220Y/440Y	DVR*2000	126	140	146	146	146	\$6,500	
	431RSL4007	1370	12	220Y/440Y	DVR*2000	139	156	165	168	177	\$6,800	
	432RSL4009	1550	12	220Y/440Y	DVR*2000	178	201	207	207	207	\$7,200	
	432RSL4011	1570	12	220Y/440Y	DVR*2000	191	217	230	235	235	\$7,550	
	432RSL4013	1600	12	220Y/440Y	DVR*2000	202	230	240	240	256	\$7,750	
	432RSL4015	1810	12	220Y/440Y	DVR*2000	243	276	277	277	277	\$8,300	
	432RSL4017	1830	12	220Y/440Y	DVR*2000	245	280	295	295	315	\$9,250	
	433RSL4019	2340	12	220Y/440Y	DVR*2000	300	335	360	360	375	\$10,300	
	433RSL4021	2365	12	220Y/440Y	DVR*2000	315	360	380	390	410	\$10,900	
	572RSL4024	2730	10	220Y/440Y	DVR*2000	400	455	465	465	465	\$11,700	
	572RSL4025	2730	12	220Y/440Y	DVR*2000	400	455	465	465	465	\$11,900	
	572RSL4027	2840	12	220Y/440Y	DVR*2000	410	460	485	500	520	\$12,300	
	572RSL4028	3050	10	220Y/440Y	DVR*2000	470	535	560	560	560	\$13,500	
	572RSL4029	3050	12	220Y/440Y	DVR*2000	470	535	560	560	560	\$13,700	
	572RSL4030	3110	10	220Y/440Y	DVR*2000	480	545	580	590	625	\$14,000	
	572RSL4031	3110	12	220Y/440Y	DVR*2000	480	545	580	590	625	\$14,200	
	573RSL4032	3400	10	220Y/440Y	DVR*2000	595	680	725	730	765	\$16,300	
	573RSL4033	3400	12	220Y/440Y	DVR*2000	595	680	725	730	765	\$16,600	
	573RSL4034	3620	10	220Y/440Y	DVR*2000	620	715	760	765	765	\$17,800	
	573RSL4035	3620	12	220Y/440Y	DVR*2000	620	715	760	765	765	\$18,100	
	574RSL4036	4080	10	220Y/440Y	DVR*2000	660	760	805	820	875	\$19,000	
	574RSL4037	4080	12	220Y/440Y	DVR*2000	660	760	805	820	875	\$19,300	
	574RSL4038	4240	4	440Y Only	DVR*2000	705	810	860	875	930	\$20,000	
	575RSL4044	5000	4 Bars	440Y Only	DVR*2000	785	925	995	1010	1090	\$22,400	
	741RSL4045	5490	12	220Y/440Y	DVR*2000	840	960	1020	1030	1070	\$24,800	
	740RSL4046	5200	4 Bars	440Y Only	DVR*2000	915	1070	1140	1160	1240	\$26,300	
	742RSL4048	6300	4 Bars	440Y Only	DVR*2000	1000	1140	1220	1240	1280	\$29,000	
	742RSL4049	6300	12	220Y/440Y	DVR*2000	1000	1140	1220	1240	1280	\$31,000	
	743RSL4050	7230	4 Bars	440Y Only	DVR*2000	1160	1340	1420	1450	1500	\$31,700	
	743RSL4052	7800	4 Bars	440Y Only	DVR*2000	1420	1680	1710	1710	1710	\$37,000	
	744RSL4054	8600	4 Bars	440Y Only	DVR*2000	1460	1750	1880	1920	1920	\$40,000	
	744RSL4058	9740	4 Bars	440Y Only	DVR*2000	1690	1990	2140	2180	2340	\$45,000	
	Form Wound Coil Designs											
	744FSL4060	7300	4 Bars	440Y Only	DVR*2000	1210	1400	1460	1460	1460	\$36,000	
	744FSL4062	8300	4 Bars	440Y Only	DVR*2000	1530	1780	1860	1860	1860	\$43,000	

Notes A, B, C, D, E and F on page 25 apply to this page.

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4-Pole, Three Phase, Broad Range

208Y-240Y/416Y-480Y Volts (10-12 Leads)

240/120 Volts Delta (12 Lead Only)

Specifications: NEMA Class H Insulation, 1800 RPM, 40° C Ambient, 0.8 Power Factor Lagging

Type		Base Model	Net Wt. (lbs)	No. of Leads	Voltage	Std AVR	kW Rating @ Designated NEMA Rise					List Price
							Continuous			Stand-by		
							NEMA B 80°C R/R	NEMA F 105°C R/R	NEMA H 125°C R/R	NEMA F 130°C R/R	NEMA H 150°C R/R	
Shunt (Non-PMG) Excitation	MAGNAPLUS®	281PSL1500	205	12	208-240/416-480	SE350	5.4	6.0	6.5	6.6	7.0	\$1,700
		281PSL1501	210	12	208-240/416-480	SE350	6.7	7.5	8.1	8.2	8.7	\$1,775
		281PSL1502	220	12	208-240/416-480	SE350	9.0	10.0	10.5	10.5	11.0	\$1,850
		282PSL1503	240	12	208-240/416-480	SE350	11.0	12.5	13.0	13.5	14.0	\$1,950
		282PSL1504	250	12	208-240/416-480	SE350	12.5	14.5	15.5	15.5	16.5	\$2,050
		282PSL1505	275	12	208-240/416-480	SE350	17.0	19.0	20.0	20.0	21.0	\$2,200
		283PSL1506	310	12	208-240/416-480	SE350	20	23	25	25	26	\$2,450
		283PSL1507	350	12	208-240/416-480	SE350	25	28	30	30	31	\$2,650
		284PSL1508	405	12	208-240/416-480	SE350	27	32	35	35	37	\$2,900
		284CSL1542	420	12	208-240/416-480	SE350	32	36	40	40	41	\$3,000
		361PSL1600	518	12	208-240/416-480	SE350	35	40	42	42	45	\$3,050
		361PSL1601	569	12	208-240/416-480	SE350	45	50	55	55	58	\$3,300
		361PSL1602	620	12	208-240/416-480	SE350	53	60	65	65	68	\$3,750
		362PSL1604	706	12	208-240/416-480	SE350	65	72	80	80	85	\$4,050
		362PSL1606	796	12	208-240/416-480	SE350	80	90	100	100	105	\$4,650
		363PSL1607	943	12	208-240/416-480	SE350	100	110	125	125	135	\$5,000
		431PSL6202	1220	12	208-240/416-480	SE350	125	140	147	151	155	\$5,650
		431PSL6204	1310	12	208-240/416-480	SE350	142	165	175	176	182	\$6,200
		431PSL6206	1415	12	208-240/416-480	SE350	165	191	202	210	217	\$6,850
		431PSL6208	1455	12	208-240/416-480	SE350	176	203	216	225	227	\$7,250
		432PSL6210	1685	12	208-240/416-480	SE350	211	255	275	280	287	\$7,650
		432PSL6212	1760	12	208-240/416-480	SE350	225	260	276	280	300	\$8,650
		433PSL6216	2235	12	208-240/416-480	SE350	280	342	366	375	387	\$9,700
		433PSL6220	2245	12	208-240/416-480	SE350	310	362	385	400	417	\$10,300
PMG Excitation	MAGNAMAX ^{DVR}	431RSL4005	1280	12	208-240/416-480	DVR*2000	118	132	138	138	138	\$6,500
		431RSL4007	1370	12	208-240/416-480	DVR*2000	132	150	160	160	168	\$6,800
		432RSL4009	1550	12	208-240/416-480	DVR*2000	166	187	200	200	200	\$7,200
		432RSL4011	1570	12	208-240/416-480	DVR*2000	183	207	219	221	221	\$7,550
		432RSL4013	1600	12	208-240/416-480	DVR*2000	193	219	231	235	250	\$7,750
		432RSL4015	1810	12	208-240/416-480	DVR*2000	230	262	262	262	262	\$8,300
		432RSL4017	1830	12	208-240/416-480	DVR*2000	230	275	287	287	310	\$9,250
		433RSL4019	2340	12	208-240/416-480	DVR*2000	290	325	350	350	360	\$10,300
		433RSL4021	2365	12	208-240/416-480	DVR*2000	305	345	365	370	400	\$10,900
		572RSL4024	2730	10	208-240/416-480	DVR*2000	380	435	440	440	450	\$11,700
		572RSL4025	2730	12	208-240/416-480	DVR*2000	380	435	440	440	450	\$11,900
		572RSL4027	2840	12	208-240/416-480	DVR*2000	400	445	470	475	505	\$12,300
		572RSL4028	3050	10	208-240/416-480	DVR*2000	445	510	525	525	535	\$13,500
		572RSL4029	3050	12	208-240/416-480	DVR*2000	445	510	525	525	535	\$13,700
		572RSL4030	3110	10	208-240/416-480	DVR*2000	460	525	555	565	600	\$14,000
		572RSL4031	3110	12	208-240/416-480	DVR*2000	460	525	555	565	600	\$14,200
		573RSL4032	3400	10	208-240/416-480	DVR*2000	570	650	685	700	725	\$16,300
		573RSL4033	3400	12	208-240/416-480	DVR*2000	570	650	685	700	725	\$16,600
		573RSL4034	3620	10	208-240/416-480	DVR*2000	585	680	720	725	725	\$17,800
		573RSL4035	3620	12	208-240/416-480	DVR*2000	585	680	720	725	725	\$18,100
		574RSL4036	4080	10	208-240/416-480	DVR*2000	630	725	770	785	825	\$19,000
		574RSL4037	4080	12	208-240/416-480	DVR*2000	630	725	770	785	825	\$19,300
		741RSL4045	5490	12	208-240/416-480	DVR*2000	810	920	970	1000	1020	\$24,800
		742RSL4049	6300	12	208-240/416-480	DVR*2000	950	1100	1160	1180	1210	\$31,000

Notes A, B, C, D, E and F on page 25 apply to this page.

4-Pole, Three Phase (Standard 480 Volt Designs)

190Y/380Y Volts (10-12 Leads)

380Y (4 Leads)

220/110 Volts Delta (12 Lead Only)

See dedicated 380 Volt generators on page 6
for improved transient performance

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Specifications: NEMA Class H Insulation, 1800 RPM, 40° C Ambient, 0.8 Power Factor Lagging

Type		Base Model	Net Wt. (lbs)	No. of Leads	Voltage	Std AVR	kW Rating @ Designated NEMA Rise					List Price
							Continuous			Stand-by		
							NEMA B 80°C R/R	NEMA F 105°C R/R	NEMA H 125°C R/R	NEMA F 130°C R/R	NEMA H 150°C R/R	
Shunt (Non-PMG) Excitation	MAGNAPLUS®	281PSL1500	205	12	190Y/380Y	SE350	5.8	6.4	6.9	7.0	7.4	\$1,700
		281PSL1501	210	12	190Y/380Y	SE350	7.2	8.0	8.6	8.7	9.2	\$1,775
		281PSL1502	220	12	190Y/380Y	SE350	8.0	9.0	9.6	10.0	10.0	\$1,850
		282PSL1503	240	12	190Y/380Y	SE350	10.0	11.5	12.5	12.5	13.0	\$1,950
		282PSL1504	250	12	190Y/380Y	SE350	12.0	13.5	14.5	14.5	15.0	\$2,050
		282PSL1505	275	12	190Y/380Y	SE350	15.5	17.0	18.5	19.0	20.0	\$2,200
		283PSL1506	310	12	190Y/380Y	SE350	18	21	22	22	23	\$2,450
		283PSL1507	350	12	190Y/380Y	SE350	22	25	27	27	28	\$2,650
		284PSL1508	405	12	190Y/380Y	SE350	26	30	32	32	35	\$2,900
		284CSL1542	420	12	190Y/380Y	SE350	29	33	36	36	38	\$3,000
		361PSL1600	518	12	190Y/380Y	SE350	32	36	38	38	41	\$3,050
		361PSL1601	569	12	190Y/380Y	SE350	41	45	50	50	52	\$3,300
		361PSL1602	620	12	190Y/380Y	SE350	48	55	60	60	62	\$3,750
		362PSL1604	706	12	190Y/380Y	SE350	60	65	72	72	77	\$4,050
		362PSL1606	796	12	190Y/380Y	SE350	72	81	90	90	95	\$4,650
		363PSL1607	943	12	190Y/380Y	SE350	90	100	115	115	125	\$5,000
		431PSL6202	1220	12	190Y/380Y	SE350	115	130	135	140	145	\$5,650
		431PSL6204	1310	12	190Y/380Y	SE350	136	155	165	167	172	\$6,200
		431PSL6206	1415	12	190Y/380Y	SE350	156	176	185	191	200	\$6,850
		431PSL6208	1455	12	190Y/380Y	SE350	167	192	203	207	213	\$7,250
		432PSL6210	1685	12	190Y/380Y	SE350	213	245	260	265	275	\$7,650
		432PSL6212	1760	12	190Y/380Y	SE350	212	243	256	265	275	\$8,650
		433PSL6216	2235	12	190Y/380Y	SE350	281	330	350	357	370	\$9,700
		433PSL6220	2245	12	190Y/380Y	SE350	292	335	355	367	385	\$10,300
PMG Excitation	MAGNAMAX ^{DVR}	431RSL4005	1280	12	190Y/380Y	DVR*2000	109	122	122	122	122	\$6,500
		431RSL4007	1370	12	190Y/380Y	DVR*2000	121	136	136	136	136	\$6,800
		432RSL4009	1550	12	190Y/380Y	DVR*2000	152	170	170	170	170	\$7,200
		432RSL4011	1570	12	190Y/380Y	DVR*2000	169	190	190	190	190	\$7,550
		432RSL4013	1600	12	190Y/380Y	DVR*2000	180	200	200	200	200	\$7,750
		432RSL4015	1810	12	190Y/380Y	DVR*2000	217	240	240	240	240	\$8,300
		432RSL4017	1830	12	190Y/380Y	DVR*2000	225	255	255	255	255	\$9,250
		433RSL4019	2340	12	190Y/380Y	DVR*2000	275	305	305	305	305	\$10,300
		433RSL4021	2365	12	190Y/380Y	DVR*2000	280	315	315	315	315	\$10,900
		572RSL4024	2730	10	190Y/380Y	DVR*2000	350	400	400	400	400	\$11,700
		572RSL4025	2730	12	190Y/380Y	DVR*2000	350	400	400	400	400	\$11,900
		572RSL4027	2840	12	190Y/380Y	DVR*2000	360	405	405	405	405	\$12,300
		572RSL4028	3050	10	190Y/380Y	DVR*2000	415	470	470	470	470	\$13,500
		572RSL4029	3050	12	190Y/380Y	DVR*2000	415	470	470	470	470	\$13,700
		572RSL4030	3110	10	190Y/380Y	DVR*2000	425	485	485	485	485	\$14,000
		572RSL4031	3110	12	190Y/380Y	DVR*2000	425	485	485	485	485	\$14,200
		573RSL4032	3400	10	190Y/380Y	DVR*2000	525	595	595	595	595	\$16,300
		573RSL4033	3400	12	190Y/380Y	DVR*2000	525	595	595	595	595	\$16,600
		573RSL4034	3620	10	190Y/380Y	DVR*2000	545	625	625	625	625	\$17,800
		573RSL4035	3620	12	190Y/380Y	DVR*2000	545	625	625	625	625	\$18,100
		574RSL4036	4080	10	190Y/380Y	DVR*2000	590	670	670	670	670	\$19,000
		574RSL4037	4080	12	190Y/380Y	DVR*2000	590	670	670	670	670	\$19,300
		574RSL4038	4240	4	380Y Only	DVR*2000	620	705	705	705	705	\$20,000
		575RSL4044	5000	4 Bars	380Y Only	DVR*2000	720	830	830	830	830	\$22,400
		741RSL4045	5490	12	190Y/380Y	DVR*2000	740	840	840	840	840	\$24,800
		740RSL4046	5200	4 Bars	380Y Only	DVR*2000	825	945	945	945	945	\$26,300
		742RSL4048	6300	4 Bars	380Y Only	DVR*2000	900	1030	1030	1030	1030	\$29,000
		742RSL4049	6300	12	190Y/380Y	DVR*2000	900	1030	1030	1030	1030	\$31,000
		743RSL4050	7230	4 Bars	380Y Only	DVR*2000	1020	1160	1160	1160	1160	\$31,700
		743RSL4052	7800	4 Bars	380Y Only	DVR*2000	1290	1480	1480	1480	1480	\$37,000
		744RSL4054	8600	4 Bars	380Y Only	DVR*2000	1360	1590	1590	1590	1590	\$40,000
		744RSL4058	9740	4 Bars	380Y Only	DVR*2000	1550	1790	1910	1950	2070	\$45,000
Form Wound Coil Designs												
744FSL4060	7300	4 Bars	380Y Only	DVR*2000	1120	1280	1280	1280	1280	\$36,000		
744FSL4062	8300	4 Bars	380Y Only	DVR*2000	1430	1650	1650	1650	1650	\$43,000		

Notes A, B, C, D, E and F on page 25 apply to this page.

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4-Pole, Three Phase, Dedicated Designs

380Y/219 Volts (4 Leads)

Specifications: NEMA Class H Insulation, 1800 RPM, 40° C Ambient, 0.8 Power Factor Lagging

Type	Model Number	Net Wt. (lbs)	No. of Leads	Std. AVR	kW Rating @ Designated NEMA Rise					List Price	
					Continuous			Stand-by			
					NEMA B 80°C R/R	NEMA F 105°C R/R	NEMA H 125°C R/R	NEMA F 130°C R/R	NEMA H 150°C R/R		
Shunt (non-PMG) Excitation	MAGNAPLUS®	431PSL6230	1220	4	SE350	125	140	150	155	160	\$5,650
		431PSL6232	1415	4	SE350	140	165	175	180	185	\$6,850
		431PSL6234	1455	4	SE350	175	200	220	225	230	\$7,250
		432PSL6236	1760	4	SE350	225	265	285	290	300	\$8,650
		433PSL6238	2245	4	SE350	300	350	375	390	400	\$10,300
PMG Excitation	MAGNAMAX® DVR®	431RSL4152	1280	4	DVR*2000	120	140	150	150	160	\$6,500
		432RSL4154	1550	4	DVR*2000	165	185	200	200	200	\$7,200
		432RSL4156	1830	4	DVR*2000	225	275	290	300	310	\$9,250
		433RSL4158	2365	4	DVR*2000	300	345	370	370	400	\$10,300
		572RSL4160	2730	4	DVR*2000	355	425	450	450	480	\$11,450
		572RSL4162	2840	4	DVR*2000	425	485	500	500	525	\$12,300
		573RSL4164	3400	4	DVR*2000	510	605	635	635	700	\$14,700
		574RSL4166	4080	4	DVR*2000	670	800	830	830	900	\$19,000
		574RSL4168	4240	4	DVR*2000	715	855	910	915	965	\$20,000
		741RSL4170	5490	4 Bars	DVR*2000	850	1015	1065	1085	1085	\$23,300
		742RSL4172	6300	4 Bars	DVR*2000	1000	1200	1260	1300	1300	\$29,000
		743RSL4174	7800	4 Bars	DVR*2000	1260	1550	1650	1700	1700	\$37,000
		744RSL4176	8600	4 Bars	DVR*2000	1500	1850	1950	2000	2000	\$40,000

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Hertz**

4-Pole, Three Phase, Dedicated Designs

600Y/346 Volts (4 Leads)

Specifications: NEMA Class H Insulation, 1800 RPM, 40° C Ambient, 0.8 Power Factor Lagging

Type	Model Number	Net Wt. (lbs)	No. of Leads	Std. AVR	KW Rating @ Designated NEMA Rise					List Price	
					Continuous			Stand-by			
					NEMA B 80°C R/R	NEMA F 105°C R/R	NEMA H 125°C R/R	NEMA F 130°C R/R	NEMA H 150°C R/R		
Shunt (non-PMG) Excitation	MAGNAPLUS®	361PSL1632	518	4	SE350	40	45	48	48	50	\$3,050
		361PSL1633	569	4	SE350	49	55	60	60	65	\$3,300
		361PSL1634	620	4	SE350	58	65	70	70	76	\$3,750
		362PSL1635	706	4	SE350	75	84	90	90	95	\$4,050
		362PSL1636	796	4	SE350	80	96	105	105	113	\$4,650
		363PSL1637	943	4	SE350	110	125	135	135	150	\$5,000
		431PSL6240	1220	4	SE350	125	140	150	155	160	\$5,650
		431PSL6242	1415	4	SE350	140	170	175	180	190	\$6,850
		431PSL6243	1455	4	SE350	180	210	225	230	240	\$7,250
		432PSL6246	1760	4	SE350	230	275	300	305	310	\$8,650
433PSL6248	2245	4	SE350	310	375	400	410	430	\$10,300		
PMG Excitation	MAGNAMAX ^{DVR®}	431RSS4252	1280	4	DVR*2000	125	145	150	150	155	\$6,500
		431RSS4254	1370	4	DVR*2000	135	160	165	175	175	\$6,800
		432RSS4256	1550	4	DVR*2000	170	200	210	210	215	\$7,200
		432RSS4258	1570	4	DVR*2000	185	215	225	225	245	\$7,550
		432RSS4260	1600	4	DVR*2000	200	235	250	250	260	\$7,750
		432RSS4264	1830	4	DVR*2000	225	275	290	300	310	\$9,250
		433RSS4266	2365	4	DVR*2000	325	375	400	400	435	\$10,900
		572RSS4270	2840	4	DVR*2000	420	475	500	510	540	\$12,300
		572RSS4272	3110	4	DVR*2000	485	575	600	600	640	\$14,000
		573RSS4274	3400	4	DVR*2000	530	640	660	660	710	\$16,300
		573RSS4276	3620	4	DVR*2000	565	685	725	725	780	\$17,800
		574RSS4278	4080	4	DVR*2000	665	800	825	825	875	\$19,000
		574RSS4280	4240	4	DVR*2000	700	840	895	900	950	\$20,000
		741RSS4282	5300	4 Bars	DVR*2000	765	950	1000	1040	1050	\$22,400
		741RSS4284	5490	4 Bars	DVR*2000	865	1030	1080	1100	1100	\$23,300
		742RSS4286	5950	4 Bars	DVR*2000	960	1100	1180	1200	1200	\$26,600
		743RSS4288	7230	4 Bars	DVR*2000	1120	1330	1330	1400	1400	\$31,700
		743RSS4290	7800	4 Bars	DVR*2000	1300	1550	1650	1700	1700	\$37,000
		744RSS4292	8600	4 Bars	DVR*2000	1500	1850	1950	2000	2000	\$40,000

Notes A, B, C, D, E and F on page 25 apply to this page.

These are standard three phase generators—
see dedicated single phase generators
on page 8 as an alternative

4-Pole, Single Phase

240/120 Volts (12 Leads Only)
120 Volts Delta 0

**60
Hertz**

Specifications: NEMA Class H Insulation, 1800 RPM, 40° C Ambient

Type	Base Model	Net Wt. (lbs)	Std. AVR	kW Rating @ Designated NEMA Rise										List Price	
				0.8 Power Factor Lagging						1.0 Power Factor					
				Continuous			Stand-by			Continuous			Stand-by		
				NEMA B 80°C R/R	NEMA F 105°C R/R	NEMA H 125°C R/R	NEMA F 130°C R/R	NEMA H 150°C R/R	NEMA B 80°C R/R	NEMA F 105°C R/R	NEMA H 125°C R/R	NEMA F 130°C R/R	NEMA H 150°C R/R		
MAGNAPLUS®	281PSL1500	205	SE350	3.2	3.6	3.8	3.8	4.0	5.0	5.5	5.7	5.8	6.0	\$1,700	
	281PSL1501	210	SE350	4.0	4.5	4.8	4.8	5.0	6.2	6.8	7.1	7.2	7.5	\$1,775	
	281PSL1502	220	SE350	5.2	6.0	6.2	6.3	6.6	7.0	8.0	8.5	8.6	9.0	\$1,850	
	282PSL1503	240	SE350	7.0	7.8	8.1	8.2	8.5	9.2	10.0	11.0	11.0	12.0	\$1,950	
	282PSL1504	250	SE350	7.6	8.8	9.3	9.5	10.0	11.0	12.0	12.5	13.0	13.5	\$2,050	
	282PSL1505	275	SE350	9.0	10.0	11.0	11.0	12.0	12.5	14.0	15.0	15.5	16.0	\$2,200	
	283PSL1506	310	SE350	10.5	12.5	14.0	14.0	15.0	15.0	17.0	18.0	18.5	20.0	\$2,450	
	283PSL1507	350	SE350	12.5	14.0	15.0	15.0	16.0	16.0	18.0	20.0	20.0	21.5	\$2,650	
	284PSL1508	405	SE350	15	17	20	20	21	20	22	25	25	27	\$2,900	
	284CSL1542	420	SE350	20	23	24	24	27	26	29	32	32	33	\$3,000	
	361PSL1600	518	SE350	22	25	27	27	30	28	31	34	34	36	\$3,050	
	361PSL1601	569	SE350	26	30	32	32	35	36	40	43	43	45	\$3,300	
	361PSL1602	620	SE350	30	33	36	36	38	40	45	50	50	52	\$3,750	
	362PSL1604	706	SE350	36	44	48	48	50	50	55	60	60	65	\$4,050	
	362PSL1606	796	SE350	39	48	53	53	55	55	60	66	66	70	\$4,650	
	363PSL1607	943	SE350	45	55	60	60	63	62	70	75	75	80	\$5,000	
	431PSL6202	1220	SE350	77	90	95	96	100	96	115	120	121	125	\$5,650	
	431PSL6204	1310	SE350	85	100	106	107	110	106	125	133	135	140	\$6,200	
	431PSL6206	1415	SE350	105	120	130	132	135	131	150	165	166	170	\$6,850	
	431PSL6208	1455	SE350	105	120	130	132	136	131	150	165	166	170	\$7,250	
	432PSL6210	1685	SE350	125	147	158	161	165	156	185	200	201	206	\$7,650	
	432PSL6212	1760	SE350	120	140	152	155	157	150	175	190	191	196	\$8,650	
	433PSL6216	2235	SE350	150	175	190	193	200	190	220	240	241	250	\$9,700	
	433PSL6220	2245	SE350	150	175	190	193	200	190	220	240	241	250	\$10,300	

MAGNAMAX ^{DVR} ®	431RSL4005	1280	DVR*2000	72	82	87	88	91	89	103	109	110	114	\$6,500
	431RSL4007	1370	DVR*2000	82	97	103	103	109	103	121	129	129	136	\$6,800
	432RSL4009	1550	DVR*2000	103	122	129	129	136	129	152	161	161	169	\$7,200
	432RSL4011	1570	DVR*2000	106	122	127	127	138	132	152	159	159	172	\$7,550
	432RSL4013	1600	DVR*2000	98	116	123	123	129	123	145	154	154	162	\$7,750
	432RSL4015	1810	DVR*2000	115	138	143	147	150	144	172	178	184	188	\$8,300
	432RSL4017	1830	DVR*2000	121	145	155	158	164	151	182	194	198	205	\$9,250
	433RSL4019	2340	DVR*2000	146	168	180	180	190	183	210	225	225	238	\$10,300
	433RSL4021	2365	DVR*2000	151	174	185	185	200	189	217	231	231	251	\$10,900
	572RSL4025	2730	DVR*2000	167	198	209	209	222	209	248	261	261	278	\$11,900
	572RSL4027	2840	DVR*2000	194	220	227	227	246	242	275	283	283	308	\$12,300
	572RSL4029	3050	DVR*2000	196	235	246	246	268	245	294	308	308	336	\$13,700
	572RSL4031	3110	DVR*2000	213	253	264	264	284	267	316	330	330	355	\$14,200
	573RSL4033	3400	DVR*2000	251	299	308	308	337	314	374	385	385	421	\$16,600
	573RSL4035	3620	DVR*2000	257	312	330	330	356	322	391	413	413	446	\$18,100
	574RSL4037	4080	DVR*2000	295	352	363	363	396	369	440	454	454	495	\$19,300

Note: ① For 120 volt only service, use an AVC63-4A or a VR63-4C voltage regulator to replace the standard SE350 regulator.
See Modification Section for price adder.

Notes A, B, C, D, E and F on page 25 apply to this page.

**60
Hertz**

4-Pole, Dedicated Single Phase

120 or 240/120 Volts (4 Leads Only)

Specifications: 1800 RPM, 40°C Ambient, Single Phase

Type	Base Model	Net Wt. (lbs.)	Std. AVR	kW Rating @ Designated NEMA Rise										List Price
				0.8 Power Factor Lagging					1.0 Power Factor					
				Continuous			Stand-by		Continuous			Stand-by		
				NEMA B 60°C R/R	NEMA F 105°C R/R	NEMA H 125°C R/R	NEMA F 130°C R/R	NEMA H 150°C R/R	NEMA B 80°C R/R	NEMA F 105°C R/R	NEMA H 125°C R/R	NEMA F 130°C R/R	NEMA H 150°C R/R	
MAGNAPLUS®	281PSL1511	200	SE350	3.6	4.0	4.2	4.2	4.4	5.4	6.0	6.5	6.5	6.8	\$1,630
	281PSL1512	206	SE350	4.2	4.8	5.1	5.1	5.3	7.0	7.7	8.2	8.2	8.5	\$1,730
	281PSL1513	216	SE350	6.0	6.6	7.0	7.0	7.5	9.0	10.0	10.5	10.5	11.0	\$1,870
	282PSL1514	236	SE350	7.0	7.7	8.4	8.5	9.0	10.5	12.0	13.0	13.0	13.5	\$1,960
	282PSL1515	250	SE350	10.0	11.0	12.0	12.0	12.5	15.0	17.0	18.0	18.0	19.0	\$2,010
	283PSL1516	279	SE350	11.0	12.5	14.0	14.0	15.0	17.0	20.0	22.0	22.0	23.0	\$2,260
	284PSL1517	349	SE350	15.0	17.0	18.5	18.5	20.0	22.0	25.0	27.0	27.0	30.0	\$2,530
	284PSL1518	398	SE350	16.5	20	21	22	23	25.0	30	32	32	35	\$2,730
	361PSL1611	513	SE350	22	26	29	30	32	35	37	40	40	45	\$3,260
	361PSL1612	578	SE350	28	33	36	36	40	40	45	50	50	55	\$3,500
	361PSL1613	626	SE350	38	43	47	47	50	50	55	60	60	65	\$3,810
	362PSL1615	779	SE350	48	54	59	60	65	65	70	75	75	80	\$4,050
	363PSL1617	929	SE350	50	58	66	66	70	75	90	100	100	105	\$4,700
	431PSL6222	1070	SE350	60	68	73	73	78	100	110	115	115	125	\$5,500
	431PSL6224	1280	SE350	80	90	100	100	110	130	145	155	155	165	\$6,100
	431PSL6226	1600	SE350	85	100	110	110	115	135	155	175	175	185	\$6,750
	432PSL6228	1720	SE350	125	145	155	155	170	170	195	210	210	225	\$7,200
Pancake R Models®	331RSA/B3002	120	SE350	5.0	5.5	N/A	6.0	N/A	8.3	9.0	N/A	9.2	N/A	\$1,860
	332RSA/B3004	130	SE350	6.0	6.5	N/A	7.0	N/A	10.0	10.5	N/A	11.0	N/A	\$2,020
	333RSA/B3006	180	SE350	8.0	9.0	N/A	9.5	N/A	12.0	13.5	N/A	14.5	N/A	\$2,120
	333RSA/B3008	190	SE350	9.0	10.0	N/A	10.0	N/A	12.5	15.0	N/A	16.5	N/A	\$2,170
	334RSA/B3010	210	SE350	12.0	13.0	13.0	13.5	14.0	16.5	18.5	20.0	20.0	21.0	\$2,300
	335RSA/B3012	225	SE350	15.5	16.5	N/A	17.0	N/A	20.0	23.0	N/A	25.0	N/A	\$2,350
	335RSA/B3014	280	SE350	16.5	19.0	N/A	20.0	N/A	22.0	25.0	N/A	27.0	N/A	\$2,610
	336RSA/B3016	320	SE350	21.0	23.0	N/A	24.0	N/A	28.0	32.0	N/A	35.0	N/A	\$2,810
Pancake C Models®	332CSA/B3020	143	SE350	6.0	6.5	N/A	7.0	N/A	10.0	10.5	N/A	11.0	N/A	\$1,850
	333CSA/B3024	192	SE350	9.0	10.0	N/A	10.0	N/A	12.5	15.0	N/A	16.5	N/A	\$2,000
	334CSA/B3027	214	SE350	10.0	11.5	N/A	13.0	N/A	15.0	17.5	N/A	19.0	N/A	\$2,210
	334CSA/B3028	214	SE350	11.5	13.0	N/A	14.5	N/A	17.0	20.0	N/A	22.5	N/A	\$2,260

Note: ① For 120 volt only service, use an AVC63-4A or a VR63-4C voltage regulator to replace the standard SE350 regulator. See Modification Section for price adder.

② Pancake generators are designed for space-critical applications.

③ RSA and CSA models are SAE 5. RSB and CSB models are SAE 4.

Notes A, B, C, D, E and F on page 25 apply to this page.

4-Pole, Medium Voltage, Three Phase

2400Y/1386 Volts (6 Leads) 000

1386 Volts Delta

**60
Hertz**

Specifications: NEMA Class H Insulation, 1800 RPM, 40°C Ambient, 0.8 Power Factor Lagging

Type	Base Model	Net Wt. (lbs)	No. of Leads	Std. AVR	Continuous Duty						Standby				List Price
					NEMA B 80°C R/R		NEMA F 105°C R/R		NEMA H 125°C R/R		NEMA F 130°C R/R		NEMA H 150°C R/R		
					kVA	kW	kVA	kW	kVA	KW	kVA	kW	kVA	kW	
MAGNAMAX ^{DVR®}	573FSM4304	2890	6	DVR*2000	394	315	500	400	519	415	519	415	563	450	\$29,400
	573FSM4306	3030	6	DVR*2000	438	350	563	450	625	500	625	500	663	530	\$31,200.
	574FSM4308	3530	6	DVR*2000	563	450	688	550	719	575	750	600	750	600	\$33,700
	574FSM4310	4050	6	DVR*2000	656	525	825	660	906	725	919	735	938	750	\$36,400
	741FSM4314®	5300	6	DVR*2000	875	700	1094	875	1113	890	1125	900	1125	900	\$39,400
	742FSM4316®	6100	6	DVR*2000	1156	925	1363	1090	1469	1175	1500	1200	1500	1200	\$45,500
	742FSM4318®	6900	6	DVR*2000	1344	1075	1588	1270	1700	1360	1750	1400	1750	1400	\$50,600
	743FSM4320®	7500	6	DVR*2000	1475	1180	1763	1410	1838	1470	1938	1550	1938	1550	\$53,700
	743FSM4322®	8200	6	DVR*2000	1713	1370	2038	1630	2225	1780	2250	1800	2250	1800	\$57,800
744FSM4324®	9300	6	DVR*2000	1875	1500	2313	1850	2500	2000	2500	2000	2500	2000	\$73,500	
MAGNAPOWER [™]	1020FDM5320®	11000	6	DVR*2000	2188	1750	2500	2000	2625	2100	2625	2100	2625	2100	\$101,500
	1020FDM5322®	12000	6	DVR*2000	2500	2000	2875	2300	3000	2400	3000	2400	3000	2400	\$112,000
	1020FDM5324®	13000	6	DVR*2000	2813	2250	3213	2570	3375	2700	3375	2700	3375	2700	\$117,000
	1020FDM5326®	14000	6	DVR*2000	3125	2500	3575	2860	3750	3000	3750	3000	3750	3000	\$125,000

4-Pole, Medium Voltage, Three Phase

3300Y/1905 Volts (6 Leads) 000

1905 Volts Delta

**60
Hertz**

Specifications: NEMA Class H Insulation, 1800 RPM, 40°C Ambient, 0.8 Power Factor Lagging

Type	Base Model	Net Wt. (lbs)	No. of Leads	Std. AVR	Continuous Duty						Standby				List Price
					NEMA B 80°C R/R		NEMA F 105°C R/R		NEMA H 125°C R/R		NEMA F 130°C R/R		NEMA H 150°C R/R		
					kVA	KW	kVA	KW	kVA	KW	kVA	KW	kVA	KW	
MAGNAMAX ^{DVR®}	573FSM4326	2890	6	DVR*2000	394	315	500	400	519	415	519	415	563	450	\$29,400
	573FSM4328	3030	6	DVR*2000	438	350	563	450	625	500	625	500	663	530	\$31,200
	574FSM4330	3530	6	DVR*2000	581	465	750	600	781	625	781	625	844	675	\$33,700
	741FSM4334®	5300	6	DVR*2000	875	700	1063	850	1125	900	1125	900	1156	925	\$39,400
	742FSM4336®	6100	6	DVR*2000	1188	950	1400	1120	1500	1200	1500	1200	1600	1280	\$45,500
	742FSM4338®	6900	6	DVR*2000	1375	1100	1638	1310	1725	1380	1750	1400	1750	1400	\$50,600
	743FSM4340®	7500	6	DVR*2000	1563	1250	1838	1470	1938	1550	1938	1550	1963	1570	\$53,700
	743FSM4342®	8200	6	DVR*2000	1713	1370	2031	1625	2250	1800	2250	1800	2250	1800	\$57,500
744FSM4344®	9300	6	DVR*2000	1875	1500	2313	1850	2500	2000	2500	2000	2500	2000	\$73,500	
MAGNAPOWER™	1020FDM5340®	11000	6	DVR*2000	2188	1750	2500	2000	2625	2100	2625	2100	2625	2100	\$101,500
	1020FDM5342®	12000	6	DVR*2000	2500	2000	2875	2300	3000	2400	3000	2400	3000	2400	\$112,000
	1020FDM5344®	13000	6	DVR*2000	2813	2250	3213	2570	3375	2700	3375	2700	3375	2700	\$117,000
	1020FDM5346®	14000	6	DVR*2000	3125	2500	3575	2860	3750	3000	3750	3000	3750	3000	\$125,000

Notes: ① Medium voltage sensing potential transformers (P/Ts) are not included. For three phase sensing, 2 P/Ts are required. See Modification Section for price adder.

② All medium voltage generators incorporate form wound coils and VPI insulation systems.

③ All 740 and 1000 Frame generators have 100 ohm platinum RTDs as standard equipment.

④ MAGNAPOWER[™] ratings shown are for initial product offering. Ratings to 4000 kW, 80°C R/R and 60 Hz will be offered at a later date.

Notes A, B, C, D, E and F on page 25 apply to this page.

**60
Hertz****4-Pole, Medium Voltage, Three Phase****4160Y/2402 Volts (6 Leads) ①②③****2402 Volts Delta**

Specifications: NEMA Class H Insulation, 1800 RPM, 40°C Ambient, 0.8 Power Factor Lagging

Type	Base Model	Net Wt. (lbs)	No. of Leads	Std. AVR	Continuous Duty						Standby				List Price
					NEMA B 80°C R/R		NEMA F 105°C R/R		NEMA H 125°C R/R		NEMA F 130°C R/R		NEMA H 150°C R/R		
					kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	
MAGNAMAX ^{DVR®}	573FSM4352	2890	6	DVR*2000	394	315	500	400	519	415	519	415	575	460	\$28,000
	573FSM4354	3030	6	DVR*2000	438	350	563	450	625	500	625	500	663	530	\$29,700
	574FSM4356	3530	6	DVR*2000	581	465	750	600	781	625	781	625	875	700	\$32,100
	574FSM4358	4050	6	DVR*2000	688	550	888	710	950	760	950	760	1050	840	\$34,700
	741FSM4360	5300	6	DVR*2000	913	730	1125	900	1156	925	1156	925	1163	930	\$37,500
	742FSM4364	6100	6	DVR*2000	1156	925	1400	1120	1500	1200	1500	1200	1500	1200	\$43,300
	742FSM4366	6900	6	DVR*2000	1400	1120	1700	1360	1813	1450	1813	1450	1813	1450	\$48,200
	743FSM4368	7500	6	DVR*2000	1550	1240	1900	1520	2000	1600	2000	1600	2013	1610	\$51,100
	743FSM4370	8200	6	DVR*2000	1713	1370	2100	1680	2250	1800	2250	1800	2250	1800	\$55,000
744FSM4374	9300	6	DVR*2000	1906	1525	2344	1875	2563	2050	2563	2050	2563	2050	\$70,000	
MAGNAPOWER™	1020FDM5302	11000	6	DVR*2000	2188	1750	2500	2000	2625	2100	2625	2100	2625	2100	\$101,500
	1020FDM5304	12000	6	DVR*2000	2500	2000	2875	2300	3000	2400	3000	2400	3000	2400	\$112,000
	1020FDM5306	13000	6	DVR*2000	2813	2250	3213	2570	3375	2700	3375	2700	3375	2700	\$117,000
	1020FDM5308	14000	6	DVR*2000	3125	2500	3575	2860	3750	3000	3750	3000	3750	3000	\$125,000

**60
Hertz****4-Pole, Medium Voltage, Three Phase****6600Y/3811 Volts (6 Leads) ①②③****3811 Volts Delta**Specifications: 570 & 740 Frame NEMA Class H insulation, 1000 Frame NEMA Class F insulation, 1800 RPM, 40°C Ambient, 0.8 Power Factor Lagging. **NOTE:** 570 & 740 Frame units **MUST** employ solidly grounded neutral.

Type	Base Model	Net Wt. (lbs)	No. of Leads	Std. AVR	Continuous Duty						Standby				List Price
					NEMA B 80°C R/R		NEMA F 105°C R/R		NEMA H 125°C R/R		NEMA F 130°C R/R		NEMA H 150°C R/R		
					kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	
MAGNAMAX ^{DVR®}	574FSM4380	3650	6	DVR*2000	581	465	688	550	738	590	750	600	781	625	\$42,500
	741FSM4382®	5600	6	DVR*2000	1094	875	1250	1000	1300	1040	1313	1050	1350	1080	\$52,500
	742FSM4384®	6100	6	DVR*2000	1250	1000	1375	1100	1500	1200	1500	1200	1563	1250	\$58,000
	742FSM4386®	6500	6	DVR*2000	1281	1025	1500	1200	1613	1290	1625	1300	1688	1350	\$60,500
	742FSM4388®	6900	6	DVR*2000	1375	1100	1625	1300	1750	1400	1750	1400	1813	1450	\$64,000
	743FSM4390®	7500	6	DVR*2000	1613	1290	1825	1460	1938	1550	2000	1600	2000	1600	\$66,000
	743FSM4392®	8200	6	DVR*2000	1713	1370	2031	1625	2250	1800	2250	1800	2250	1800	\$70,500
	744FSM4394®	9300	6	DVR*2000	1875	1500	2313	1850	2500	2000	2500	2000	2500	2000	\$89,700

MAGNAPOWER™	1020FDM5360®	11000	6	DVR*2000	2188	1750	2500	2000	N.A.	N.A.	2625	2100	N.A.	N.A.	\$133,000
	1020FDM5362®	12000	6	DVR*2000	2500	2000	2875	2300	N.A.	N.A.	3000	2400	N.A.	N.A.	\$146,000
	1030FDM5364®	13000	6	DVR*2000	2813	2250	3213	2570	N.A.	N.A.	3375	2700	N.A.	N.A.	\$155,250
	1030FDM5366®	14000	6	DVR*2000	3125	2500	3575	2860	N.A.	N.A.	3750	3000	N.A.	N.A.	\$165,000

Notes: ① Medium voltage sensing potential transformers (P/Ts) are not included. For three phase sensing, 2 P/Ts are required. See Modification Section for price adder.

② All medium voltage generators incorporate form wound coils and VPI insulation systems.

③ All 740 and 1000 Frame generators have 100 ohm platinum RTDs as standard equipment.

④ MAGNAPOWER™ ratings shown are for initial product offering. Ratings to 4000 kW, 80°C R/R and 60 Hz will be offered at a later date.

Notes A, B, C, D, E and F on page 25 apply to this page.

MARATHON
ELECTRIC
A Subsidiary of Regal-Beloff Corporation

4-Pole, Medium Voltage, Three Phase

3300Y/1905 Volts (6 Leads) ①②③

1905 Volts Delta

**50
Hertz**

Specifications: NEMA Class H Insulation, 1500 RPM, 40°C Ambient, 0.8 Power Factor Lagging

Type	Base Model	Net Wt. (lbs)	No. of Leads	Std. AVR	Continuous Duty						Standby				List Price
					NEMA B 80°C R/R		NEMA F 105°C R/R		NEMA H 125°C R/R		NEMA F 130°C R/R		NEMA H 150°C R/R		
					kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	
MAGNAMAX ^{DVR®}	573FSM4352	2890	6	DVR*2000	350	280	425	340	456	365	469	375	488	390	\$28,000
	573FSM4354	3030	6	DVR*2000	388	310	475	380	519	415	531	425	550	440	\$29,700
	574FSM4356	3530	6	DVR*2000	500	400	625	500	663	530	681	545	706	565	\$32,100
	574FSM4358	4050	6	DVR*2000	588	470	731	585	788	630	806	645	838	670	\$34,700
	741FSM4360	5300	6	DVR*2000	769	615	913	730	981	785	981	785	1038	830	\$37,500
	742FSM4364	6100	6	DVR*2000	963	770	1156	925	1250	1000	1250	1000	1325	1060	\$43,300
	742FSM4366	6900	6	DVR*2000	1163	930	1400	1120	1500	1200	1500	1200	1600	1280	\$48,200
	743FSM4368	7500	6	DVR*2000	1300	1040	1550	1240	1675	1340	1675	1340	1788	1430	\$51,100
	743FSM4370	8200	6	DVR*2000	1425	1140	1750	1400	1900	1520	1900	1520	2050	1640	\$55,000
744FSM4374	9300	6	DVR*2000	1525	1220	1813	1450	2000	1600	2000	1600	2188	1750	\$70,000	
MAGNAPOWER TM	1020FDM5302	11000	6	DVR*2000	1750	1400	2000	1600	2100	1680	2100	1680	2100	1680	\$101,500
	1020FDM5304	12000	6	DVR*2000	2000	1600	2300	1840	2400	1920	2400	1920	2400	1920	\$112,000
	1020FDM5306	13000	6	DVR*2000	2250	1800	2575	2060	2700	2160	2700	2160	2700	2160	\$117,000
	1020FDM5308	14000	6	DVR*2000	2500	2000	2875	2300	3000	2400	3000	2400	3000	2400	\$125,000

4-Pole, Medium Voltage, Three Phase

6600Y/3811 Volts (6 Leads) ①②③

3811 Volts Delta

**50
Hertz**

Specifications: 740 Frame NEMA Class H insulation, 1000 Frame NEMA Class F insulation, 1500 RPM, 40°C Ambient, 0.8 Power Factor Lagging. **NOTE:** 740 Frame units **MUST** employ solidly grounded neutral.

Type	Base Model	Net Wt. (lbs)	No. of Leads	Std. AVR	Continuous Duty						Standby				List Price
					NEMA B 80°C R/R		NEMA F 105°C R/R		NEMA H 125°C R/R		NEMA F 130°C R/R		NEMA H 150°C R/R		
					kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	
MAGNAMAX ^{DVR}	742FSM4460	6100	6	DVR*2000	963	770	1156	925	1250	1000	1250	1000	1325	1060	\$60,500
	742FSM4462	6900	6	DVR*2000	1163	930	1400	1120	1500	1200	1500	1200	1600	1280	\$64,000
	743FSM4464	7500	6	DVR*2000	1300	1040	1550	1240	1675	1340	1675	1340	1788	1430	\$66,000
	743FSM4466	8200	6	DVR*2000	1425	1140	1750	1400	1900	1520	1900	1520	2050	1640	\$70,500
	744FSM4470	9300	6	DVR*2000	1525	1220	1788	1430	2000	1600	2000	1600	2125	1700	\$87,000

MAGNAPOWER TM	1020FDM5380	11000	6	DVR*2000	1750	1400	2000	1600	N.A.	N.A.	2100	1680	N.A.	N.A.	\$133,000
	1020FDM5382	12000	6	DVR*2000	2000	1600	2300	1840	N.A.	N.A.	2400	1920	N.A.	N.A.	\$146,000
	1030FDM5384	13000	6	DVR*2000	2250	1800	2575	2060	N.A.	N.A.	2700	2160	N.A.	N.A.	\$155,250
	1030FDM5386	14000	6	DVR*2000	2500	2000	2875	2300	N.A.	N.A.	3000	2400	N.A.	N.A.	\$165,000

Notes: ① Medium voltage sensing potential transformers (P/Ts) are not included. For three phase sensing, 2 P/Ts required. See Modification Section for price adder.

② All medium voltage generators incorporate form wound coils and VPI insulation systems.

③ All 740 and 1000 Frame generators have 100 ohm platinum RTDs as standard equipment.

④ MAGNAPOWERTM ratings shown are for initial product offering. Ratings to 3200 kW, 80°C R/R and 50 Hz will be offered at a later date.

Notes A, B, C, D, E and F on page 25 apply to this page.

**60
Hertz****4-Pole, High Voltage, Three Phase****13800Y/7967 Volts (6 Leads) ①②****7967 Volts Delta**

Specifications: NEMA Class F Insulation, 1800 RPM, 40°C Ambient, 0.8 Power Factor Lagging

Type	Base Model	Net Weight (lbs)	No. of Leads	Std AVR	NEMA B Cont. 80°C R/R		NEMA F Cont. 105°C R/R		NEMA F Stby. 130°C R/R		List Price
					kVA	kW	kVA	kW	kVA	kW	
MAGNAPOWER™	1020FDH5300	11000	6	DVR*2000	1875	1500	2138	1710	2250	1800	\$118,500
	1020FDH5302	12000	6	DVR*2000	2188	1750	2500	2000	2625	2100	\$133,000
	1020FDH5304	13000	6	DVR*2000	2500	2000	2875	2300	3000	2400	\$146,000
	1030FDH5306	14000	6	DVR*2000	2813	2250	3213	2570	3375	2700	\$155,250
	1030FDH5308	15000	6	DVR*2000	3125	2500	3575	2860	3750	3000	\$165,000

**50
Hertz****4-Pole, High Voltage, Three Phase****11000Y/6351 Volts (6 Leads) ①②****6351 Volts Delta**

Specifications: NEMA Class F Insulation, 1500 RPM, 40°C Ambient, 0.8 Power Factor Lagging

Type	Base Model	Net Weight (lbs)	No. of Leads	Std AVR	NEMA B Cont. 80°C R/R		NEMA F Cont. 105°C R/R		NEMA F Stby. 130°C R/R		List Price
					kVA	kW	kVA	kW	kVA	kW	
MAGNAPOWER™	1020FDH5300	11000	6	DVR*2000	1500	1200	1713	1370	1800	1440	\$118,500
	1020FDH5302	12000	6	DVR*2000	1750	1400	2000	1600	2100	1680	\$133,000
	1020FDH5304	13000	6	DVR*2000	2000	1600	2300	1840	2400	1920	\$146,000
	1030FDH5306	14000	6	DVR*2000	2250	1800	2575	2060	2700	2160	\$155,250
	1030FDH5308	15000	6	DVR*2000	2500	2000	2875	2300	3000	2400	\$165,000

- Note: ① High voltage sensing potential transformers (P/Ts) are not included. For three phase sensing, 2 P/Ts are required.
 ② All 1000 Frame generators have 100 ohm platinum RTDs as standard equipment.
 ③ All high voltage generators incorporate form wound coils and VPI insulation systems.
 ④ MAGNAPOWER™ ratings shown are for initial product offering. Ratings to 4000 kW, 80°C R/R and 60 Hz and 3200 kW, 80°C R/R and 50 Hz will be offered at a later date.

Notes A, B, C, D, E and F on page 25 apply to this page.

4-Pole, Three Phase

208Y/415Y Volts (10-12 Leads)

415Y (4 Leads)

240/120 Volts Delta (12 Lead Units Only)

**50
Hertz**

Specifications: NEMA Class H Insulation, 1500 RPM, 40°C Ambient, 0.8 Power Factor Lagging

Type	Base Model	Net Weight (lbs)	No. of Leads	Voltage	Std AVR	NEMA F Cont. 105°C R/R		NEMA H Cont. 125°C R/R		NEMA H Stby. 150°C R/R		List Price
						kVA	kW	kVA	kW	kVA	kW	
Shunt (Non-PMG) Excitation MAGNAPLUS®	281PSL1500	205	12	208Y/415Y	SE350	5.6	4.5	6.3	5.0	6.6	5.3	\$1,700
	281PSL1501	210	12	208Y/415Y	SE350	6.8	5.4	7.5	6.0	8.0	6.4	\$1,775
	281PSL1502	220	12	208Y/415Y	SE350	10.0	8.0	10.8	8.6	11.4	9.1	\$1,850
	282PSL1503	240	12	208Y/415Y	SE350	12.0	9.6	13.1	10.5	14.4	11.5	\$1,950
	282PSL1504	250	12	208Y/415Y	SE350	13.8	11.0	15.0	12.0	16.3	13.0	\$2,050
	282PSL1505	275	12	208Y/415Y	SE350	18.8	15.0	20.6	16.5	22.5	18.0	\$2,200
	283PSL1506	310	12	208Y/415Y	SE350	22.5	18.0	25.0	20.0	26.3	21.0	\$2,450
	283PSL1507	350	12	208Y/415Y	SE350	26.3	21.0	30.0	24.0	31.3	25.0	\$2,650
	284PSL1508	405	12	208Y/415Y	SE350	31.3	25.0	35.0	28.0	37.5	30.0	\$2,900
	284CSL1542	420	12	208Y/415Y	SE350	36.3	29	40	32	42.5	34	\$3,000
	361PSL1600	518	12	208Y/415Y	SE350	45	36	50	40	53	42	\$3,050
	361PSL1601	569	12	208Y/415Y	SE350	50	40	56	45	60	48	\$3,300
	361PSL1602	620	12	208Y/415Y	SE350	60	48	65	52	73	58	\$3,750
	362PSL1604	706	12	208Y/415Y	SE350	81	65	90	72	96	77	\$4,050
	362PSL1606	796	12	208Y/415Y	SE350	90	72	100	80	110	88	\$4,650
	363PSL1607	943	12	208Y/415Y	SE350	113	90	130	104	133	106	\$5,000
	431PSL6202	1220	12	208Y/415Y	SE350	140	112	150	120	155	124	\$5,650
	431PSL6204	1310	12	208Y/415Y	SE350	165	132	175	140	183	146	\$6,200
	431PSL6206	1415	12	208Y/415Y	SE350	185	148	200	160	211	169	\$6,850
	431PSL6208	1455	12	208Y/415Y	SE350	206	165	225	180	235	188	\$7,250
	432PSL6210	1685	12	208Y/415Y	SE350	240	192	260	208	275	220	\$7,650
	432PSL6212	1760	12	208Y/415Y	SE350	270	216	300	240	310	248	\$8,650
	433PSL6216	2235	12	208Y/415Y	SE350	320	256	350	280	375	300	\$9,700
	433PSL6220	2245	12	208Y/415Y	SE350	355	284	400	320	410	328	\$10,300
PMG Excitation MAGNAMAX^{DVR®}	431RSL4005	1280	12	208Y/415Y	DVR*2000	136	109	145	116	151	121	\$6,500
	431RSL4007	1370	12	208Y/415Y	DVR*2000	155	124	164	131	173	138	\$6,800
	432RSL4009	1550	12	208Y/415Y	DVR*2000	189	151	203	162	214	171	\$7,200
	432RSL4011	1570	12	208Y/415Y	DVR*2000	208	166	221	177	234	187	\$7,550
	432RSL4013	1600	12	208Y/415Y	DVR*2000	231	185	244	195	255	204	\$7,750
	432RSL4015	1810	12	208Y/415Y	DVR*2000	253	202	275	220	290	232	\$8,300
	432RSL4017	1830	12	208Y/415Y	DVR*2000	258	206	278	222	294	235	\$9,250
	433RSL4019	2340	12	208Y/415Y	DVR*2000	338	270	363	290	394	315	\$10,300
	433RSL4021	2365	12	208Y/415Y	DVR*2000	366	293	394	315	413	330	\$10,900
	572RSL4024	2730	10	208Y/415Y	DVR*2000	413	330	444	355	475	380	\$11,700
	572RSL4025	2730	12	208Y/415Y	DVR*2000	413	330	444	355	475	380	\$11,900
	572RSL4027	2840	12	208Y/415Y	DVR*2000	469	375	500	400	531	425	\$12,300
	572RSL4028	3050	10	208Y/415Y	DVR*2000	500	400	531	425	563	450	\$13,500
	572RSL4029	3050	12	208Y/415Y	DVR*2000	500	400	531	425	563	450	\$13,700
	572RSL4030	3110	10	208Y/415Y	DVR*2000	550	440	581	465	625	500	\$14,000
	572RSL4031	3110	12	208Y/415Y	DVR*2000	550	440	581	465	625	500	\$14,200
	573RSL4032	3400	10	208Y/415Y	DVR*2000	650	520	700	560	738	590	\$16,300
	573RSL4033	3400	12	208Y/415Y	DVR*2000	650	520	700	560	738	590	\$16,600
	573RSL4034	3620	10	208Y/415Y	DVR*2000	669	535	713	570	756	605	\$17,800
	573RSL4035	3620	12	208Y/415Y	DVR*2000	669	535	713	570	756	605	\$18,100
	574RSL4036	4080	10	208Y/415Y	DVR*2000	731	585	788	630	838	670	\$19,000
	574RSL4037	4080	12	208Y/415Y	DVR*2000	731	585	788	630	838	670	\$19,300
	Single Voltage Only											
	574RSL4038	4240	4	415Y Only	DVR*2000	825	660	888	710	938	750	\$20,000
	575RSL4044	5000	4 Bars	415Y Only	DVR*2000	963	770	1013	810	1056	845	\$22,400
	740RSL4046	5200	4 Bars	415Y Only	DVR*2000	1106	885	1188	950	1275	1020	\$26,300
	742RSL4048	6300	4 Bars	415Y Only	DVR*2000	1131	905	1219	975	1300	1040	\$29,000
	743RSL4050	7230	4 Bars	415Y Only	DVR*2000	1438	1150	1538	1230	1638	1310	\$31,700
	743RSL4052	7800	4 Bars	415Y Only	DVR*2000	1500	1200	1600	1280	1725	1380	\$37,000
	744RSL4054	8600	4 Bars	415Y Only	DVR*2000	1725	1380	1875	1500	2013	1610	\$40,000
	744RSL4058	9740	4 Bars	415Y Only	DVR*2000	2038	1630	2225	1780	2400	1920	\$45,000
	Form Wound Coil Designs											
	744FSL4060	7300	4 Bars	415Y Only	DVR*2000	1425	1140	1550	1240	1650	1320	\$36,000
	744FSL4062	8300	4 Bars	415Y Only	DVR*2000	1750	1400	1900	1520	2025	1620	\$43,000

**50
Hertz****4-Pole, Three Phase****190Y/380Y Volts (10-12 Leads)****380Y Volts (4 Leads)****220/110 Volts Delta (12 Lead Units Only)**

Specifications: NEMA Class H Insulation, 1500 RPM, 40°C Ambient, 0.8 Power Factor Lagging

Type	Base Model	Net Weight (lbs)	No. of Leads	Voltage	Std AVR	NEMA F Cont. 105°C R/R		NEMA H Cont. 125°C R/R		NEMA H Stby. 150°C R/R		List Price
						kVA	kW	kVA	kW	kVA	kW	
Shunt (Non-PMG) Excitation MAGNAPLUS®	281PSL1500	205	12	190Y/380Y	SE350	6.3	5.0	6.6	5.3	7.3	5.8	\$1,700
	281PSL1501	210	12	190Y/380Y	SE350	7.5	6.0	8.0	6.4	8.8	7.0	\$1,775
	281PSL1502	220	12	190Y/380Y	SE350	10.6	8.5	11.3	9.0	12.0	9.6	\$1,850
	282PSL1503	240	12	190Y/380Y	SE350	13.8	11.0	13.8	11.0	15.0	12.0	\$1,950
	282PSL1504	250	12	190Y/380Y	SE350	15.0	12.0	15.6	12.5	16.9	13.5	\$2,050
	282PSL1505	275	12	190Y/380Y	SE350	20.0	16.0	21.3	17.0	22.5	18.0	\$2,200
	283PSL1506	310	12	190Y/380Y	SE350	23.1	18.5	25.0	20.0	26.3	21.0	\$2,450
	283PSL1507	350	12	190Y/380Y	SE350	26.3	21.0	30.0	24.0	31.3	25.0	\$2,650
	284PSL1508	405	12	190Y/380Y	SE350	31.3	25.0	35.0	28.0	37.5	30.0	\$2,900
	284CSL1542	420	12	190Y/380Y	SE350	37.5	30	41.3	33	43.8	35	\$3,000
	361PSL1600	518	12	190Y/380Y	SE350	44	35	45	36	50	40	\$3,050
	361PSL1601	569	12	190Y/380Y	SE350	54	43	58	46	63	50	\$3,300
	361PSL1602	620	12	190Y/380Y	SE350	65	52	70	56	75	60	\$3,750
	362PSL1604	706	12	190Y/380Y	SE350	80	64	85	68	91	73	\$4,050
	362PSL1606	796	12	190Y/380Y	SE350	94	75	100	80	110	88	\$4,650
	363PSL1607	943	12	190Y/380Y	SE350	113	90	130	104	133	106	\$5,000
	431PSL6202	1220	12	190Y/380Y	SE350	143	114	151	121	160	128	\$5,650
	431PSL6204	1310	12	190Y/380Y	SE350	166	133	176	141	185	148	\$6,200
	431PSL6206	1415	12	190Y/380Y	SE350	200	160	211	169	225	180	\$6,850
	431PSL6208	1455	12	190Y/380Y	SE350	210	168	225	180	235	188	\$7,250
PMG Excitation MAGNAMAX^{DVR®}	432PSL6210	1685	12	190Y/380Y	SE350	256	205	275	220	290	232	\$7,650
	432PSL6212	1760	12	190Y/380Y	SE350	270	216	300	240	303	242	\$8,650
	433PSL6216	2235	12	190Y/380Y	SE350	345	276	370	296	390	312	\$9,700
	433PSL6220	2245	12	190Y/380Y	SE350	375	300	400	320	423	338	\$10,300
	431RSL4005	1280	12	190Y/380Y	DVR*2000	141	113	149	119	159	127	\$6,500
	431RSL4007	1370	12	190Y/380Y	DVR*2000	159	127	168	134	180	144	\$6,800
	432RSL4009	1550	12	190Y/380Y	DVR*2000	208	166	219	175	224	179	\$7,200
	432RSL4011	1570	12	190Y/380Y	DVR*2000	218	174	231	185	243	194	\$7,550
	432RSL4013	1600	12	190Y/380Y	DVR*2000	233	186	244	195	254	203	\$7,750
	432RSL4015	1810	12	190Y/380Y	DVR*2000	276	221	294	235	300	240	\$8,300
	432RSL4017	1830	12	190Y/380Y	DVR*2000	281	225	298	238	314	251	\$9,250
	433RSL4019	2340	12	190Y/380Y	DVR*2000	356	285	375	300	406	325	\$10,300
	433RSL4021	2365	12	190Y/380Y	DVR*2000	369	295	394	315	425	340	\$10,900
	572RSL4024	2730	10	190Y/380Y	DVR*2000	469	375	500	400	506	405	\$11,700
	572RSL4025	2730	12	190Y/380Y	DVR*2000	469	375	500	400	506	405	\$11,900
	572RSL4027	2840	12	190Y/380Y	DVR*2000	475	380	500	400	544	435	\$12,300
	572RSL4028	3050	10	190Y/380Y	DVR*2000	550	440	588	470	600	480	\$13,500
	572RSL4029	3050	12	190Y/380Y	DVR*2000	550	440	588	470	600	480	\$13,700
	572RSL4030	3110	10	190Y/380Y	DVR*2000	563	450	600	480	644	515	\$14,000
	572RSL4031	3110	12	190Y/380Y	DVR*2000	563	450	600	480	644	515	\$14,200
	573RSL4032	3400	10	190Y/380Y	DVR*2000	700	560	750	600	775	620	\$16,300
	573RSL4033	3400	12	190Y/380Y	DVR*2000	700	560	750	600	775	620	\$16,600
	573RSL4034	3620	10	190Y/380Y	DVR*2000	738	590	781	625	819	655	\$17,800
	573RSL4035	3620	12	190Y/380Y	DVR*2000	738	590	781	625	819	655	\$18,100
	574RSL4036	4080	10	190Y/380Y	DVR*2000	769	615	819	655	888	710	\$19,000
	574RSL4037	4080	12	190Y/380Y	DVR*2000	769	615	819	655	888	710	\$19,300
	Single Voltage Only											
	574RSL4038	4240	4	380Y Only	DVR*2000	831	665	888	710	956	765	\$20,000
	575RSL4044	5000	4 Bars	380Y Only	DVR*2000	963	770	1031	825	1138	910	\$22,400
	740RSL4046	5200	4 Bars	380Y Only	DVR*2000	1125	900	1200	960	1300	1040	\$26,300
	742RSL4048	6300	4 Bars	380Y Only	DVR*2000	1181	945	1250	1000	1338	1070	\$29,000
	743RSL4050	7230	4 Bars	380Y Only	DVR*2000	1363	1090	1463	1170	1563	1250	\$31,700
	743RSL4052	7800	4 Bars	380Y Only	DVR*2000	1650	1320	1775	1420	1850	1480	\$37,000
	744RSL4054	8600	4 Bars	380Y Only	DVR*2000	1750	1400	1875	1500	1988	1590	\$40,000
	744RSL4058	9740	4 Bars	380Y Only	DVR*2000	2013	1610	2150	1720	2337	1870	\$45,000
	Form Wound Coil Designs											
	744FSL4060	7300	4 Bars	380Y Only	DVR*2000	1450	1160	1563	1250	1650	1320	\$36,000
	744FSL4062	8300	4 Bars	380Y Only	DVR*2000	1725	1380	1875	1500	1963	1570	\$43,000

Notes A, B, C, D, E and F on page 25 apply to this page.

4-Pole, Three Phase

220Y/440Y Volts (10-12 Leads)

440Y Volts (4 Leads)

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Hertz**

Specifications: NEMA Class H Insulation, 1500 RPM, 40°C Ambient, 0.8 Power Factor Lagging

Type		Base Model	Net Weight (lbs)	No. of Leads	Voltage	Std AVR	NEMA F Cont. 105°C R/R		NEMA H Cont. 125°C R/R		NEMA H Stby. 150°C R/R		List Price		
							kVA	kW	kVA	kW	kVA	kW			
Shunt (Non-PMG) Excitation	MAGNAPLUS®	281PSL1500	205	12	220Y/440Y	SE350	4.5	3.6	5.1	4.1	5.8	4.6	\$1,700		
		281PSL1501	210	12	220Y/440Y	SE350	5.4	4.3	6.1	4.9	6.9	5.5	\$1,775		
		281PSL1502	220	12	220Y/440Y	SE350	9.4	7.5	10.1	8.1	10.8	8.6	\$1,850		
		282PSL1503	240	12	220Y/440Y	SE350	10.3	8.2	12.0	9.6	12.5	10.0	\$1,950		
		282PSL1504	250	12	220Y/440Y	SE350	12.0	9.6	13.1	10.5	15.0	12.0	\$2,050		
		282PSL1505	275	12	220Y/440Y	SE350	17.5	14.0	19.4	15.5	20.6	16.5	\$2,200		
		283PSL1506	310	12	220Y/440Y	SE350	19.4	15.5	21.9	17.5	23.8	19.0	\$2,450		
		283PSL1507	350	12	220Y/440Y	SE350	23.8	19.0	27.5	22.0	28.8	23.0	\$2,650		
		284PSL1508	405	12	220Y/440Y	SE350	27.5	22.0	31.3	25.0	35.0	28.0	\$2,900		
		361PSL1600	518	12	220Y/440Y	SE350	41	32	45	36	47	38	\$3,050		
		361PSL1601	569	12	220Y/440Y	SE350	45	36	51	41	54	43	\$3,300		
		361PSL1602	620	12	220Y/440Y	SE350	51	41	56	45	60	48	\$3,750		
		362PSL1604	706	12	220Y/440Y	SE350	75	60	81	65	88	70	\$4,050		
		362PSL1606	796	12	220Y/440Y	SE350	81	65	90	72	100	80	\$4,650		
		363PSL1607	943	12	220Y/440Y	SE350	101	81	113	90	119	95	\$5,000		
		431PSL6202	1220	12	220Y/440Y	SE350	130	104	140	112	150	120	\$5,650		
		431PSL6204	1310	12	220Y/440Y	SE350	151	121	163	130	173	138	\$6,200		
		431PSL6206	1415	12	220Y/440Y	SE350	161	129	176	141	190	152	\$6,850		
		431PSL6208	1455	12	220Y/440Y	SE350	195	156	210	168	225	180	\$7,250		
		432PSL6210	1685	12	220Y/440Y	SE350	210	168	230	184	250	200	\$7,650		
432PSL6212	1760	12	220Y/440Y	SE350	260	208	280	224	300	240	\$8,650				
433PSL6216	2235	12	220Y/440Y	SE350	265	212	300	240	326	261	\$9,700				
433PSL6220	2245	12	220Y/440Y	SE350	310	248	343	274	371	297	\$10,300				
PMG Excitation	MAGNAMAX ^{DVR®}	431RSL4005	1280	12	220Y/440Y	DVR*2000	120	96	130	104	138	110	\$6,500		
		431RSL4007	1370	12	220Y/440Y	DVR*2000	131	105	141	113	151	121	\$6,800		
		432RSL4009	1550	12	220Y/440Y	DVR*2000	155	124	169	135	181	145	\$7,200		
		432RSL4011	1570	12	220Y/440Y	DVR*2000	185	148	200	160	214	171	\$7,550		
		432RSL4013	1600	12	220Y/440Y	DVR*2000	216	173	229	183	239	191	\$7,750		
		432RSL4015	1810	12	220Y/440Y	DVR*2000	206	165	229	183	248	198	\$8,300		
		432RSL4017	1830	12	220Y/440Y	DVR*2000	224	179	245	196	264	211	\$9,250		
		433RSL4019	2340	12	220Y/440Y	DVR*2000	256	205	288	230	325	260	\$10,300		
		433RSL4021	2365	12	220Y/440Y	DVR*2000	326	261	358	286	388	310	\$10,900		
		572RSL4024	2730	10	220Y/440Y	DVR*2000	331	265	363	290	394	315	\$11,700		
		572RSL4025	2730	12	220Y/440Y	DVR*2000	331	265	363	290	394	315	\$11,900		
		572RSL4027	2840	12	220Y/440Y	DVR*2000	381	305	419	335	444	355	\$12,300		
		572RSL4028	3050	10	220Y/440Y	DVR*2000	363	290	406	325	444	355	\$13,500		
		572RSL4029	3050	12	220Y/440Y	DVR*2000	363	290	406	325	444	355	\$13,700		
		572RSL4030	3110	10	220Y/440Y	DVR*2000	469	375	519	415	563	450	\$14,000		
		572RSL4031	3110	12	220Y/440Y	DVR*2000	469	375	519	415	563	450	\$14,200		
		573RSL4032	3400	10	220Y/440Y	DVR*2000	556	445	606	485	656	525	\$16,300		
		573RSL4033	3400	12	220Y/440Y	DVR*2000	556	445	606	485	656	525	\$16,600		
		573RSL4034	3620	10	220Y/440Y	DVR*2000	513	410	569	455	619	495	\$17,800		
		573RSL4035	3620	12	220Y/440Y	DVR*2000	513	410	569	455	619	495	\$18,100		
		574RSL4036	4080	10	220Y/440Y	DVR*2000	569	455	631	505	688	550	\$19,000		
		574RSL4037	4080	12	220Y/440Y	DVR*2000	569	455	631	505	688	550	\$19,300		
		Single Voltage Only													
		574RSL4038	4240	4	440Y Only	DVR*2000	725	580	794	635	850	680	\$20,000		
		575RSL4044	5000	4 Bars	440Y Only	DVR*2000	681	545	781	625	875	700	\$22,400		
		740RSL4046	5200	4 Bars	440Y Only	DVR*2000	913	730	1000	800	1094	875	\$26,300		
742RSL4048	6300	4 Bars	440Y Only	DVR*2000	938	750	1031	825	1113	890	\$29,000				
743RSL4050	7230	4 Bars	440Y Only	DVR*2000	1350	1080	1463	1170	1563	1250	\$31,700				
743RSL4052	7800	4 Bars	440Y Only	DVR*2000	1119	895	1263	1010	1388	1110	\$37,000				
744RSL4054	8600	4 Bars	440Y Only	DVR*2000	1363	1090	1550	1240	1713	1370	\$40,000				
744RSL4058	9740	4 Bars	440Y Only	DVR*2000	1538	1230	1725	1380	1875	1500	\$45,000				
Form Wound Coil Designs															
744FSL4060	7300	4 Bars	440Y Only	DVR*2000	1350	1080	1475	1180	1588	1270	\$36,000				
744FSL4062	8300	4 Bars	440Y Only	DVR*2000	1575	1260	1725	1380	1863	1490	\$43,000				

Notes A, B, C, D, E and F on page 25 apply to this page.

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Hertz**

4-Pole, Three Phase

200Y/400Y Volts (10-12 Leads)

400Y Volts (4 Leads)

230/115 Volts Delta (12 Lead Units Only)

Specifications: NEMA Class H Insulation, 1500 RPM, 40°C Ambient, 3 Phase, 0.8 Power Factor Lagging

Type		Base Model	Net Weight (lbs)	No. of Leads	Voltage	Std AVR	NEMA F Cont.		NEMA H Cont.		NEMA H Stby.		List Price		
							105°C R/R		125°C R/R		150°C R/R				
							kVA	kW	kVA	kW	kVA	kW			
Shunt (Non-PMG) Excitation	MAGNAPLUS®	281PSL1500	205	12	200Y/400Y	SE350	6.0	4.8	6.4	5.1	7.0	5.6	\$1,700		
		281PSL1501	210	12	200Y/400Y	SE350	7.1	5.7	7.8	6.2	8.4	6.7	\$1,775		
		281PSL1502	220	12	200Y/400Y	SE350	10.4	8.3	11.1	8.9	11.9	9.5	\$1,850		
		282PSL1503	240	12	200Y/400Y	SE350	12.5	10.0	13.8	11.0	15.0	12.0	\$1,950		
		282PSL1504	250	12	200Y/400Y	SE350	14.4	11.5	15.0	12.0	16.3	13.0	\$2,050		
		282PSL1505	275	12	200Y/400Y	SE350	20.0	16.0	21.3	17.0	22.5	18.0	\$2,200		
		283PSL1506	310	12	200Y/400Y	SE350	22.5	18.0	25.0	20.0	26.3	21.0	\$2,450		
		283PSL1507	350	12	200Y/400Y	SE350	26.3	21.0	30.0	24.0	31.3	25.0	\$2,650		
		284PSL1508	405	12	200Y/400Y	SE350	31.3	25.0	35.0	28.0	37.5	30.0	\$2,900		
		284CSL1542	420	12	200Y/400Y	SE350	37.5	30	41.3	33	45	36	\$3,000		
		361PSL1600	518	12	200Y/400Y	SE350	44	36	48	38	51	41	\$3,050		
		361PSL1601	569	12	200Y/400Y	SE350	52	42	57	46	61	49	\$3,300		
		361PSL1602	620	12	200Y/400Y	SE350	63	50	68	54	75	60	\$3,750		
		362PSL1604	706	12	200Y/400Y	SE350	81	65	88	70	94	75	\$4,050		
		362PSL1606	796	12	200Y/400Y	SE350	94	75	100	80	110	88	\$4,650		
		363PSL1607	943	12	200Y/400Y	SE350	113	90	130	104	133	106	\$5,000		
		431PSL6202	1220	12	200Y/400Y	SE350	141	113	150	120	160	128	\$5,650		
		431PSL6204	1310	12	200Y/400Y	SE350	165	132	175	140	185	148	\$6,200		
		431PSL6206	1415	12	200Y/400Y	SE350	193	154	206	165	220	176	\$6,850		
		431PSL6208	1455	12	200Y/400Y	SE350	210	168	225	180	235	188	\$7,250		
432PSL6210	1685	12	200Y/400Y	SE350	251	201	270	216	285	228	\$7,650				
432PSL6212	1760	12	200Y/400Y	SE350	271	217	300	240	306	245	\$8,650				
433PSL6216	2235	12	200Y/400Y	SE350	331	265	360	288	385	308	\$9,700				
433PSL6220	2245	12	200Y/400Y	SE350	368	294	400	320	420	336	\$10,300				
PMG Excitation	MAGNAMAX ^{DVR®}	431RSL4005	1280	12	200Y/400Y	DVR*2000	143	114	151	121	158	126	\$6,500		
		431RSL4007	1370	12	200Y/400Y	DVR*2000	161	129	170	136	179	143	\$6,800		
		432RSL4009	1550	12	200Y/400Y	DVR*2000	200	160	214	171	225	180	\$7,200		
		432RSL4011	1570	12	200Y/400Y	DVR*2000	218	174	231	185	243	194	\$7,550		
		432RSL4013	1600	12	200Y/400Y	DVR*2000	231	185	244	195	253	202	\$7,750		
		432RSL4015	1810	12	200Y/400Y	DVR*2000	268	214	286	229	303	242	\$8,300		
		432RSL4017	1830	12	200Y/400Y	DVR*2000	270	216	289	231	305	244	\$9,250		
		433RSL4019	2340	12	200Y/400Y	DVR*2000	344	275	369	295	406	325	\$10,300		
		433RSL4021	2365	12	200Y/400Y	DVR*2000	375	300	400	320	425	340	\$10,900		
		572RSL4024	2730	10	200Y/400Y	DVR*2000	450	360	475	380	506	405	\$11,700		
		572RSL4025	2730	12	200Y/400Y	DVR*2000	450	360	475	380	506	405	\$11,900		
		572RSL4027	2840	12	200Y/400Y	DVR*2000	494	395	519	415	550	440	\$12,300		
		572RSL4028	3050	10	200Y/400Y	DVR*2000	531	425	569	455	600	480	\$13,500		
		572RSL4029	3050	12	200Y/400Y	DVR*2000	531	425	569	455	600	480	\$13,700		
		572RSL4030	3110	10	200Y/400Y	DVR*2000	563	450	600	480	638	510	\$14,000		
		572RSL4031	3110	12	200Y/400Y	DVR*2000	563	450	600	480	638	510	\$14,200		
		573RSL4032	3400	10	200Y/400Y	DVR*2000	688	550	725	580	763	610	\$16,300		
		573RSL4033	3400	12	200Y/400Y	DVR*2000	688	550	725	580	763	610	\$16,600		
		573RSL4034	3620	10	200Y/400Y	DVR*2000	706	565	750	600	794	635	\$17,800		
		573RSL4035	3620	12	200Y/400Y	DVR*2000	706	565	750	600	794	635	\$18,100		
		574RSL4036	4080	10	200Y/400Y	DVR*2000	794	635	850	680	894	715	\$19,000		
		574RSL4037	4080	12	200Y/400Y	DVR*2000	794	635	850	680	894	715	\$19,300		
		Single Voltage Only													
		574RSL4038	4240	4	400Y Only	DVR*2000	850	680	913	730	963	770	\$20,000		
		575RSL4044	5000	4 Bars	400Y Only	DVR*2000	963	770	1038	830	1144	915	\$22,400		
		740RSL4046	5200	4 Bars	400Y Only	DVR*2000	1150	920	1225	980	1338	1070	\$26,300		
		742RSL4048	6300	4 Bars	400Y Only	DVR*2000	1200	960	1288	1030	1363	1090	\$29,000		
		743RSL4050	7230	4 Bars	400Y Only	DVR*2000	1450	1160	1550	1240	1638	1310	\$31,700		
743RSL4052	7800	4 Bars	400Y Only	DVR*2000	1550	1240	1688	1350	1813	1450	\$37,000				
744RSL4054	8600	4 Bars	400Y Only	DVR*2000	1788	1430	1925	1540	2038	1630	\$40,000				
744RSL4058	9740	4 Bars	400Y Only	DVR*2000	2089	1670	2238	1790	2438	1950	\$45,000				
Form Wound Coil Designs															
744FSL4060	7300	4 Bars	400Y Only	DVR*2000	1438	1150	1550	1240	1663	1330	\$36,000				
744FSL4062	8300	4 Bars	400Y Only	DVR*2000	1763	1410	1900	1520	2013	1610	\$43,000				

Notes A, B, C, D, E and F on page 25 apply to this page.

4-Pole, Three Phase, Broad Range

190Y-208Y/380Y-415Y Volts (10-12 Leads)

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Hertz**

Specifications: NEMA Class H Insulation, 1500 RPM, 40°C Ambient, 0.8 Power Factor Lagging

Type	Base Model	Net Weight (lbs)	No. of Leads	Voltage	Std AVR	NEMA F Cont. 105°C R/R		NEMA H Cont. 125°C R/R		NEMA H Stby. 150°C R/R		List Price
						kVA	kW	kVA	kW	kVA	kW	
Shunt (Non-PMG) Excitation MAGNAPLUS®	281PSL1500	205	12	190-208/380-415	SE350	5.6	4.5	6.3	5.0	6.6	5.3	\$1,700
	281PSL1501	210	12	190-208/380-415	SE350	6.8	5.4	7.5	6.0	8.0	6.4	\$1,775
	281PSL1502	220	12	190-208/380-415	SE350	10.0	8.0	10.8	8.6	11.4	9.1	\$1,850
	282PSL1503	240	12	190-208/380-415	SE350	12.0	9.6	13.1	10.5	14.4	11.5	\$1,950
	282PSL1504	250	12	190-208/380-415	SE350	13.8	11.0	15.0	12.0	16.3	13.0	\$2,050
	282PSL1505	275	12	190-208/380-415	SE350	18.8	15.0	20.6	16.5	22.5	18.0	\$2,200
	283PSL1506	310	12	190-208/380-415	SE350	22.5	18.0	25.0	20.0	26.3	21.0	\$2,450
	283PSL1507	350	12	190-208/380-415	SE350	26.3	21.0	30.0	24.0	31.3	25.0	\$2,650
	284PSL1508	405	12	190-208/380-415	SE350	31.3	25.0	35.0	28.0	37.5	30.0	\$2,900
	284CSL1542	420	12	190-208/380-415	SE350	36.3	29	40	32	42.5	34	\$3,000
	361PSL1600	518	12	190-208/380-415	SE350	44	35	45	36	50	40	\$3,050
	361PSL1601	569	12	190-208/380-415	SE350	50	40	56	45	60	48	\$3,300
	361PSL1602	620	12	190-208/380-415	SE350	60	48	65	52	73	58	\$3,750
	362PSL1604	706	12	190-208/380-415	SE350	80	64	85	68	91	73	\$4,050
	362PSL1606	796	12	190-208/380-415	SE350	90	72	100	80	110	88	\$4,650
	363PSL1607	943	12	190-208/380-415	SE350	113	90	130	104	133	106	\$5,000
	431PSL6202	1220	12	190-208/380-415	SE350	140	112	150	120	155	124	\$5,650
	431PSL6204	1310	12	190-208/380-415	SE350	165	132	175	140	183	146	\$6,200
	431PSL6206	1415	12	190-208/380-415	SE350	185	148	200	160	211	169	\$6,850
	431PSL6208	1455	12	190-208/380-415	SE350	206	165	225	180	235	188	\$7,250
PMG Excitation MAGNAMAX® DVR®	432PSL6210	1685	12	190-208/380-415	SE350	240	192	260	208	275	220	\$7,650
	432PSL6212	1760	12	190-208/380-415	SE350	270	216	300	240	303	242	\$8,650
	433PSL6216	2235	12	190-208/380-415	SE350	320	256	350	280	375	300	\$9,700
	433PSL6220	2245	12	190-208/380-415	SE350	355	284	400	320	410	328	\$10,300
	431RSL4005	1280	12	190-208/380-415	DVR*2000	136	109	145	116	151	121	\$6,500
	431RSL4007	1370	12	190-208/380-415	DVR*2000	155	124	164	131	173	138	\$6,800
	432RSL4009	1550	12	190-208/380-415	DVR*2000	189	151	203	162	214	171	\$7,200
	432RSL4011	1570	12	190-208/380-415	DVR*2000	208	166	221	177	234	187	\$7,550
	432RSL4013	1600	12	190-208/380-415	DVR*2000	231	185	244	195	253	202	\$7,750
	432RSL4015	1810	12	190-208/380-415	DVR*2000	253	202	275	220	290	232	\$8,300
	432RSL4017	1830	12	190-208/380-415	DVR*2000	258	206	278	222	294	235	\$9,250
	433RSL4019	2340	12	190-208/380-415	DVR*2000	338	270	363	290	394	315	\$10,300
	433RSL4021	2365	12	190-208/380-415	DVR*2000	366	293	394	315	413	330	\$10,900
	572RSL4024	2730	10	190-208/380-415	DVR*2000	413	330	444	355	475	380	\$11,700
	572RSL4025	2730	12	190-208/380-415	DVR*2000	413	330	444	355	475	380	\$11,900
	572RSL4027	2840	12	190-208/380-415	DVR*2000	469	375	500	400	531	425	\$12,300
	572RSL4028	3050	10	190-208/380-415	DVR*2000	500	400	531	425	563	450	\$13,500
	572RSL4029	3050	12	190-208/380-415	DVR*2000	500	400	531	425	563	450	\$13,700
	572RSL4030	3110	10	190-208/380-415	DVR*2000	550	440	581	465	625	500	\$14,000
	572RSL4031	3110	12	190-208/380-415	DVR*2000	550	440	581	465	625	500	\$14,200
	573RSL4032	3400	10	190-208/380-415	DVR*2000	650	520	700	560	738	590	\$16,300
	573RSL4033	3400	12	190-208/380-415	DVR*2000	650	520	700	560	738	590	\$16,600
	573RSL4034	3620	10	190-208/380-415	DVR*2000	669	535	713	570	756	605	\$17,800
	573RSL4035	3620	12	190-208/380-415	DVR*2000	669	535	713	570	756	605	\$18,100
	574RSL4036	4080	10	190-208/380-415	DVR*2000	731	585	788	630	838	670	\$19,000
	574RSL4037	4080	12	190-208/380-415	DVR*2000	731	585	788	630	838	670	\$19,300
	741RSL4045	5490	12	190-208/380-415	DVR*2000	969	775	1038	830	1106	885	\$24,800
	742RSL4049	6300	12	190-208/380-415	DVR*2000	1131	905	1219	975	1300	1040	\$31,000

Notes A, B, C, D, E and F on page 25 apply to this page.

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Hertz****4-Pole, Single Phase****220/110 Volts (12 Leads Only)****110 Volts Delta (12 Leads Only) ①**

These are standard three phase generators—
see dedicated single phase generators
below as an alternative

Specifications: NEMA Class H Insulation, 1500 RPM, 40°C Ambient

Type	Base Model	Net Weight (lbs)	Std AVR	Ratings @ 0.8 Power Factor Lagging						Ratings @ 1.0 Power Factor			List Price
				NEMA F Cont. 105°C R/R		NEMA H Cont. 125°C R/R		NEMA H Stby. 150°C R/R		NEMA F Cont. 105°C R/R	NEMA H Cont. 125°C R/R	NEMA H Stby. 150°C R/R	
				kVA	kW	kVA	kW	kVA	kW	kVA/kW	kVA/kW	kVA/kW	
MAGNAPLUS®	281PSL1500	205	SE350	3.1	2.5	3.3	2.6	3.4	2.7	4.0	4.2	4.4	\$1,700
	281PSL1501	210	SE350	4.1	3.3	4.4	3.5	4.5	3.6	5.2	5.5	5.7	\$1,775
	281PSL1502	220	SE350	5.9	4.7	6.3	5.0	6.5	5.2	6.8	7.2	7.5	\$1,850
	282PSL1503	240	SE350	7.5	6.0	7.9	6.3	8.1	6.5	8.7	9.3	9.7	\$1,950
	282PSL1504	250	SE350	9.0	7.2	9.4	7.5	10.0	8.0	10.0	11.0	12.0	\$2,050
	282PSL1505	275	SE350	10.6	8.5	11.9	9.5	12.5	10.0	12.0	13.0	14.0	\$2,200
	283PSL1506	310	SE350	12.5	10.0	13.8	11.0	15.0	12.0	14.0	15.0	17.0	\$2,450
	283PSL1507	350	SE350	15.6	12.5	16.9	13.5	18.1	14.5	16.0	18.0	20.0	\$2,650
	284PSL1508	405	SE350	17.5	14.0	18.8	15.0	20.6	16.5	18.0	20.0	22.0	\$2,900
	284CSL1542	420	SE350	22.5	18	25	20	26.3	21	25	27	29	\$3,000
	361PSL1600	518	SE350	25	20	26	21	29	23	28	30	32	\$3,050
	361PSL1601	569	SE350	29	23	31	25	34	27	33	35	38	\$3,300
	361PSL1602	620	SE350	33	26	35	28	39	31	37	40	43	\$3,750
	362PSL1604	706	SE350	44	35	48	38	53	42	46	50	54	\$4,050
	362PSL1606	796	SE350	51	41	56	45	60	48	56	60	65	\$4,650
	363PSL1607	943	SE350	58	46	63	50	66	53	60	65	70	\$5,000
	431PSL6202	1220	SE350	90	72	95	76	100	80	90	95	100	\$5,650
	431PSL6204	1310	SE350	100	80	110	88	115	92	100	110	115	\$6,200
	431PSL6206	1415	SE350	120	96	130	104	135	108	120	130	135	\$6,850
	431PSL6208	1455	SE350	125	100	140	112	145	116	125	140	145	\$7,250
MAGNAMAX^{DVR®}	432PSL6210	1685	SE350	150	120	165	132	170	136	150	165	170	\$7,650
	432PSL6212	1760	SE350	145	116	160	128	165	132	145	160	165	\$8,650
	433PSL6216	2235	SE350	190	152	200	160	215	172	190	200	215	\$9,700
	433PSL6220	2245	SE350	190	152	200	160	215	172	190	200	215	\$10,300
	431RSL4005	1280	DVR*2000	70	56	96	77	76	61	70	74	77	\$6,500
	431RSL4007	1370	DVR*2000	91	73	99	79	101	81	92	97	102	\$6,800
	432RSL4009	1550	DVR*2000	116	93	121	97	130	104	116	124	130	\$7,200
	432RSL4011	1570	DVR*2000	115	92	124	99	128	102	115	122	128	\$7,550
	432RSL4013	1600	DVR*2000	118	94	124	99	129	103	118	124	129	\$7,750
	432RSL4015	1810	DVR*2000	136	109	146	117	155	124	136	146	155	\$8,300
MAGNAMAX^{DVR®}	432RSL4017	1830	DVR*2000	134	107	143	114	151	121	134	143	151	\$9,250
	433RSL4019	2340	DVR*2000	169	135	181	145	200	160	169	181	200	\$10,300
	433RSL4021	2365	DVR*2000	179	143	191	153	203	162	179	191	203	\$10,900

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Hertz****4-Pole, Dedicated Single Phase****110 or 220/110 Volts (4 Leads) ①**

Specifications: NEMA Class H Insulation, 1500 RPM, 40°C Ambient

Type	Base Model	Net Weight (lbs)	Std AVR	Ratings @ 0.8 Power Factor Lagging						Ratings @ 1.0 Power Factor			List Price
				NEMA F Cont. 105°C R/R		NEMA H Cont. 125°C R/R		NEMA H Stby. 150°C R/R		NEMA F Cont. 105°C R/R	NEMA H Cont. 125°C R/R	NEMA H Stby. 150°C R/R	
				kVA	kW	kVA	kW	kVA	kW	kVA/kW	kVA/kW	kVA/kW	
MAGNAPLUS®	281PSL1511	200	SE350	3.5	2.8	3.8	3.0	3.9	3.1	4.7	4.9	5.1	\$1,630
	281PSL1512	206	SE350	4.4	3.5	4.5	3.6	4.8	3.8	5.7	6.0	6.4	\$1,730
	281PSL1513	216	SE350	5.6	4.5	6.3	5.0	6.6	5.3	7.5	8.0	8.5	\$1,870
	282PSL1514	236	SE350	6.5	5.2	7.5	6.0	7.9	6.3	9.0	9.7	10.5	\$1,960
	282PSL1515	250	SE350	9.4	7.5	10.0	8.0	10.6	8.5	12.5	14.0	15.0	\$2,010
	283PSL1516	279	SE350	8.8	7.0	10.0	8.0	11.3	9.0	13.5	15.0	16.5	\$2,260
	284PSL1517	349	SE350	13.1	10.5	15.0	12.0	16.3	13.0	19.0	21.0	23.0	\$2,530
	361PSL1611	513	SE350	N/A	N/A	N/A	N/A	N/A	N/A	28	31	35	\$3,260
	361PSL1612	578	SE350	24	19	26	21	30	24	37	40	45	\$3,500
	361PSL1613	626	SE350	39	31	44	35	46	37	50	54	58	\$3,810
	362PSL1615	779	SE350	39	31	44	35	46	37	55	60	65	\$4,050
	431PSL6222	1070	SE350	60	48	63	50	70	56	86	93	100	\$5,500
	431PSL6224	1280	SE350	81	65	88	70	95	76	115	125	135	\$6,100
	432PSL6228	1720	SE350	145	116	156	125	170	136	170	185	195	\$7,200

Notes: ① For 110 volt only service, use an AVC63-4A or a VR63-4C voltage regulator to replace the standard SE350 regulator.
See Modification Section, for price adder.

Notes A, B, C, D, E and F on page 25 apply to this page.

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Ratings for all units on this page are very application specific and require an application review for proper sizing. Please contact factory for application assistance.

4-Pole, Three Phase Drill Rig Duty ① 480Y/277 Volts (4 Leads)

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Hertz**

Specifications: NEMA Class H Insulation, 1800 RPM, 40°C Ambient, 0.8 Power Factor Lagging

Type	Base Model	Net Weight (lbs)	No. of Leads	Standard Voltage Regulator	kW Rating		List Price
					NEMA B 80°C R/R		
					0.7 P.F. Lagging	0.8 P.F. Lagging	
MAGNAMAX ^{DVR®}	574FSL4204	3650	4 Bar	DVR*2000	500	570	\$25,200
	742FSL4208	5900	4 Bar	DVR*2000	700	800	\$31,000
	743FSL4210	6500	4 Bar	DVR*2000	800	900	\$32,000
	743FSL4212	6900	4 Bar	DVR*2000	900	1025	\$33,000
	744FSL4214	7300	4 Bar	DVR*2000	1000	1140	\$35,000
	744FSL4216	8300	4 Bar	DVR*2000	1200	1375	\$44,000

4-Pole, Three Phase Drill Rig Duty ① 600Y/346 Volts (4 Leads)

**60
Hertz**

Specifications: NEMA Class H Insulation, 1800 RPM, 40°C Ambient, 0.8 Power Factor Lagging

Type	Base Model	Net Weight (lbs)	No. of Leads	Standard Voltage Regulator	kW Rating		List Price
					NEMA B 80°C R/R		
					0.7 P.F. Lagging	0.8 P.F. Lagging	
MAGNAMAX ^{DVR®}	574FSS4226	3650	4 Bar	DVR*2000	500	570	\$26,800
	742FSS4230	5900	4 Bar	DVR*2000	700	800	\$40,800
	743FSS4232	6500	4 Bar	DVR*2000	800	900	\$47,000
	743FSS4234	6900	4 Bar	DVR*2000	900	1025	\$49,400
	744FSS4236	7300	4 Bar	DVR*2000	1000	1140	\$52,500
	744FSS4238	8300	4 Bar	DVR*2000	1200	1375	\$58,900

Note: ① Models include VPI insulation, form wound coil construction, PMG excitation support, raised drip cover, and space heaters as standard equipment. All models are specially designed to accept heavy SCR (Thyristor) loading.

Notes A, B, C, D, E and F on page 25 apply to this page.

4-Pole, Three Phase Crane Duty Generators MAGNAMAX^{DVR®}

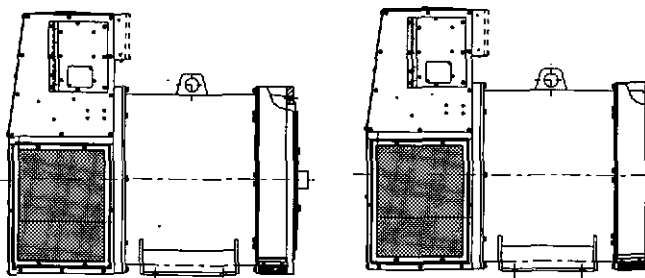
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Hertz**

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Hertz**

Marathon Electric's Crane Duty AC generators are designed for Rubber Tired Gantry Cranes or other mobile/stationary crane applications:

STANDARD FEATURES:

- Form wound main stator coils with special VPI insulation system.
- Epoxy overcoat for humid and salt air environments.
- Intake air filters with pressure shut-off switches.
- IP23 weather protected enclosures and space heaters.
- Heavy duty ball bearings with a B-10 life of 40,000 hours.
- Low sub-transient (X"d) reactance and low voltage dip.
- PMG excitation support system and three phase, true RMS sensing voltage regulator.
- Single or optional two bearing close-coupled engine mounting.



For application assistance and dimensions . . .
contact Marathon Electric

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Hertz****6-Pole, Three Phase, Broad Range****208Y-240Y/416Y-480Y Volts (12 Leads) ②****240/120 Volts Delta (12 Leads)**

Specifications: NEMA Class F Insulation, 1200 RPM, 40°C Ambient, 0.8 Power Factor Lagging

Type	Base Model	Net Weight (lbs)	Standard Voltage Regulator	kW Rating		List Price
				NEMA B Continuous 80°C R/R	NEMA F Continuous 105°C R/R	
Shunt Non-PMG Lima SER®	361SSL0105	580	SE350	21	23	\$4,790
	361SSL0107	605	SE350	32	35	\$5,100
	361SSL0108	685	SE350	42	45	\$5,970
	441SSL0109	885	SE350	55	61	\$6,180
	441SSL0110	970	SE350	67	75	\$6,900
	441SSL0111	1035	SE350	75	81	\$7,620
	441SSL0112	1185	SE350	103	112	\$8,760

**50
Hertz****6-Pole, Three Phase, Broad Range****190Y-208Y/380Y-415Y Volts (12 Leads) ②****220/110 Volts Delta (12 Leads)**

Specifications: NEMA Class F Insulation, 1000 RPM, 40°C Ambient, 0.8 Power Factor Lagging

Type	Base Model	Net Weight (lbs)	Standard Voltage Regulator	kVA Rating		kW Rating		List Price
				NEMA B Continuous 80°C R/R	NEMA F Continuous 105°C R/R	NEMA B Continuous 80°C R/R	NEMA F Continuous 105°C R/R	
Shunt Non-PMG Lima SER®	361SSL0105	580	SE350	18.8	20.0	15	16	\$4,790
	361SSL0107	605	SE350	28.8	31.3	23	25	\$5,100
	361SSL0108	685	SE350	38.8	45.0	31	36	\$5,970
	441SSL0109	885	SE350	47.5	52.5	38	42	\$6,180
	441SSL0110	970	SE350	62.5	71.3	50	57	\$6,900
	441SSL0111	1035	SE350	66.3	75.0	53	60	\$7,620
	441SSL0112	1185	SE350	102.5	112.5	82	90	\$8,760

**60
Hertz****6-Pole, Single Phase****240/120 Volts Zigzag or****Double Delta Connection ①②****(12 Leads)**

Specifications: NEMA Class F Insulation, 1200 RPM, 40°C Ambient

Type	Base Model	Net Weight (lbs)	Standard Voltage Regulator	kW Rating				List Price
				0.8 P.F. Lagging		1.0 P.F. Lagging		
				NEMA B Continuous 80°C R/R	NEMA F Continuous 105°C R/R	NEMA B Continuous 80°C R/R	NEMA F Continuous 105°C R/R	
Shunt Non-PMG Lima SER®	361SSL0105	580	SE350	12	13	15	16	\$4,790
	361SSL0107	605	SE350	16	17	20	22	\$5,100
	361SSL0108	685	SE350	22	23	27	29	\$5,970
	441SSL0109	885	SE350	30	34	38	43	\$6,180
	441SSL0110	970	SE350	36	40	45	50	\$6,900
	441SSL0111	1035	SE350	42	45	53	56	\$7,620
	441SSL0112	1185	SE350	50	52	62	65	\$8,760

Notes: ① For 120 volt only service, use an AVC63-4A or a VR63-4C voltage regulator to replace the standard SE350 regulator.
See Modification Section for price adder.

② Available in standard or "Delco" feet.

Notes A, B, C, D, E and F on page 25 apply to this page.

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24-Pole, Three Phase

208Y/416Y Volts (10 Leads)

**400
Hertz**

Specifications: 2000 RPM, 40°C Ambient, 0.8 Power Factor Lagging

Type (Shunt Non-PMG)	Base Model	Net Weight (lbs)	Standard Voltage Regulator	kW Rating 208/416 Volt		List Price
				80°C R/R	105°C R/R	
Lima SER*	360SSL1311	450	VR485	25	30	\$7,300
Lima SER*	360SSL1312	570	VR485	30	35	\$7,900
Lima SER*	360SSL1313	590	VR485	40	50	\$8,500
MAGNAPLUS*	430PSL1314	1200	VR485	60	70	\$10,600
MAGNAPLUS*	430PSL1315	1220	VR485	75	90	\$11,500
MAGNAPLUS*	430PSL1316	1240	VR485	100	120	\$12,900
MAGNAPLUS*	432PSL1821	1575	VR485	108	128	\$16,000

Single Phase PTO Products

240/120 Volts (4 Leads)

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Hertz**

Specifications: Class F Insulation, 1800 RPM Generator Speed, 540 or 1000 RPM PTO Speed, 40°C Ambient

Base Model	Phase	P.F.	Voltage Regulator	Prime kW	Surge kW	Prime Power Amps @ 240V	Length (in)	Weight (lbs)	List Price
339RDB2012	Single	1.0	SE350	50	140	208	40.30	540	\$6,275

Standard PTO Connection Box Receptacles and Accessories

One Single Phase 120 Volt, 15 Amp GFCI Duplex Receptacle
One Single Phase 240 Volt, 50 Amp Receptacle
One Single Phase 120/240 Volt, 3-Prong Main Power Output Receptacle and one 3-Prong Main Power Output Receptacle Plug
One Grounding Lug

NOTE: See Modification Section for PTO Generator optional accessories and connectors.
See Dimension Section, page 30 for splined shaft details.

Single Phase Capacitor Designs

Light Tower Application ①
240/120 Volts (4 Leads)

**60
Hertz**

Specifications: Class F Insulation, 1800 RPM, 40°C Ambient, 1.0 Power Factor

Base Model	kW 80°C R/R	kW 105°C R/R	Length (in)	Weight (lbs)	List Price
332CSA5203	5.4	6.0	8.25	110	\$1,260
332CSA5211	7.2	8.0	8.25	127	\$1,480

Single Phase Capacitor Designs

Light Tower Application ①
220/110 Volts (4 Leads)

**50
Hertz**

Specifications: Class F Insulation, 1500 RPM, 40°C Ambient, 1.0 Power Factor

Base Model	kW 80°C R/R	kW 105°C R/R	Length (in)	Weight (lbs)	List Price
332RSA1025	5.5	6.5	8.25	115	\$1,580

Note: ① Light Tower models have been specifically designed to have characteristics compatible with the needs of Metal Halide lamps.

Notes A, B, C, D, E and F on page 25 apply to this page.

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Hertz**

Dual Voltage Generators

Three Phase, 480Y Volts and 208Y Volts
Available Simultaneously – Dual Windings

Specifications: Class H Insulation, 1800 RPM, 40°C Ambient, 0.8 Power Factor Lagging

Type	Base Model	No. Leads	Voltages ①	Std. AVR	Continuous Kw Rating @ Designated NEMA Rise		List Price
					NEMA F 105°C R/R	NEMA H 125°C R/R	
Shunt (Non-PMG) Excitation	MAGNAPLUS®						
	361PSL1652	7	480Y & 208Y	SE350	50	55	\$4,100
	361PSL1651	7	480Y & 208Y	SE350	75	80	\$5,350
	431PSL7001	7	480Y & 208Y	SE350	125	135	\$7,250
	432PSL7000	7	480Y & 208Y	SE350	185	195	\$9,050
	433PSL7002	7	480Y & 208Y	SE350	225	240	\$10,700

PMG Excitation	MAGNAMAX^{DVR®}						
	572RSL7002	7	480Y & 208Y	DVR*2000	300	325	\$13,500
	572RSL7000	7	480Y & 208Y	DVR*2000	350	375	\$15,000
	572RSL7001	7	480Y & 208Y	DVR*2000	375	400	\$15,800

Notes: ① 120 volts single phase available line to neutral on 208Y volts winding.

4-Pole LIMA®MAC Inherently Regulated ①

**60
Hertz**

Specifications: Class F-Stator/H-Rotor Insulation, 1800 RPM, 40°C Ambient

Base Model		Net Weight (lbs)	① Standard Voltage Regulator	3 Phase 0.8 Power Factor Continuous Duty kW 80°C R/R	1 Phase 1.0 Power Factor Continuous Duty kW 105°C R/R ②	List Price
10 Leads	12 Leads②					
240Y/480Y	208Y/416Y or 120/240, 1Ø					
250MSL1237	250MSL1235	150	Not Required	5	5	\$1,750
250MSL1238	250MSL1236	165	Not Required	7.5	7.5	\$2,010
280MSL0054	280MSL0079	245	Not Required	10	10	\$2,160
280MSL0055	280MSL0080	260	Not Required	12	12	\$2,320
280MSL0056	280MSL0081	275	Not Required	15	15	\$2,630
360MSL0057	360MSL0082	560	Not Required	20	20	\$3,350
360MSL0058	360MSL0083	635	Not Required	25	25	\$3,760
360MSL0059	360MSL0084	685	Not Required	30	30	\$4,020
360MSL0060	360MSL0085	720	Not Required	40	40	\$4,330
440MSL0885	440MSL0860	1035	Not Required	50	50	\$5,300
440MSL0886	440MSL0861	1085	Not Required	60	60	\$5,670
440MSL0887	440MSL0862	1185	Not Required	75	75	\$6,850
440MSL0888	440MSL0863	1270	Not Required	100	100	\$7,930
580MSL0889		1710	Not Required	125		\$8,550
580MSL1166	Not Available	1770	Not Required	150	Not Available	\$9,320
580MSL0891	Available	2130	Not Required	175	Available	\$10,660
580MSL0892		2185	Not Required	200		\$12,100
680MSL0893	Not Available	2510	Not Required	250	Not Available	\$13,080
680MSL0894	Available	2660	Not Required	300	Available	\$14,010

4-Pole LIMA®MAC Dedicated Single Phase (4 Leads) 240/120 Volts

**60
Hertz**

Specifications: Class F-Stator/H-Rotor Insulation, 1800 RPM, 40°C Ambient, 0.9 Power Factor Lagging

Base Model	Number of Leads	Net Weight (lbs)	Standard Voltage Regulator	Continuous Duty kW 105°C R/R	List Price
250MSL1185	4	165	Not Required	5	\$1,700
250MSL1152	4	180	Not Required	7.5	\$1,960

4-Pole LIMA®MAC Reefer Generator Three Phase (10 Leads) ① 240Y/480Y Volts

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Hertz**

Specifications: Class F-Stator/H-Rotor Insulation, 1800 RPM, 40°C Ambient, 0.8 Power Factor Lagging

Base Model	Number of Leads	Overall Length	Net Weight (lbs)	Standard Voltage Regulator	Continuous Duty kW 105°C R/R	List Price
260MSL1361	10	17.0"	285	Not Required	15	\$2,730

Notes: ① LIMA®MAC generators are specifically designed for starting three phase AC electric motors. LIMA®MAC generators provide 1 hp/kW, Code G induction motor starting capability with 35% voltage dip (80°C rise rating). LIMA®MAC generators are self-excited and inherently-regulated, providing 4% voltage regulation without external voltage regulator or transformers. LIMA®MAC generators inherently provide 500% 3 phase short circuit support and volts/hertz operation.

② Only 12-lead units may be connected for single phase operation: 120 V Delta, 240/120 V Low Zigzag or 480 V High Zigzag.

Notes A through D on page 25 apply to this page.

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Hertz**

4-Pole, Three Phase American Bureau of Shipping (ABS) Certified Generators

208Y Volts (10-12 Leads)

240 Volt Delta (12 Leads Only)

450Y/260 Volts (4-10-12 Leads)

480Y/277 Volts (4-10-12 Leads)

Specifications: 1800 RPM, 50°C Ambient, 0.8 Power Factor Lagging, Drip-cover

- Space heaters standard on 431 and larger frame sizes.
- ABS Witness Tests including all Agency Fees.
- All generators include PMG excitation support

Type	Base Model	Net Weight (lbs)	Number of Leads	Std AVR	kW Rating @ 0.80 PF Lagging			List Price
					208Y - 240D Cont. 95°C R/R	450Y Cont. 95°C R/R	480Y Cont. 95°C R/R	
MAGNAPLUS®	361PSL1600	518	12	DVR*2000	37	40	41	\$6,450
	361PSL1601	569	12	DVR*2000	46	48	50	\$6,700
	361PSL1602	620	12	DVR*2000	55	58	60	\$7,150
	362PSL1604	706	12	DVR*2000	67	70	77	\$7,450
	362PSL1606	796	12	DVR*2000	82	83	83	\$8,050
	363PSL1607	943	12	DVR*2000	105	110	115	\$8,400
MAGNAMAX^{DVR®}	431RSL4005	1280	12	DVR*2000	127	135	139	\$9,700
	431RSL4007	1370	12	DVR*2000	142	150	157	\$10,000
	432RSL4009	1550	12	DVR*2000	179	192	193	\$10,400
	432RSL4011	1570	12	DVR*2000	198	208	211	\$10,750
	432RSL4013	1600	12	DVR*2000	209	220	222	\$10,950
	432RSL4015	1810	12	DVR*2000	252	264	255	\$11,500
	432RSL4017	1830	12	DVR*2000	262	265	255	\$12,450
	433RSL4019	2340	12	DVR*2000	310	320	335	\$13,500
	433RSL4021	2365	12	DVR*2000	330	345	365	\$14,100
	572RSL4024	2730	10	DVR*2000	Not Normally Used	430	430	\$14,400
	572RSL4027	2840	12	DVR*2000		440	475	\$15,000
	572RSL4028	3050	10	DVR*2000		505	505	\$16,200
	572RSL4030	3110	10	DVR*2000		500	515	\$16,700
	573RSL4032	3400	10	DVR*2000		645	645	\$19,300
	573RSL4034	3620	10	DVR*2000		650	670	\$20,800
	574RSL4036	4080	10	DVR*2000		690	700	\$22,000
	574RSL4038	4240	4	DVR*2000		720	750	\$23,000
	575RSL4044	5000	4 Bars	DVR*2000		825	870	\$25,600
	741RSL4045	5490	12	DVR*2000		880	940	\$26,500
	740RSL4046	5200	4 Bars	DVR*2000		925	970	\$29,800
	742RSL4048	6300	4 Bars	DVR*2000		1010	1040	\$32,200
	743RSL4050	7230	4 Bars	DVR*2000		1175	1220	\$34,900
	743RSL4052	7800	4 Bars	DVR*2000		1450	1500	\$40,200
	744RSL4054	8600	4 Bars	DVR*2000		1475	1520	\$43,200
	744RSL4058	9740	4 Bars	DVR*2000		1810	1880	\$48,200

- Notes: ① For ABS certification only. For certification by other Marine Classification Societies such as Lloyds, DNV, NKK, etc., contact Marathon for pricing. ABS witness testing may not be required for units rated below 100 kW.
- ② If space heaters are specified for frames 363 and smaller, see Modification Section for pricing.
- ③ Required information at time of order placement: Vessel Name/Hull Number, shipyard, nameplate ratings, and mounting arrangements.
- ④ RTD's are required on Mobil Offshore Drilling Units (MODU) for units rated 400 kW (500 kVA) and above. See Modification Section for pricing.
- ⑤ RTD's are required on all units rated 1000 Volts and above.

Notes A, B, C, D, E and F on page 25 apply to this page.

Marine Classification Society Requirements for Certification of Shipboard Generators

Subject	American Bureau Of Shipping (ABS)	Lloyd's Register Of Shipping	Germanischer Lloyd's	Korean Register Of Shipping	Nippon Kaiji Kyokai NKK	Det Norske Veritas
Minimum Rating Requiring Certification	100 kW	100 kW	50 kW	All Generators	All Generators	100 kW
Ambient Temperature	50° C	45° C	45° C	50° C	50° C	45° C
Temperature Rise	95° C	95° C	90° C	95° C	95° C	95° C
Embedded Temperature Detectors	Required for all units 1 kV and over	Required for propulsion systems only	Not Specified	Not Specified	Not Specified	Required for all units
Space Heaters	Required ①	Not Specified ②	Not Specified ②	Not Specified ②	Not Specified ②	Req. for all units
Sustain Short Circuit Current in Percent (%) Rated F.L. Current	300% for 2 Sec.	300% for 2 Sec.	300% for 2 Sec.	300% for 2 Sec.	Not Specified	300% for 1 Sec.
Drip Cover or Minimum Enclosure Required	IP22	IP22	IP22	IP22	IP22	IP23
Fixed Termination of Load Leads ③	Not Specified	Required	Not Specified	Not Specified	Not Specified	Required
Shunt Material Test ④	Not Specified	Required	Required	Required	Not Specified	Required

- Notes: ① Required for generators weighing 1000 pounds and over.
 ② Not required by Agency Rules, but strongly advised.
 ③ Generator load leads must be terminated on a fixed terminal such as a bus bar, link board or insulated stand-off.
 ④ Requires generator to be a build-up.

For generators requiring Certification by Agencies other than those listed in the above table, please consult factory.

General Notes

(Applicable to price on pages 2 through 24)

- A. All base models listed (except MAGNAPOWER™) are single bearing with two bearings available as a no-charge option. Pricing includes flexible drive discs, SAE adapter, standard voltage regulator, and full guarding. Drip covers are optional. All voltage regulators have underspeed protection, EMI filtering, and are encapsulated for moisture protection.
- B. MAGNAPLUS® and MAGNAMAX^{PMG} products have Class H insulation. LIMA® MAC and MAGNAPOWER™ products have Class H insulation on the rotor, and Class F insulation on the stator. Pancake products have Class F insulation except for Model 334RSA3010, which is Class H. Rating columns headed NEMA B, F, and H indicate that generators operated at the specified ratings will not exceed the temperature rise limitation for the specified Class of insulation specified in NEMA MG1-22.40. The rating columns do not specify the Class of insulation used in the generator's construction.
- C. The frame size for each model is the first 3 digits of the model number.
- D. All generator ratings listed in this publication are based upon temperature rises measured by the resistance method as defined by MIL-STD 705C and IEEE STD 115, Method 6.4.4. For ratings at rises as measured by embedded temperature detectors, consult Marathon.
- E. Pancake and MAGNAPLUS® products are shunt-excited (non-PMG) generators. The automatic voltage regulator derives input power from the generator's output leads.
- F. MAGNAMAX^{PMG} and MAGNAPOWER™ generators incorporate a Permanent Magnet Generator (PMG) as the input power source for the voltage regulator.

Modification Section: Generators

All prices shown are list prices

Modification	Description	List Price	*Build To Order
Adapters	Two bearing close-coupled adapters - 430 frame - 570 frame - 740 frame One bearing direct couple Lister TR2 & TS2 Engines - 250 & 280 MAGNAPLUS® fr. only Automotive adapters: GM 7.4/5.7 L	\$900 \$1,200 \$2,000 N/C \$250	* * * *
Air Filters	Washable filters and pressure switch - MAGNAMAX ^{DVR} Catalog ratings must be reduced by 5% for units equipped with filters	\$1,000	
Altitude / Ambient	See Altitude / Ambient Rating Adjustment Chart on Page 35.		
Bus Bar Kit	480-600 Volt (4 Bus Bars) - 430 frame - MAGNAMAX ^{DVR} models only 480-600 Volt (4 Bus Bars) - 570 frame 480-600 Volt (4 Bus Bars) - 740 frame 480-600 Volt (6 Bus Bars) - 740 frame 600-6600 Volt (4 Bus Bars) - 740 frame 600-6600 Volt (6 Bus Bars) - 740 frame	\$790 \$1,050 standard \$830 \$830 \$1260	*
Circuit Breakers Two Pole	Mounted and wired in generator connection box. Available with 280, 360 and 440 frame generators only. Not available with 330 frame Pancake units. ① ② Ampere 240 Volt 480 Volt 15 - 35 \$275 \$630 36 - 60 \$290 \$630 61 - 100 \$340 \$740 101 - 225 \$460 N/A 225 - 400 \$1,390 N/A	see description	
Circuit Breakers Three Pole	Mounted and wired in generator connection box. Available with 280 through 740 frames. Not available with 330 frame Pancake units. ① ② Ampere 240 Volt 480 Volt 600 Volt 15 - 35 \$320 \$560 \$935 36 - 60 \$360 \$560 \$935 61 - 100 \$385 \$620 \$935 101 - 225 \$750 N/A \$1,375 226 - 250 N/A N/A \$1,700 251 - 400 \$1,650 N/A \$2,150 401 - 600 N/A N/A \$2,750 601 - 800 N/A N/A \$3,300 801 - 1200 N/A N/A \$6,600 ③ 1201 - 2000 N/A N/A \$9,460 ③	see description	
Conduit Box (consult Marathon for optional boxes)	Conduit box with AVR mounted - Pancake 331 through 336 frames Oversized conduit box - 280 MAGNAPLUS® frames Low profile conduit box - 360 MAGNAPLUS® frames Support bar for circuit breaker extension box - 430 MAGNAPLUS® frames Oversized conduit box - 430 MAGNAPLUS® frames Circuit breaker extension box - 570 through 740 frame	N/C N/C N/C \$50 \$150 \$1,280	
Documentation	Two certified copies of production test records, outline and torsional drawings, connection diagrams; and service manual available upon request	N/C	
Dripcover	IP22 standards - All frames (excluding LIMA® MAC) IP23 standards - 360 MAGNAPLUS®, 430 frame (all) IP23 standards - 570 frame IP23 standards - 740 frame	\$70 \$240 \$280 \$330	
Export Packaging	250, 280, & 330 frames 360 frame 430 & 440 frames 570 & 580 frames 741 & 742 frames 743 & 744 frames	\$175 \$220 \$305 \$390 \$475 \$560	

- Notes: ① All designs are intended for bottom entry (right side facing conduit box). Top entry would require the use of customer-provided trough or gutter.
② The designs are for copper (only) customer conductors, with compression-installed lugs. Stacking type lugs may be required depending upon the number of customer conductors.
③ Available in 570 and 740 Frame sizes (MAGNAMAX^{DVR}) and includes box extension.

* Build-to-Order modifications require normal lead time, and cannot be performed on stock generators.

MAGNAMAX^{DVR} generators may have their base model number change when build-to-order modifications are made.



Modification Section: Generators

All prices shown are list prices

Modification	Description	List Price	*Build To Order
Foot Options	Capacitor excited, frames 331 and 332 - 2 hole steel foot plate Pancake generators frames 331 through 336 - 4 hole steel foot plate Consult factory for additional options	N/C N/C	
Hydraulic Drive	Frames 331 through 336. Standard SAE A, B, or C mounting flanges are available along with shaft options of 7/8" (13 tooth spline) or 1 1/4" (14 tooth spline)	\$850	*
Instrument Panel 4-Lead Single Phase Generators	Meter panel with voltmeter, ammeter and frequency meter and selector switch including current transformers. (MAGNAPLUS® frames 280, 360 and 430 only) Panel not suited for 120 V only applications.	\$770	
Instrument Panel Three Phase Generators	Meter panel with voltmeter, ammeter and frequency meter and selector switch including current transformers (not available on MAGNAMAX ^{DVR®})	\$770	
Pilot Shaft (for use with Cat® Engine)	Pilot diameters (3.148", 3.935", 4.723", and 5.116")	\$440	
PMG Excitation MAGNAPLUS® Units	Permanent Magnet Generator & PM300 Regulator 280 frame, models 1500 through 1505, 360 & 430 frames	\$350	
	Permanent Magnet Generator & DVR®2000 Regulator 280 frame, models 1500 through 1505, 360 & 430 frames	\$660	
PTO Generator Options	Extra plug connector - single phase	\$120	
Space Heaters 240/120 Volt	250 & 280 frame - LIMA® MAC (250: 125 watt; 280: 150 watt)	\$170	*
	280 & 360 frame - MAGNAPLUS® (280: 150 watt; 360: 250 watt)	\$200	
	360 & 440 frame - LIMA® MAC & 6 Pole SER® (360: 250 watt; 440: 350 watt)	\$220	
	430 & 570 frame - MAGNAMAX ^{DVR®} and MAGNAPLUS® (430: 250 watt; 570: 500 watt)	\$360	
	580 frame - LIMA® MAC only. (500 watt)	\$360	
	680 frame - LIMA® MAC only. (500 watt)	\$460	
	740 frame - MAGNAMAX ^{DVR®} (1000 watt)	\$630	
Special Insulation	Special insulation system consisting of multiple dips and bakes of 100% solids varnish with epoxy overcoat for harsh environmental applications. 250 & 280 frame	\$220	*
	360 frame	\$330	
	440 frame	\$880	
	Tropical /fungus insulation system consisting of epoxy overcoat and fungus proofing for moisture protection. 250 & 280 frame	\$200	
	360 & 440 frame	\$230	
	580 & 680 frame	\$370	
	Tropical insulation (epoxy overcoat) on MAGNAMAX ^{DVR®} and MAGNAPLUS®	standard	
	Vacuum pressure impregnation (480 & 600V Random Wound MAGNAMAX ^{DVR®}) 430 frame	\$1,200	
	570 frame	\$1,800	
	740 frame	\$2,900	
	Consult factory for other special insulation systems/requirements.		
Special Painting	Consult factory for available finishes	\$110	*
Special Windings	Special windings are available for Pancake, MAGNAPLUS®, and MAGNAMAX ^{DVR®} products. Consult factory for ratings and pricing.	consult factory	*
Temperature Detectors	Consult factory for possible RTD generator rating adjustment RTDs, (2 per phase) 100 ohm platinum standard, others optional.	\$1,100	*
	Thermocouples, Iron Constantine, Type J	\$500	
	Thermostats, specify N.O. or N.C.	\$500	
	Bearing RTD, 100 ohm platinum standard, others optional - MAGNAMAX ^{DVR®} only.	\$740	
Two Bearing	Standard product for all frame sizes Generator shaft coupling not included	N/C	

* Build-to-Order modifications require normal lead time, and cannot be performed on stock generators.

MAGNAMAX^{DVR®} generators may have their base model number change when build-to-order modifications are made.

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Modification Section: Voltage Regulators & Accessories

All prices shown are list prices

Modification	Description	List Price
Current Boost System	CBS 305 and power current transformer for APR 63-5	\$875
Dual Regulators	Two DVR*2000s with change-over switch (570 & 740 MAGNAMAX ^{DVR} only)	\$1,900
Isolation/Step Down Transformer	SE350 and APR 63-5 Regulators: 312 VA, 240 V secondary, 240/480/600 V primary	\$450
	250 VA, 240 V secondary, 120 V Primary (required for 120 V systems)	\$120
	APR 125-5, and SSR125 Regulators: 1000 VA, 120/240 V secondary, 208/240/416/480 V primary	\$575
	1000 VA, 120/240 V secondary, 600 V primary	\$575
	1000 VA, 120/240 V secondary, 2400/3300/4160 V primary	\$1,380
Manual Voltage Control Module	MVC 300 for APR 63-5, APR 125-5, and DVR*2000 regulators	\$850
	MVC 108 - Used with DVR*2000 when EMI suppression to MIL-STD 461C is required (furnished loose for mounting by others)	\$2,750
Paralleling C/Ts	DVR*2000, VR485-100 (600 V and Lower)	\$275
	DVR*2000 and VR485-100 (602 - 4999 V)	\$600
	DVR*2000 (5000 - 6600 V)	\$1,160
Paralleling Module (includes C/T)	APM 2000 for SE350, APR 63-5, and APR 125-5 regulators (three phase systems only)	\$495
Sensing Transformer	Medium voltage potential transformer used for regulator sensing only—will not support additional accessories. 15 VA up to 4160 V for DVR*2000 (Single Phase)	\$370
	Two 15 VA up to 4160 V for DVR*2000 (Three Phase)	\$740
	Consult factory for voltages greater than 4160 V.	
Voltage Adjust Rheostat	For SE350 regulators	\$80
	For all other regulators except DVR*2000	standard
Voltage Adjust Switch	For DVR*2000 only	\$20
Voltage Regulators List Price Adder (for substituting AVR for standard unit)	SE350 MAGNAPLUS® and Pancake	standard
	No regulator - MAGNAPLUS® and Pancake	deduct \$55 net
	VR63-4C - MAGNAPLUS® (120 Volt systems only)	\$110
	AVC63-4A - MAGNAPLUS®	\$60
	APR 63-5 - MAGNAPLUS®	\$170
	APR 125-5 - MAGNAPLUS®	\$430
	VR485-100-L - 400 Hertz only (built-in line drop compensation C/T required)	standard
	DVR*2000 - All MAGNAMAX ^{DVR}	standard
	No regulator - MAGNAMAX ^{DVR}	deduct \$110 net
	DVR*2000C - All MAGNAMAX ^{DVR} (with VAR/PF controller installed)	\$330
	PM100 - All MAGNAMAX ^{DVR}	\$470
	PM200 - All MAGNAMAX ^{DVR}	\$770
	SSR125-12 - All MAGNAMAX ^{DVR} (furnished loose for mounting by others)	\$2,750

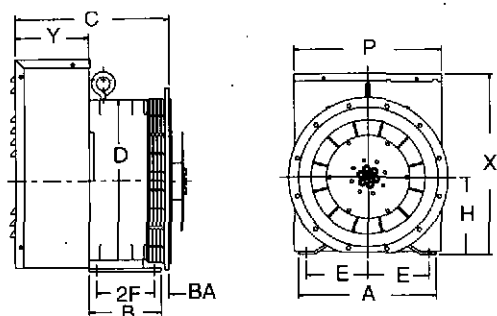
Modification Section: Testing

All prices shown are list prices

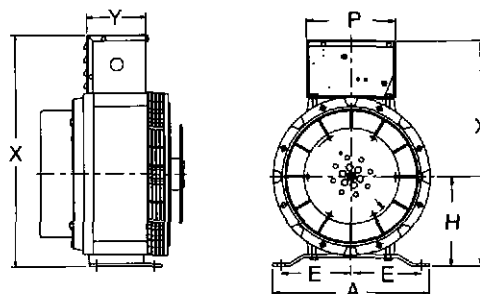
Modification	Description	List Price
1000 Frame	1000 frame medium voltage (to 6600 V) and high voltage (to 13800 V) modifications are order specific. Consult factory with your requirements.	
Special Testing	Basic setup charge	\$880
	MIL-STD-705B Method 410.1 Open Circuit Saturation Curve 411.1 Synchronous Impedance Curve - Short-Circuit Saturation Curve 412.1 Zero-Power Factor Saturation Curve - 1875 kVA maximum @ 480 volts 413.1 Rated Load Current Saturation Curve - 1875 kVA maximum @ 480 volts 415.0 Summation of Losses - units of 50 kW and larger 415.0 Summation of Losses - units of less than 50 kW 420.1 Short Circuit Ratio 421.1 Direct-Axis Synchronous Reactance (Xd) 422.1 Negative Sequence Reactance (X2) 423.1 Zero-Sequence Reactance (X0) 425.1 Direct-Axis Transient Reactance (X'd) 426.1 Direct-Axis Subtransient Reactance (X''d) 427.1 Direct-Axis Transient Short Circuit Time Constant (T'd) 430.1 Direct-Axis Transient Open Circuit Time Constant (T'do) 432.1 Short Circuit Time Constant of Armature Windings (T'a) 505.1 Overspeed 511.1 Voltage Regulator Range - 1875 kVA maximum @ 480 volts 601.1 Voltage Waveform (Oscillographic) - 1875 kVA maximum @ 480 volts 601.1 Voltage Waveform (Deviation Factor) - run in conjunction with 601.4 601.4 Voltage Waveform (Harmonic Analysis) - 1875 kVA maximum @ 480 volts 611.1 Inherent Voltage Droop (generator only) - 1250 kVA maximum 615.1 Inherent Voltage Regulation (generator only) - 1125 kVA maximum @ 480 volts 620.1 Voltage Unbalance with Unbalanced Load (Line-to-Neutral Load) 620.2 Voltage Unbalance with Unbalanced Load (Line-to-Line Load) 625.1 Short Circuit (Mech. Strength) - 3 phase only, 7000 amp maximum 680.1 Temperature Rise (generator only) - Heat Run: 5-100 kW 680.1 Temperature Rise (generator only) - Heat Run: 101-500 kW 680.1 Temperature Rise (generator only) - Heat Run: 501-1500 kW @ 480 volts	\$170 \$190 \$350 \$380 \$470 \$380 \$180 \$170 \$170 \$140 \$380 \$240 \$240 \$360 \$240 \$140 \$900 \$550 N/C \$330 \$500 \$500 \$220 \$220 \$520 \$620 \$760 \$1,110
Standard Testing	Winding resistance, 401.1a Insulation resistance of all windings, 301.1b High potential test on all windings, 302.1a Exciter check Regulator operation Exciter field current Voltage balance Overspeed (1 Min)	N/C N/C N/C N/C N/C N/C N/C N/C
Witness Testing	Additional daily charge for witnessing by customer or customer's agents	\$620

Dimensions in inches and (millimeters) Pancake and Capacitor

ALL DIMENSIONS ARE APPROXIMATE: Refer to Dimension Section of the Generator Catalog for full dimensional data



333-336 frames – R Models



331-332 frames – R Models
331-337 frames – C Models

R and C Pancake Model Ratings on page 8

Type	Frame Size	A	B	C	D	E	H	P	X	Y	BA	2F
Pancake R Models	331	14.0 (356)	6.25 (159)	10.5 (267)	14.0 (356)	6.25 (159)	7.95 (202)	8.0 (203)	20.0 (508)	5.2 (132)	1.17 (30)	5.0 (127)
	332	14.0 (356)	6.25 (159)	11.1 (282)	14.0 (356)	6.25 (159)	7.95 (202)	8.0 (203)	20.0 (508)	5.2 (132)	1.17 (30)	5.0 (127)
	333	14.0 (356)	6.25 (159)	13.4 (340)	14.0 (356)	6.25 (159)	7.88 (200)	15.0 (381)	18.5 (470)	6.4 (163)	1.28 (33)	5.0 (127)
	334	14.0 (356)	6.25 (159)	13.4 (340)	14.0 (356)	6.25 (159)	7.88 (200)	15.0 (381)	18.5 (470)	6.4 (163)	1.28 (33)	5.0 (127)
	335	14.0 (356)	6.25 (159)	19.5 (495)	14.0 (356)	6.25 (159)	8.64 (220)	15.0 (381)	18.5 (470)	5.1 (130)	6.57 (167)	5.0 (127)
	336	14.0 (356)	6.25 (159)	19.5 (495)	14.0 (356)	6.25 (159)	8.64 (220)	15.0 (381)	18.5 (470)	5.1 (130)	6.57 (167)	5.0 (127)

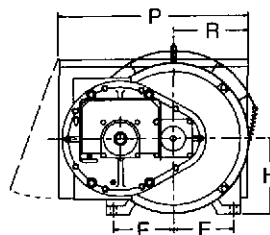
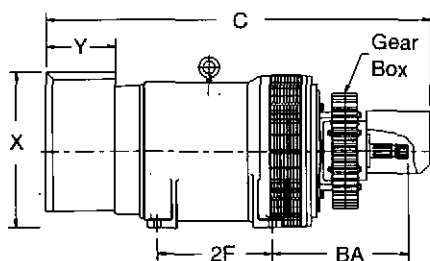
Type	Frame Size	A	B	C	D	E	H	P	X	Y	BA	2F
Pancake C Models	331	14.0 (356)	6.25 (159)	10.6 (269)	14.0 (356)	6.25 (159)	7.95 (202)	11.3 (287)	19.0 (483)	5.8 (147)	1.17 (30)	5.0 (127)
	332	14.0 (356)	6.25 (159)	11.6 (295)	14.0 (356)	6.25 (159)	7.95 (202)	11.3 (287)	19.0 (483)	5.8 (147)	1.17 (30)	5.0 (127)
	333	14.0 (356)	6.25 (159)	14.0 (356)	14.0 (356)	6.25 (159)	7.95 (202)	11.3 (287)	19.0 (483)	5.8 (147)	1.28 (33)	5.0 (127)
	334	14.0 (356)	6.25 (159)	14.4 (366)	14.0 (356)	6.25 (159)	7.95 (202)	11.3 (287)	19.0 (483)	5.8 (147)	1.28 (33)	5.0 (127)
	337	14.0 (356)	6.25 (159)	15.6 (396)	14.0 (356)	6.25 (159)	7.95 (202)	11.3 (287)	19.0 (483)	5.8 (147)	6.66 (169)	5.0 (127)

Capacitor Ratings on page 21

Capacitor	332	14.0 (356)	2.0 (51)	8.25 (210)	14.0 (356)	6.25 (159)	7.2 (183)	11.3 (287)	18.1 (460)	5.8 (147)	5.49 (140)	n/a
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Dimensions in inches and (millimeters) PTO

ALL DIMENSIONS ARE APPROXIMATE: Refer to Dimension Section of the Generator Catalog for full dimensional data



PTO Ratings on page 21

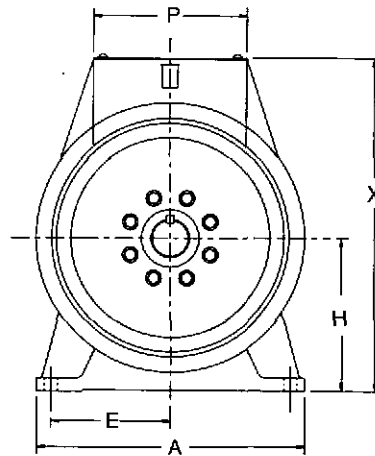
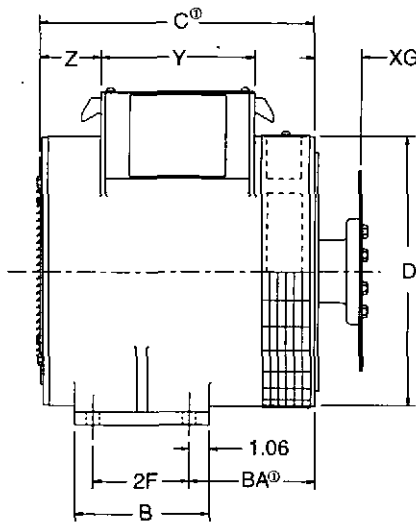
Type	Frame Size	C	E	H	P	R	X	Y	2F	BA
PTO	339	40.50 (1029)	6.25 (159)	8.00 (203)	19.75 (502)	7.75 (197)	16.38 (416)	7.25 (184)	12.00 (305)	14.25 (362)

Notes: 540 RPM (Splined Shaft 1.375" – 6B)
1000 RPM (Splined Shaft 1.375" – 21)

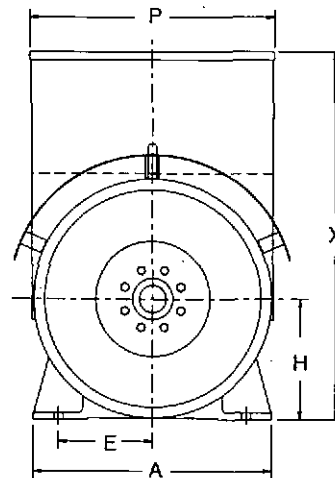
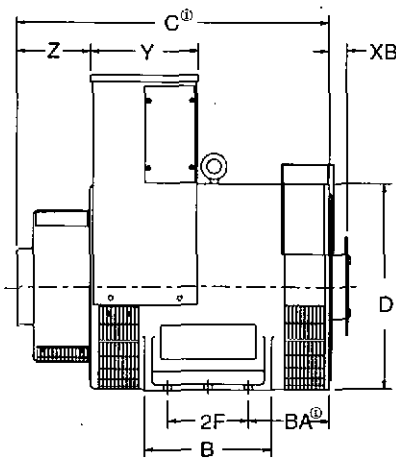
Dimensions in inches and (millimeters)

Lima SER® LIMA® MAC

ALL DIMENSIONS ARE APPROXIMATE: Refer to Dimension Section of the Generator Catalog for full dimensional data



250 Frame



280-680 Frame

280 LIMA® MAC has split side-mount connection box.

Type	Frame Size	A	B	BA ^①	C ^①	D	E	2F	H	P	X	Y	Z
Lima SER® LIMA® MAC	250	14.00 (356)	7.00 (178)	6.56 (167)	14.31 (363)	14.00 (356)	6.25 (159)	5.00 (127)	8.00 (203)	8.00 (203)	17.31 (440)	8.00 (203)	3.18 (81)
	280	14.00 (356)	7.00 (178)	6.56 (167)	20.88 (530)	13.00 (330)	6.25 (159)	5.00 (127)	8.00 (203)	18.38 (467)	25.06 (637)	9.37 (238)	3.94 (100)
	360 ^②	17.75 (451)	11.00 (279)	7.00 (178)	27.12 (689)	17.75 (451)	7.00 (178)	7.00 (178)	9.00 (229)	18.38 (467)	27.38 (695)	9.31 (236)	6.47 (164)
	361 ^②	17.75 (451)	11.00 (279)	7.00 (178)	27.12 (689)	17.75 (451)	7.00 (178)	7.00 (178)	9.00 (229)	18.38 (467)	27.38 (695)	9.31 (236)	6.47 (164)
	362 ^②	17.75 (451)	11.00 (279)	7.00 (178)	31.12 (793)	17.75 (451)	7.00 (178)	7.00 (178)	9.00 (229)	18.38 (467)	27.38 (695)	9.31 (236)	6.47 (164)
	440 ^②	21.25 (540)	14.00 (356)	6.63 (168)	31.50 (800)	21.75 (552)	9.00 (229)	11.00 (279)	11.00 (279)	22.25 (565)	32.21 (818)	12.31 (313)	6.34 (161)
	441 ^②	21.25 (540)	14.00 (356)	6.63 (168)	31.50 (800)	21.75 (552)	9.00 (229)	11.00 (279)	11.00 (279)	22.25 (565)	32.21 (818)	12.31 (313)	6.34 (161)
	580	25.75 (654)	14.00 (356)	10.00 (254)	36.62 (930)	25.75 (654)	11.50 (292)	11.00 (279)	14.50 (368)	26.13 (664)	37.12 (943)	18.31 (465)	6.34 (161)
	680	26.00 (660)	17.00 (432)	8.00 (203)	38.12 (968)	28.00 (711)	11.50 (356)	14.00 (356)	14.50 (368)	28.38 (721)	38.75 (984)	18.25 (464)	6.37 (162)

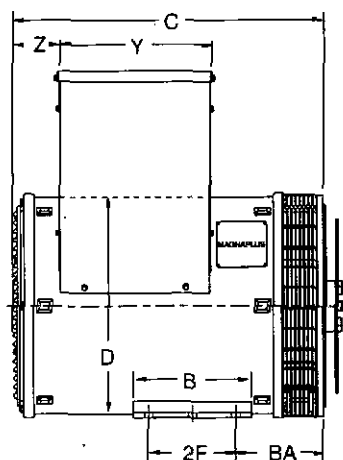
Notes: ^① This dimension will vary dependent upon adaption used.

^② Delco feet available on these Lima SER® designs.

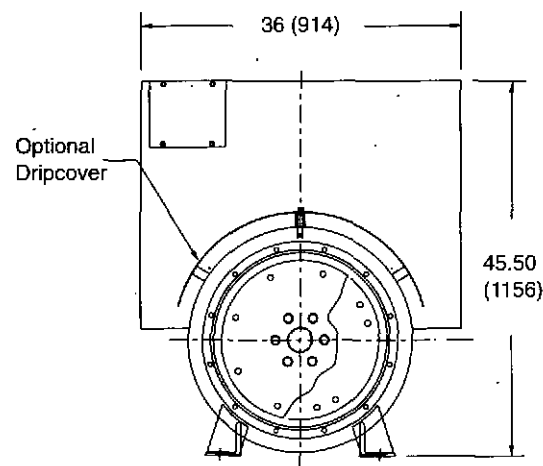
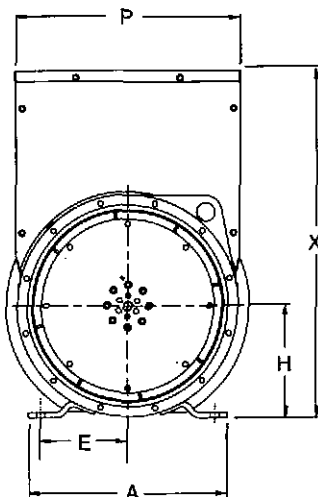
^③ Lima SER® not available in 580 & 680 Frame Sizes

Dimensions *in inches and (millimeters)* MAGNAPLUS®

ALL DIMENSIONS ARE APPROXIMATE: Refer to Dimension Section of the Generator catalog for full dimensional data.



280 ~ 430 frame



Optional Box (for 430 frame only)

Frame Size	A	B	BA	C ❶	D	E	2F	H	P	X	Y	Z
281	14.00 (356)	7.00 (178)	6.56 (167)	15.94 (405)	13.75 (349)	6.25 (159)	5.00 (127)	8.00 (203)	13.42 (341)	18.56 (471)	6.86 (174)	3.50 (89)
282	14.00 (356)	7.00 (178)	6.56 (167)	17.94 (456)	13.75 (349)	6.25 (159)	5.00 (127)	8.00 (203)	13.42 (341)	18.56 (471)	6.86 (174)	3.50 (89)
283	14.00 (356)	7.00 (178)	6.56 (167)	20.44 (519)	13.75 (349)	6.25 (159)	5.00 (127)	8.00 (203)	13.42 (341)	18.56 (471)	6.86 (174)	3.50 (89)
284	14.00 (356)	7.00 (178)	6.56 (167)	22.44 (570)	13.75 (349)	6.25 (159)	5.00 (127)	8.00 (203)	13.42 (341)	18.56 (471)	6.86 (174)	3.50 (89)
361	16.00 (406)	9.50 (241)	7.00 (178)	25.12 (638)	17.35 (441)	7.00 (178)	7.00 (178)	9.00 (229)	18.19 (462)	27.85 (707)	12.44 (316)	3.77 (96)
362	16.00 (406)	9.50 (241)	7.00 (178)	28.75 (730)	17.35 (441)	7.00 (178)	7.00 (178)	9.00 (229)	18.19 (462)	27.85 (707)	12.44 (316)	3.77 (96)
363	16.00 (406)	9.50 (241)	10.50 (267)	31.88 (810)	17.35 (441)	7.00 (178)	7.00 (178)	9.00 (229)	18.19 (462)	27.85 (707)	12.44 (316)	3.77 (96)
431	21.46 (545)	15.00 (381)	10.00 (254)	33.89 (861)	22.64 (575)	9.00 (229)	11.00 (279)	13.00 (330)	24.44 (621)	36.10 (917)	16.00 (406)	2.66 (68)
432	21.46 (545)	15.00 (381)	10.00 (254)	37.39 (950)	22.64 (575)	9.00 (229)	11.00 (279)	13.00 (330)	24.44 (621)	36.10 (917)	16.00 (406)	2.66 (68)
433	21.46 (545)	15.00 (381)	10.00 (254)	42.39 (1077)	22.64 (575)	9.00 (229)	11.00 (279)	13.00 (330)	24.44 (621)	36.10 (917)	16.00 (406)	2.66 (68)

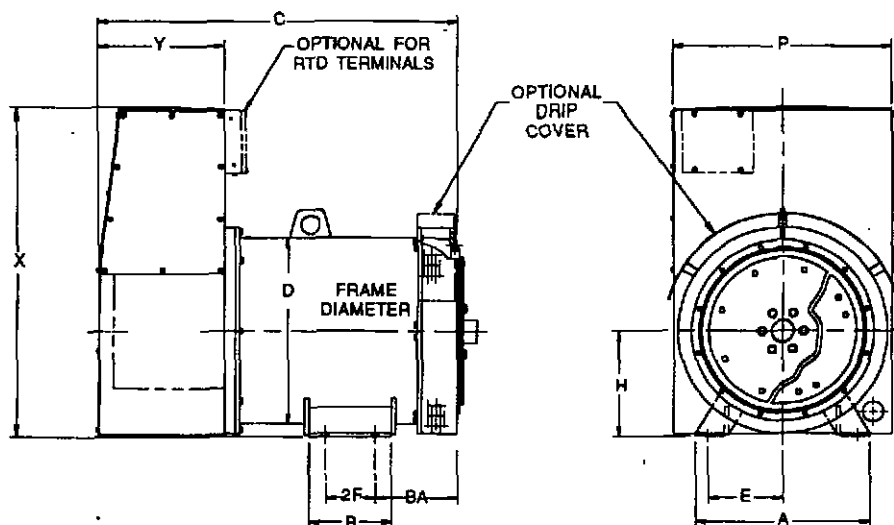
Note: Connection boxes shown are furnished as standard product. Consult factory for optional connection boxes.

❶ When bolt-on PMG kit is added, C dimension increases by 5.19" on 360 frame MAGNAPLUS® and 4.37" on 430 frame MAGNAPLUS®.

Dimensions in inches and (millimeters)

MAGNAMAX^{DVR}

ALL DIMENSIONS ARE APPROXIMATE: Refer to Dimension Section of the Generator Catalog for full dimensional data



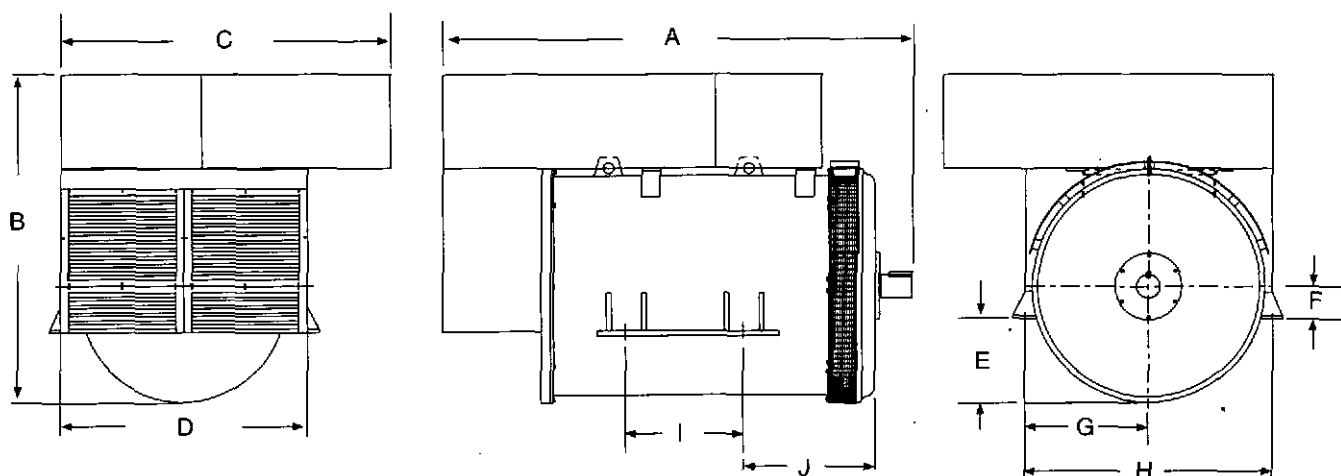
Frame Size	A	B	BA	C	D	E	2F	H	P	X	Y
431	21.00 (533)	10.00 (254)	10.00 (254)	38.40 (975)	22.64 (575)	9.00 (229)	6.00 (152)	13.00 (330)	26.51 (673)	39.77 (1010)	15.21 (386)
432	21.00 (533)	10.00 (254)	10.00 (254)	43.40 (1102)	22.64 (575)	9.00 (229)	6.00 (152)	13.00 (330)	26.51 (673)	39.77 (1010)	15.21 (386)
433	21.00 (533)	15.00 (381)	10.00 (254)	49.40 (1255)	22.64 (575)	9.00 (229)	11.00 (279)	13.00 (330)	26.51 (673)	39.77 (1010)	15.21 (386)
572	22.50 (572)	15.00 (381)	11.50 (292)	51.52 (1308)	27.64 (702)	10.00 (254)	11.00 (279)	15.50 (394)	30.77 (782)	42.64 (1083)	17.21 (437)
573	22.50 (572)	24.00 (610)	11.50 (292)	58.02 (1474)	27.64 (702)	10.00 (254)	20.00 (508)	15.50 (394)	30.77 (782)	42.64 (1083)	17.21 (437)
574	22.50 (572)	24.00 (610)	11.50 (292)	65.02 (1651)	27.64 (702)	10.00 (254)	20.00 (508)	15.50 (394)	30.77 (782)	42.64 (1083)	17.21 (437)
575	22.50 (572)	24.00 (610)	11.50 (292)	69.27 (1759)	27.64 (702)	10.00 (254)	20.00 (508)	15.50 (394)	30.77 (782)	42.64 (1083)	19.21 (488)
740	33.00 (838)	27.00 (686)	12.00 (305)	71.37 (1813)	27.64 (702)	15.00 (381)	23.00 (584)	19.00 (483)	30.77 (782)	51.45 (1307)	19.21 (488)
741	33.00 (838)	27.00 (686)	12.00 (305)	65.81 (1672)	34.24 (870)	15.00 (381)	23.00 (584)	19.00 (483)	38.02 (966)	51.45 (1307)	21.24 (539)
742	33.00 (838)	27.00 (686)	12.00 (305)	72.81 (1849)	34.24 (870)	15.00 (381)	23.00 (584)	19.00 (483)	38.02 (966)	51.45 (1307)	21.24 (539)
743	33.00 (838)	41.00 (1041)	12.00 (305)	79.31 (2014)	34.24 (870)	15.00 (381)	37.00 (940)	19.00 (483)	38.02 (966)	51.45 (1307)	21.24 (539)
744	33.00 (838)	41.00 (1041)	12.00 (305)	85.81 (2180)	34.24 (870)	15.00 (381)	37.00 (940)	19.00 (483)	38.02 (966)	51.45 (1307)	21.24 (539)

Note: Connection boxes shown are furnished as standard product. Consult factory for optional connection boxes.

Dimensions in inches and (millimeters)

MAGNAPOWER™

ALL DIMENSIONS ARE APPROXIMATE: Refer to Dimension Section of the Generator catalog for full dimensional data.

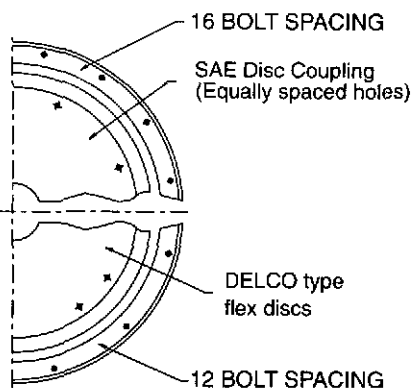
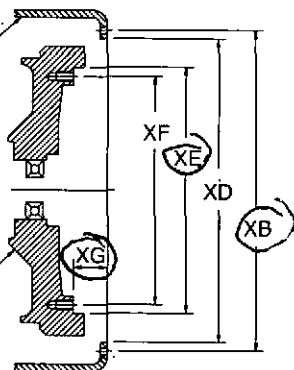


Frame Size	A	B	C	D	E	F	G	H	I	J
1020	100.32 (2548)	74.69 (1897)	70.51 (1791)	52.75 (1340)	13.00 (330)	12.25 (311)	28.75 (730)	57.50 (1460)	31.00 (787)	22.25 (565)
1030	107.32 (2726)	74.69 (1897)	70.51 (1791)	52.75 (1340)	13.00 (330)	12.25 (311)	28.75 (730)	57.50 (1460)	31.00 (787)	22.25 (565)

Note: Connection boxes shown are furnished as standard product. Consult factory for optional connection boxes.

Engine
Flywheel
Housing

Engine
Flywheel



Technical Data

Standard SAE Dimensions

In inches and (millimeters)

Engine Flywheel Housing Dimensions				
SAE No.	XD	XB	Tapped Holes	
			Qty.	Size
00	31.000 (787)	33.50 (851)	16	1/2-13
0	25.500 (678)	26.75 (679)	16	1/2-13
1/2	23.000 (584)	24.38 (619)	12	1/2-13
1	20.125 (511)	20.88 (530)	12	7/16-14
2	17.652 (448)	18.38 (467)	12	3/8-16
3	16.125 (410)	16.88 (429)	12	3/8-16
4	14.250 (362)	15.00 (381)	12	3/8-16
5	12.375 (314)	13.12 (333)	8	3/8-16
6	10.500 (267)	11.25 (283)	8	3/8-16

Engine Flywheel Dimensions					
Size	XE	XF	XG	Tapped Holes	
				Qty.	Size
SAE 21	26.500 (673)	25.25 (641)	0 (0)	12	5/8-11
SAE 18	22.500 (572)	21.38 (543)	.62 (16)	6	5/8-11
SAE 14	18.375 (467)	17.25 (438)	1.00 (25)	8	1/2-13
SAE 11-1/2	13.875 (352)	13.12 (333)	1.56 (40)	8	3/8-16
SAE 10	12.375 (314)	11.62 (295)	2.12 (54)	8	3/8-16
SAE 8	10.375 (264)	9.62 (244)	2.44 (62)	6	3/8-16
SAE 7-1/2	9.500 (241)	8.75 (222)	1.19 (30)	8	5/16-18
SAE 6-1/2	8.500 (210)	7.88 (200)	1.19 (30)	6	5/16-18
Delco 17.75	17.755 (451)	15.50 (394)	.72 (18)	8	5/8-11
Delco 15.50	15.500 (394)	13.88 (353)	.72 (18)	8	5/8-11
Delco 12.75	12.750 (324)	11.00 (279)	0 (0)	4	1/2-13

Technical Data

Mounting Arrangement Cross Reference

Adaptor Size	Coupling Size	Available in Frame Sizes											
		MAGNAPLUS® and MAGNAMAX ^{over}					Pancake Lima SER® and LIMA® MAC						
		280 PLUS	360 PLUS	430 PLUS/MAX	570 MAX	740 MAX	330	250	280	360	440	580	680
6	6.5						CF						
5	6.5	Std.					Std.	Std.	Std.				
5	7.5	Std.					Std.	Std.	Std.				
5	8	Std.					Std.	Std.	Std.				
5	Lister AI	Build-up					Build-up	Build-up	Build-up				
4	6.5	Std.					Std.	Std.	Std.	Std.			
4	7.5	Std.	Std.				Std.	Std.	Std.	Std.			
4	8	Std.	Std.				Std.	Std.	Std.	Std.			
4	10	Std.	Std.				Std.	Std.	Std.	Std.	Std.		
4	Lister TS	Build-up	N.A.				Build-up	Build-up	N.A.	N.A.	N.A.		
3	8	Std.	Std.				Std.		Std.	Std.	Std.		
3	10	Std.	Std.	Std.			Std.		Std.	Std.	Std.		
3	11.5	Std.	Std.	Std.					Std.	Std.	Std.		
3	DDC 12.75	Build-up	Build-up						Std.1	Std.1	CF		
2	10	Std. 1	Std.	Std.					Std.	Std.	Std.		
2	11.5	Std. 1	Std.	Std.					Std.	Std.	Std.		
2	DDC 15.50	CF	Build-up	Std.					Std.	Std.	Std.		
1	11.5		Std.	Std.						Std.	Std.		
1	14		Build-up	Std.	Std.					Std.	Std.	Std.	Std.
1	DDC 17.75		Build-up	Std.	Std.					Std.	Std.	Std.	Std.
1/2	DDC 17.75			Std.	Std.						Std.	Std.	Std.
1/2	14			Std.	Std.						Std.	Std.	Std.
1/2	18			Std.	Std.						Std.	Std.	Std.
0	DDC 17.75			Std.	Std.	Std.					Std.1	Std.	Std.
0	14			Std.	Std.						Std.1	Std.	Std.
0	18			Std.	Std.						Std.1	Std.	Std.
00	18				Std.	Std.							
00	21				Std.	Std.							

Notes: CF = Consult factory for price and availability.
 Std. = Standard adaption available at no additional cost.
 Std.1 = Adaption is available for standard units, but at extra cost. Consult factory for pricing.
 Build-up = Requires non-standard shaft. Consult factory for lead times.

Technical Data

Environmental and Special Considerations

Once the size of the generator has been determined, it is important to review the environmental and special conditions which may affect the life of the generator. Some of the most common conditions which may require special attention are outlined below.

ALTITUDE / AMBIENT - For applications over 3300 feet elevation or where the temperature of the ventilating air to the generator exceeds 40°C (104°F), derating of the generator will be necessary. To determine the derating, use the chart below by moving vertically on the specified altitude to the horizontal line that matches the required ambient temperature, then select the derating required.

ABRASIVE DUSTS - When it is possible that airborne abrasive dusts will be introduced to the generator with the ventilating air, additional protection is recommended. Dirt, sand, volcanic ash, gravel, rock dust, etc. are typical of this type of application. Although the generator windings are protected against abrasive environments, severe conditions may warrant protection by means of baffles, housings and filters, or other suitable means. Refer to Marathon Electric for recommendations.

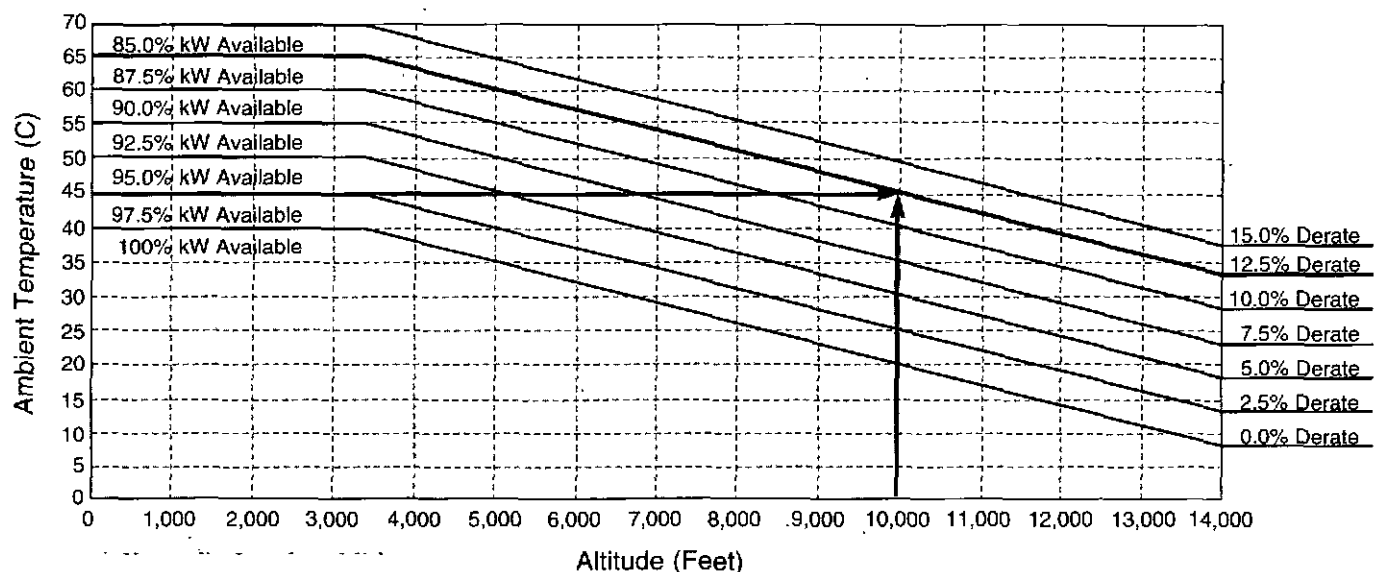
HIGH HUMIDITY AND TROPICAL CLIMATE - In moist or humid areas such as the Tropics, coastal areas, and all marine service, additional protection is recommended. Although the standard windings are humidity and moisture resistant, space heaters are required for these environments.

OUTDOOR APPLICATION - All generators for outdoor application must be protected from the elements by sheet metal housings with the proper openings for ventilation. This protection should be designed to prevent the direct contact of wind driven rain, snow, or dust with the generator. Space heaters are recommended depending on location and type of service. Refer to Marathon Electric for recommendations on enclosure requirements.

NON-LINEAR LOADING - Solid state electronic control devices which utilize thyristors or SCR firing circuits (such as variable frequency induction motor controls, precision motor speed controls, no-break powered battery chargers, etc.) can introduce high frequency harmonics which adversely affect the normal waveform of the generator. This creates additional heat in the generator stator and rotor and can cause overheating. These devices can and do present problems to non-utility power generating equipment or any limited power bus system. The problems which can occur are not limited to the generator itself, but can affect the solid state control device, the equipment it controls, other associated loads, monitoring devices or a number of combinations over the entire system.

It is important that the control manufacturer, the generator manufacturer, and the systems engineer work together to insure the proper selection of all components. Please refer to Marathon for application assistance.

ALTITUDE/AMBIENT RATING ADJUSTMENT



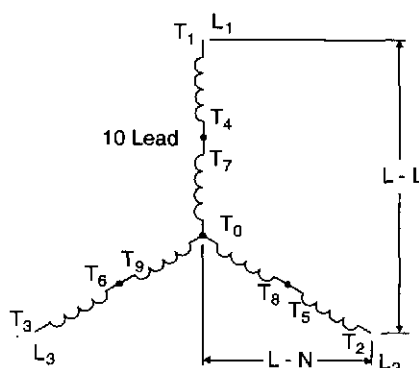
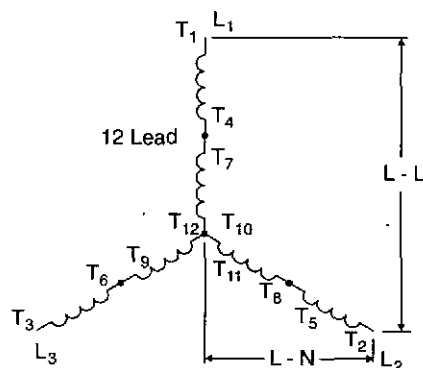
Example:

Elevation: 10,000 feet
Ambient: 45°C
Required Derate: 12.5%
Catalog Rating x .875

Technical Data

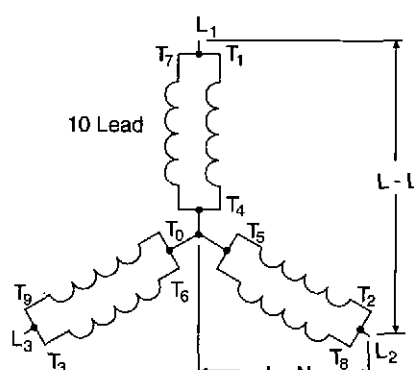
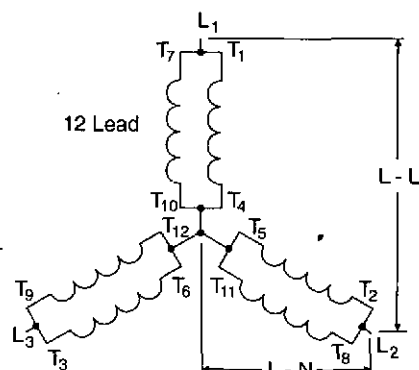
Connection Diagrams

HIGH WYE



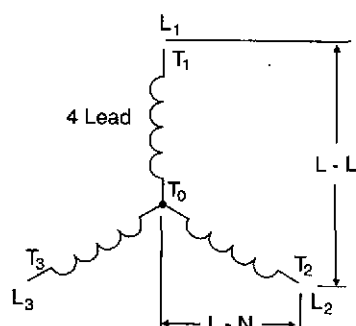
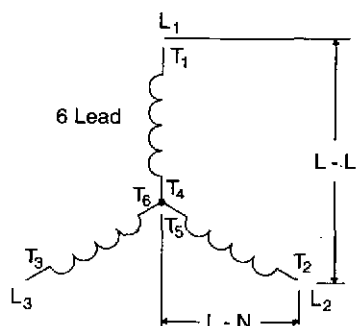
Voltage		
HZ	L-L	L-N
60	380	219
	416	240
	440	254
	460	266
	480	277
50	380	219
	400	231
	415	240

LOW WYE



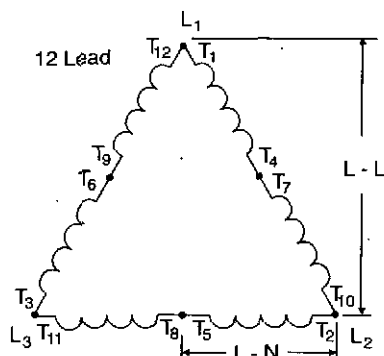
Voltage		
HZ	L-L	L-N
60	190	110
	208	120
	220	127
	230	133
	240	139
50	190	110
	200	115
	208	120

WYE



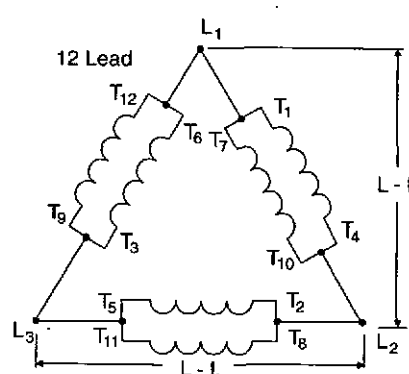
Voltage		
HZ	L-L	L-N
60	380	219
	480	277
	600	346
	2400	1386
	3300	1905
	4160	2402
	6600	3811
	13800	7967
50	380	219
	400	231
	415	240
	3300	1905
	6600	3811
	11000	6351

HIGH DELTA



Voltage		
HZ	L-L	L-N
60	240	120
	277	139
	200	100
50	220	110
	240	120

LOW DELTA



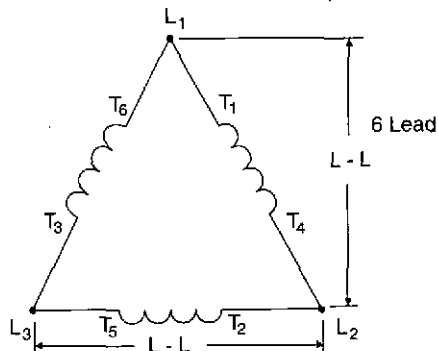
Voltage	
HZ	L-L
60	110
	120
50	100
	110

Technical Data

Connection Diagrams

DELTA

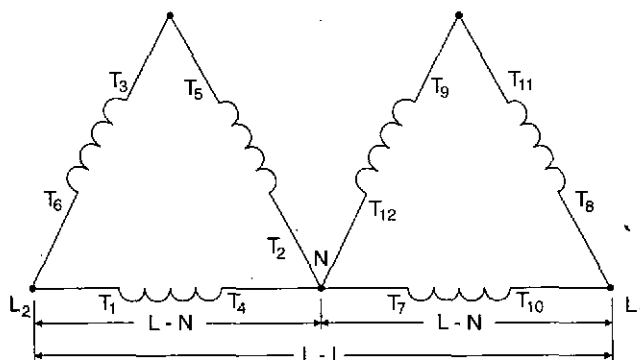
Voltage	
HZ	L-L
60	2402 7967
50	1905 6351



DOUBLE DELTA

★ Single Phase Connection

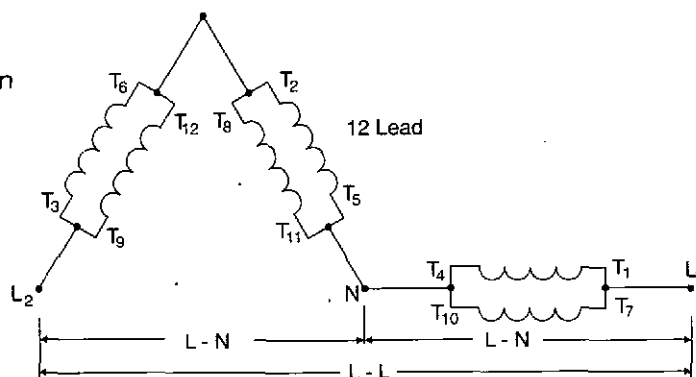
Voltage		
HZ	L-L	L-N
60	200 220 240	100 110 120
50	220	110



LOW ZIGZAG

★ Single Phase Connection

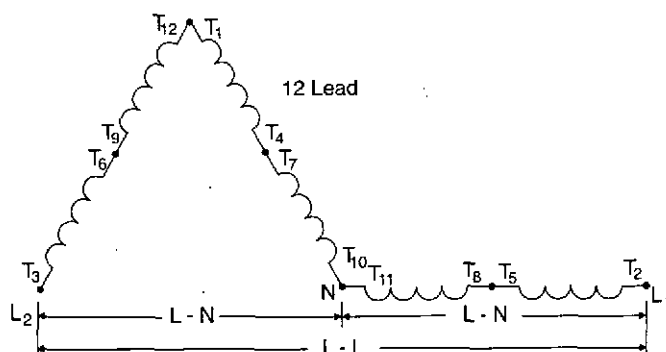
Voltage		
HZ	L-L	L-N
60	200 220 240	100 110 120
50	220	110



HIGH ZIGZAG

★ Single Phase Connection

Voltage		
HZ	L-L	L-N
60	480	240



★ Note: Single phase kW/kVA ratings are approximately equal to 50% of the generator's three phase ratings

Technical Data

Automatic Voltage Regulator Features

Feature	STANDARD MODELS				SPECIAL (OPTIONAL) MODELS							
	SE350	DVR* 2000	VR485 100-L	DVR* 2000C	PM100	PM200	PM300	AVC* 63-4A	VR 63-4C	APR 63-5	APR 125-5	SSR* 125-12
Voltage Regulation no load to full load	1.0%	.25%	1.0%	.25%	.50%	.50%	1.0%	1.0%	1.0%	.25%	.25%	1.0%
Underspeed Protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Overexcitation Protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
EMI/RFI Filtering ^②	Com. ^②	MIL461C Part 9	None	MIL461C Part 9	MIL461C Part 9	MIL461C Part 9	Com. ^②	Com. ^②	Com. ^②	Com. ^②	Com. ^②	Com. ^②
Unit Mounted Voltage Adjust	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.	Std.
Overvoltage Protection	No	Std.	No	Std.	Std.	Std.	No	No	No	Opt.	Opt.	Opt.
Encapsulated	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Paralleling ^④	Opt. ^④	Std.	No	Std.	Std.	Std.	Opt. ^④	No	No	Opt. ^④	Opt. ^④	Opt. ^④
Line Drop Comp.	No	No	Yes	No	No	No	No	No	No	No	No	No
VAR/PF Controller	No	No	No	Yes	Opt. ^⑤	Opt. ^⑤	No	No	No	No	No	Opt. ^⑤
Input Power	240 VAC	PMG	320 VAC ^⑥	PMG	PMG	PMG	PMG	120 VAC	120 VAC	240 VAC	240 VAC	240 VAC
Cont. Output Amps. DC	3.5	3.0	2.5	3.0	3.0	3.0	3.0	4.0	4.0	5.0	5.0	12.0
Cont. Output Volts DC	63	75	63	75	75	75	63	63	63	63	125	125
Sensing Input Volts AC	190-240	95-600	190-277	95-600	95-600	95-600	190-240	95-139 190-277	95-139	190-277 380-480	190-277 380-480	95-600
Sensed Voltage	Average	RMS	Average	RMS	RMS	RMS	Average	Average	Average	Average	Average	Average
Sensing Frequency	50/75 Hz	50/60 Hz	400 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50-400 Hz
Generator Current Limiting Protection	No	No	No	No	No	Yes	No	No	No	No	No	No
AVR Condition LEDs	No	Yes	No	Yes	Yes	Yes	No	No	No	No	No	No
3 Phase Sensing	No	Yes	No	Yes	Yes	Yes	No	No	No	No	No	Yes
1 Phase Sensing	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Loss of Sensing Protection	Yes ^⑦	Yes	No	Yes	Yes	Yes	No	No	Yes ^⑦	No	No	No

Notes: ① With regulator mounted in generator conduit box.

② Commercial limits.

③ Requires the addition of a paralleling current transformer.

④ Requires the addition of a paralleling module along with a paralleling current transformer.

⑤ Requires the addition of a VAR/PF Module.

⑥ Special 400 Hz transformer required for voltage input.

⑦ Protection is inherent. Sensing and power input share the same two leads.

A loss of sensing (open in the sensing circuit) results in an open in the input power circuit, and the regulator will shut down.

MARATHON ELECTRIC MANUFACTURING CORPORATION

TERMS AND CONDITIONS OF SALE

ALL QUOTATIONS ARE MADE AND ALL ORDERS ARE ACCEPTED BY MARATHON ELECTRIC MANUFACTURING CORPORATION SUBJECT ONLY TO THESE TERMS AND CONDITIONS.

1. MODIFICATIONS OF SALES TERMS

Any Terms and Conditions contained in any purchase order or other form of communication from Marathon's customers which are additional to or different from these Terms and Conditions shall be deemed rejected by Marathon unless expressly accepted in writing by Marathon. In general, no modification, amendment, waiver or other change of any of these Terms and Conditions and those contained on the reverse side hereof and/or in attachments hereto ("Terms and Conditions"), or of any of Marathon's rights or remedies thereunder, shall be binding on Marathon unless expressly accepted in writing by Marathon's authorized officers. No course of dealing, usage of trade or course of performance shall be relevant to explain or supplement any of these Terms and Conditions. In case of conflict between the Terms and Conditions printed on this page and those contained on the face side or in attachments hereto, the latter shall control. If any document issued by any party hereto is sent by facsimile or another form of electronic document transmission, the parties hereto agree that (a) the copy of any such document printed on the facsimile machine or printer of the recipient thereof is a counterpart original copy thereof and is a "writing", (b) delivery of any such document to the recipient thereof by facsimile or such other form of electronic document transmission is authorized by the recipient thereof and is legally sufficient for all purposes as if delivered by United States mail, (c) the typewritten name of an authorized agent of the party sending such document on any such document is sufficient as a signature thereon and behalf of such party and the intent of such signature is to authenticate the writing, and (d) an electronically stored and reproduced copy of any such document shall be deemed to be legally sufficient evidence of the terms of such document for all purposes.

2. ACCEPTANCE OF ORDERS

Acceptance by Marathon of Buyer's purchase order(s) is expressly conditioned upon Buyer's assent to these Terms and Conditions. Buyer will be deemed to have assented to such Terms and Conditions unless Marathon receives written notice of any objections within fifteen (15) days after Buyer's receipt of this form and in all events prior to any delivery or other performance by Marathon of Buyer's order.

3. QUOTATIONS

Quotations by Marathon shall be deemed to be offers by Marathon to sell the equipment described therein subject to these Terms and Conditions, and acceptance of such offers is expressly limited to acceptance by Buyer of all of these Terms and Conditions within thirty (30) days from the date of the quotation. Purchase orders submitted by Buyer for the equipment quoted by Marathon shall be subject to and will be deemed to constitute acceptance of these Terms and Conditions. All purchase orders will be subject to approval by Marathon.

4. PRICES; PRICE CHANGES

All prices are net F.O.B. shipping point and are subject to change without notice. In the event of a change in Marathon's prices, the price for equipment unshipped will be the price in effect on the date of shipment.

If Marathon's quoted price was based upon delivery to and acceptance by Buyer of a specified quantity of equipment, such price shall be subject to adjustment if Buyer does not accept the quantity at the times specified in Marathon's quotation, and Buyer will be invoiced at Marathon's standard price without quantity discounts, if any, for the quantity of equipment actually accepted by Buyer.

5. TAXES

In addition to any prices, Buyer shall pay the amount of any present or future manufacturer's tax, retailer's occupation tax, use tax, sales tax, excise tax, duty, custom, inspection or testing fee, or any other tax, fee or charge of any nature whatsoever imposed by any governmental authority, on or measured by the transaction between Marathon and Buyer. In the event Marathon is required to pay any such tax, fee or charge, Buyer shall reimburse Marathon therefor; or, in lieu of such payment, Buyer shall provide Marathon at the time the order is submitted with an exemption certificate or other document acceptable to the authority imposing such tax, fee or charge.

6. TERMS OF PAYMENT

All orders are subject to the approval of Marathon. Terms of payment are cash in full no later than thirty (30) days from date of shipment, without discount. If, during the period of performance of an order, the financial condition of buyer is determined by Marathon not to justify the terms of payment specified, Marathon may demand full or partial payment in advance before proceeding with the work, or satisfactory security or guarantees that invoices will be promptly paid when due, or, at its option without prejudice to other lawful remedies, may defer delivery or cancel this contract. If delivery is deferred, the equipment may be stored as provided in Section 9 hereof and Marathon may submit a new estimate of cost for completion based on prevailing conditions. If Buyer defaults in any payment when due, or in the event any voluntary or involuntary bankruptcy or insolvency proceedings involving Buyer are initiated by or against Buyer, then the whole contract price shall immediately become due and payable upon demand, or Marathon, at its option without prejudice to its other lawful remedies, may defer delivery or cancel this contract.

Prorata payments shall become due as shipments are made. If shipments are delayed by the Buyer for any cause, payments shall become due from the date on which Marathon is prepared to make shipment and storage shall be the Buyer's risk and expense as provided in Section 9 hereof. If manufacture is delayed by the Buyer for any cause, a partial payment based upon the proportion of the order completed shall become due from the date on which Marathon is notified of the delay.

7. DELIVERY; RISK OF LOSS

All sales are F.O.B. Marathon's plant or other point of shipment designated by Marathon. Shipping dates are estimates only which are not guaranteed and are based upon prompt receipt from Buyer of all necessary shipping and other information. Marathon reserves the right to make delivery in installments, all installments to be separately invoiced and paid for by Buyer when due per invoice, without regard to subsequent deliveries.

Delivery of equipment to a commercial carrier at Marathon's plant or other loading point shall constitute delivery to Buyer, and any risk of loss and further cost and responsibility thereafter for claims, delivery, loss or damage, including, if applicable, placement and storage, shall be borne by Buyer. When equipment is delivered by Marathon's truck, unloading at Buyer's dock shall constitute delivery to Buyer. Claims for shortages or other errors in delivery must be made in writing to Marathon within ten (10) days after receipt of shipment and failure to give such notice shall constitute unqualified acceptance and a waiver of all such claims by Buyer. Claims for loss or damage to equipment in transit by common carrier must be made to the carrier and not to Marathon.

Freight and handling charges by Marathon may not reflect actual freight charges prepaid to the carrier by Marathon due to incentive discounts earned by Marathon based upon Marathon's aggregate volume of freight tendered to a carrier or when a carrier must be used which charges a rate which is different than the rate upon which

Marathon's freight and handling charges were based. When shipments are delivered in Marathon's private trucks, Buyer will be charged an amount approximating the prevailing common carrier rate.

8. EXCUSABLE DELAYS; FORCE MAJEURE

Marathon shall not be liable for any ordinary, incidental, or consequential loss or damage as a result of Marathon's delay in or failure of delivery or installation due to (i) any cause beyond Marathon's reasonable control, (ii) an act of God, act of the Buyer, embargo or other government act, authority, regulation or request, fire, theft, accident, strike, slowdown or other labor disturbance, war, riot, delay in transportation, or (iii) inability to obtain necessary labor, materials, components, or facilities.

Should any of the aforementioned events of force majeure occur, Marathon, at its option, may cancel Buyer's order with respect to any undelivered equipment or extend the delivery date for a period equal to the time lost because of delay. Notice of such election shall be given promptly to Buyer. In the event Marathon elects to so cancel the order, Marathon shall be released of and from all liability for failure to deliver the equipment, including, but not limited to, any and all claims on behalf of Buyer for lost profits, or any other claim of any nature which Buyer might have.

If shipping or progress of the work is delayed or interrupted by Buyer, directly or indirectly, Buyer shall pay Marathon for all additional charges resulting therefrom.

9. STORAGE

If the equipment is not shipped within thirty (30) days after notification has been made to Buyer that it is ready for shipping, for any reason beyond Marathon's control, including Buyer's failure to give shipping instructions, Marathon may store the equipment at Buyer's risk and expense in a warehouse or on Marathon's premises, and Buyer shall pay all handling, transportation and storage costs at the prevailing commercial rates promptly following Marathon's submission of invoices for such costs.

10. WARRANTIES TO DISTRIBUTORS AND INDUSTRIAL OR COMMERCIAL CUSTOMERS

This warranty is extended only to Marathon's distributors and industrial or commercial customers and does not apply to consumer purchasers. This warranty applies to all generator and related parts sales.

Warranty Period - (a) Marathon warrants Standby Generators manufactured by or for it to be free from defects in materials and workmanship and to conform to Marathon's written specifications for a period of 24 months from date of startup, 30 months from date of shipment, or 1000 hours in use, whichever period shall expire first. (b) Marathon warrants the Continuous Duty Generators manufactured by or for it to be free from defects in materials and workmanship and to conform to Marathon's written specifications for a period of 12 months from date of startup or 18 months from date of shipment, whichever period shall expire first.

Warranty Remedies - If, prior to expiration of the foregoing applicable warranty period, any of such products shall be proved to Marathon's satisfaction to be defective or nonconforming, Marathon will repair or replace such defective equipment or components thereof, F.O.B. Marathon's plant or other destination designated by Marathon, or will refund or provide Buyer with a credit in the amount of the purchase price paid therefor by Buyer, at Marathon's sole option. Buyer's exclusive remedy and Marathon's sole obligation under this warranty shall be limited to such repair or replacement, F.O.B. Marathon's plant or other destination designated by Marathon, or refund or credit by Marathon, and shall be conditioned upon Marathon's receiving written notice of any defect within a reasonable period of time (but in no event more than sixty (60) days) after it was discovered or by reasonable care should have been discovered. In no event shall Marathon's liability for such defective or nonconforming products exceed the purchase price paid by Buyer therefor.

Exclusions - This warranty does not (i) cover shipping expenses to and from Marathon's factory or other destination designated by Marathon for repair or replacement of defective equipment or any tax, duty, custom, inspection or testing fee, or any other charge of any nature related thereto, nor does it cover the costs of disassembling or removing defective equipment or reassembling, reinstalling, or testing repaired or replaced equipment or finishing the reinstallation thereof, (ii) apply and shall be void with respect to equipment operated in excess of rated capacity or otherwise not in accordance with installation, maintenance, or operating instructions or requirements, to equipment repaired or altered by others than Marathon or Marathon's authorized service agencies, or to equipment which was subjected to abuse, negligence, misuse, misapplication, accident, damages by circumstances beyond Marathon's control, to improper installation (if by others than Marathon), operation, maintenance or storage, or to other than normal use or service, and (iii) apply to equipment or components not manufactured by or for Marathon. With respect to equipment or components not manufactured by Marathon, Marathon's warranty obligations shall in all respects conform and be limited to the warranty actually extended to Marathon by its suppliers, but in no event shall Marathon's obligations be greater than those provided under Marathon's warranty set forth in this Section 10.

THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES (EXCEPT TITLE), INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. NO EMPLOYEE, REPRESENTATIVE, OR AGENT OF MARATHON OTHER THAN AN OFFICER OF MARATHON IS AUTHORIZED TO ALTER OR MODIFY ANY PROVISION OF THIS SECTION 10 OR TO MAKE ANY GUARANTEE, WARRANTY, OR REPRESENTATION, EXPRESS OR IMPLIED, ORALLY OR IN WRITING, WHICH IS CONTRARY TO THE FOREGOING. Any description of the equipment, whether in writing or made orally by Marathon or Marathon's agents, specifications, samples, models, bulletins, drawings, diagrams, engineering sheets or similar materials used in connection with Buyer's order are for the sole purpose of identifying the equipment and shall not be construed as an express warranty. Any suggestions by Marathon or Marathon's agents regarding use, application or suitability of the equipment shall not be construed as an express warranty unless confirmed to be such in writing by Marathon's authorized officer.

11. LIMITATIONS OF LIABILITY; CONSEQUENTIAL DAMAGES

Nuclear Use Disclaimer - Equipment sold by Marathon is not intended for use in connection with any nuclear facility or activity. If so used, Marathon disclaims all liability for any nuclear damage, injury or contamination, and Buyer shall indemnify and hold Marathon, its officers, agents, employees, successors, assigns and customers harmless from and against any and all losses, damages or expenses of whatever form or nature (including attorneys' fees and other costs of defending any action) which they or any of them may sustain or incur, whether as a result of breach of contract, warranty, tort (including negligence) or otherwise, by reason of such use.

Consequential Damage Disclaimer - Marathon's liability with respect to equipment proved to its satisfaction to be defective within the warranty period shall be limited to repair, replacement or refund as provided in Section 10 hereof, and in no event shall Marathon's liability exceed the purchase price of the equipment involved. Marathon shall not be subject to any other obligations or liabilities, whether arising out of breach of contract, warranty, tort (including negligence) or other theories of law, with respect to equipment sold or services rendered by Marathon, or any undertakings, acts or omissions relating thereto. Without limiting the generality of the foregoing, Marathon specifically disclaims any liability for property or personal injury damages, penalties, special or punitive damages, damages for lost profits or revenues, loss of use of equipment or any associated equipment, cost of capital, cost of substitute products, facilities or services, downtime, shutdown, or slowdown costs, or for any other types of economic loss, and for claims of Buyer's customers for any such damages.

MARATHON SHALL NOT BE LIABLE FOR AND DISCLAIMS ALL CONSEQUENTIAL, INCIDENTAL AND CONTINGENT DAMAGES WHATSOEVER.

12. INDEMNIFICATION BY BUYER

Buyer shall indemnify, hold harmless, and defend Marathon and Marathon's employees and agents from and against any and all damages, liability, claims, losses, and expenses (including reasonable attorneys' fees, court costs, and out-of-pocket expenses) arising out of or resulting in any way from claims by customers of Buyer or third parties against Marathon alleging a breach of contract or warranty by Marathon to the extent that such damages, liability, claims, losses, and expenses which may be payable by Marathon to Buyer pursuant to and as limited by Marathon's warranty and damage obligations as contained in Sections 10 and 11 hereof so as to effectively limit Marathon's obligations to customers of Buyer or third parties to those set forth in Sections 10 and 11 hereof.

13. PATENT INDEMNIFICATION

Marathon will, at its own expense, defend or settle any suits that may be instituted against Buyer for alleged infringement by the equipment of any United States patent, provided that (a) such alleged infringements consist of the use of the equipment for any of the purposes for which such equipment was sold, (b) Buyer shall have made all payments for such equipment then due hereunder, (c) Buyer shall give Marathon immediate notice in writing of any such suit and transmit to Marathon immediately upon receipt all processes and papers served upon Buyer, and (d) Buyer shall permit Marathon through its counsel, either in the name of Buyer or in the name of Marathon, to defend such suit(s) and give all needed information, assistance and authority to enable Marathon to do so.

In case of a final award of damages in any such suit, Marathon will pay such award but will not be responsible for any compromise or settlement made without its written consent. In case the equipment itself is in such suit held to infringe any valid patent issued in the United States and its use enjoined, or in the event of a settlement or compromise approved by Marathon which shall preclude future use of the equipment sold to Buyer hereunder, Marathon shall, at its own expense and at its sole option, either (a) procure rights to continue using such equipment, (b) modify the equipment to render it non-infringing, (c) replace the equipment with non-infringing equipment or (d) refund the purchase price paid by Buyer for the equipment after return of the equipment to Marathon. Notwithstanding the foregoing, Marathon shall not be held responsible for infringements of combination or process patents covering the use of equipment in combination with other goods or materials not furnished by Marathon.

The foregoing states the entire liability of Marathon for patent infringement, and **IN NO EVENT SHALL MARATHON BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES ATTRIBUTABLE TO AN INFRINGEMENT** nor for infringement based on the use of the equipment for a purpose other than that for which sold by Marathon. As to any equipment furnished by Marathon to Buyer manufactured in accordance with designs proposed or furnished by Buyer or any claim of contributory infringement resulting from the use or resale by Buyer of equipment sold hereunder, Buyer shall indemnify Marathon for any award made against Marathon or settlement by Marathon for any patent, trademark or copyright infringements, including attorneys' fees and defense costs.

14. SECURITY AGREEMENT AND FINANCING STATEMENTS

To secure payment of the purchase price and of all monies which may be due hereunder, and performance of all of Buyer's obligations hereunder, Buyer hereby grants to Marathon a security interest in all equipment sold by Marathon, and agrees to execute such other Security Agreements and Financing Statements as Marathon may reasonably request.

15. INSURANCE

Until payment in full of the purchase price, Buyer shall maintain insurance covering all equipment sold by Marathon to Buyer in such

amounts and against such risks as is customary by companies engaged in the same or similar business and similarly located, and shall, upon Marathon's request, furnish evidence of such insurance satisfactory to Marathon.

16. DRAWINGS; OTHER DESIGN DATA

All specifications, drawings, designs, data, information, ideas, methods, tools, gages, dies, fixtures, patterns and/or inventions made, conceived, developed or acquired by Marathon in connection with procuring and/or executing Buyer's order will vest in and inure to Marathon's sole benefit notwithstanding any charges therefor which may have been or may be imposed by Marathon.

Buyer shall not give, loan, exhibit, sell or transfer to any person not then employed by Buyer and authorized to receive such information, or to any organization or entity, any drawing, photograph or specification furnished by Marathon or reproduction thereof which may enable such person, organization or entity to furnish similar goods or parts therefor.

17. RETURN OF EQUIPMENT

No equipment or part shall be returned to Marathon without written authorization and shipping instructions first having been obtained from Marathon.

18. ASSIGNMENT AND SUBCONTRACTING

None of the Buyer's rights under any order shall be assigned by the Buyer to any other person, whether by operation of law or otherwise, without Marathon's prior written approval. Marathon may, without the necessity of obtaining Buyer's prior written consent, subcontract the production of all or any portion of the equipment.

19. CANCELLATION

No order submitted to Marathon may be cancelled by Buyer without the prior written consent of Marathon, which consent will at all times be conditioned on Buyer's agreement to pay Marathon's cancellation charge. For finished equipment which in Marathon's judgment is readily resalable to others, the cancellation charge shall be 15% of the invoice price of the equipment. For all other cancellations, the cancellation charge shall amount to all costs and expenses incurred by Marathon and arising out of or in connection with Buyer's order, net of recoverability, but in no event less than 10% of the invoice price of the equipment or more than the invoice price.

20. GENERAL

Governing Law - These Terms and Conditions, and the contract of sale between Marathon and Buyer, shall be governed by and construed in accordance with the laws of the State of Wisconsin. Marathon and Buyer hereby agree that any legal action deemed necessary by either party hereto shall be brought in the Circuit Court in and for Marathon County, Wisconsin and hereby consent to the personal jurisdiction of such court in any such action over the parties hereto. The rights and obligations of Marathon and Buyer shall not be governed by the provisions of the United Nations Convention on Contracts for the International Sale of Goods.

Salvatory Clause - The invalidity, in whole or in part, of any of the provisions of these Terms and Conditions, shall not affect the enforceability of any of the other provisions thereof.

Applicability - The Terms and Conditions as stated herein are applicable as of the date of this printing and until such time as changed by Marathon.

Freight Policy

All prices are quoted F.O.B. Lima, OH; or Wausau, WI; or Indianapolis, IN; dependent upon plant of manufacture. Customers may use any one of the following methods:

- Pick up generators at our plant of manufacture on their own carrier
- Allow us to ship the generators freight collect
- Allow us to ship via our carriers

Marathon will ship the generator on our approved corporate freight carriers at the following percentage (%) adders applied to the net generator and accessory price:

Alabama 3%	Indiana 3%	Nebraska 3%	South Carolina 3%
Alaska . . . refer to factory	Iowa 3%	Nevada 5%	South Dakota 3%
Arizona 5%	Kansas 3%	New Hampshire 4%	Tennessee 3%
Arkansas 3%	Kentucky 3%	New Jersey 3%	Texas 4%
California 5%	Louisiana 4%	New Mexico 4%	Utah 5%
Colorado 4%	Maine 4%	New York 3%	Vermont 4%
Connecticut 4%	Maryland 3%	North Carolina 3%	Virginia 3%
Delaware 3%	Massachusetts 4%	North Dakota 3%	Washington 5%
Florida 4%	Michigan 3%	Ohio 2%	West Virginia 3%
Georgia 3%	Minnesota 3%	Oklahoma 3%	Wisconsin 2%
Hawaii . . . refer to factory	Mississippi 3%	Oregon 5%	Wyoming 4%
Idaho 5%	Missouri 3%	Pennsylvania 3%	Eastern Canada 4%
Illinois 3%	Montana 4%	Rhode Island 4%	Western Canada 6%

Need a generator in a hurry?

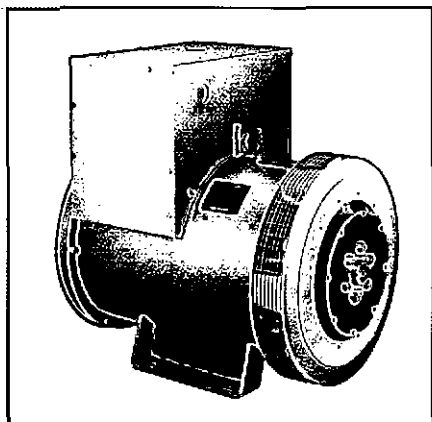
Ask for our ONE DAY SERVICE (\$150 Net Adder Per Generator)

- 1) Generator must be in stock and be ordered with standard adaption, standard voltage regulator, and standard primer paint overcoat.
- 2) Customer must have pre-approved credit with Marathon Electric, or request C.O.D. shipment.
- 3) Orders must be phoned in to Wausau by 4:00 p.m. Central Time to allow the generator to ship the next business day.
- 4) Complete adaption, regulator, regulator nameplate data and shipping information must be received at the time of order entry.

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

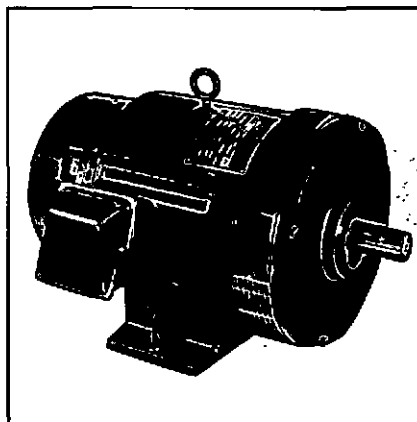
P Power Generation for the 21st Century...

MAGNAPLUS[®]



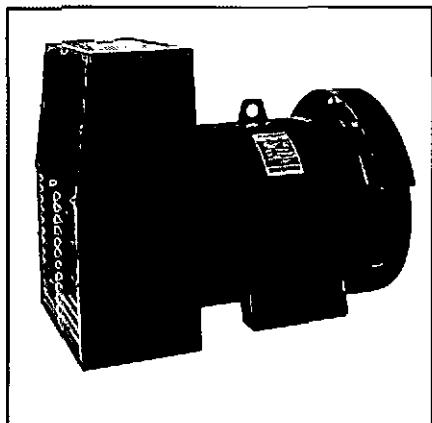
kW: 5 to 430 (60 Hertz)
kVA: 5 to 420 (50 Hertz)

LIMA[®]MAC



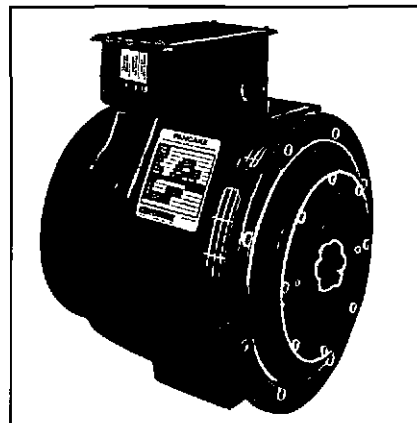
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MAGNAMAX^{DVR}



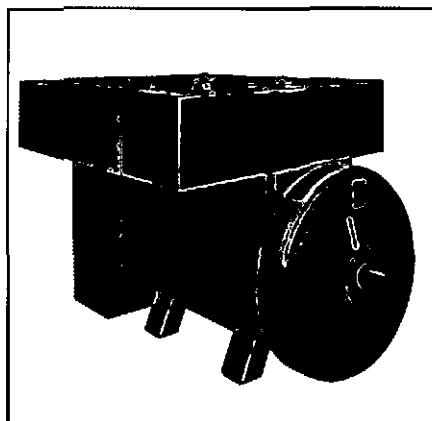
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kVA: 140 to 2400 (50 Hertz)

PANCAKE



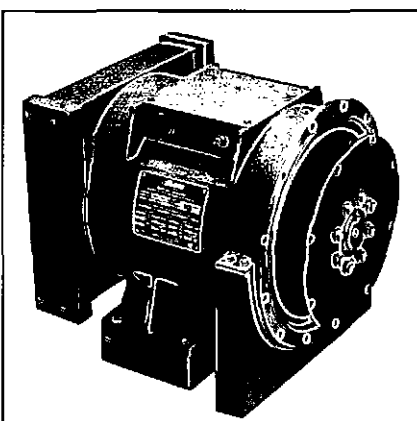
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MAGNAPOWER[®]



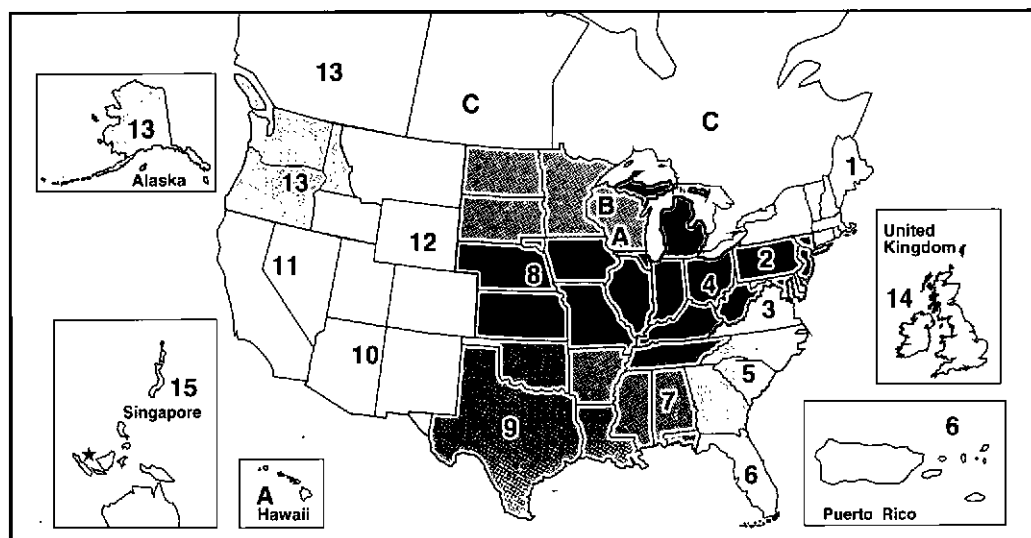
kW: 1750 to 3000 (60 Hertz)
kVA: 1500 to 3000 (50 Hertz)

REEFER



kW: 15 (60 Hertz)

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