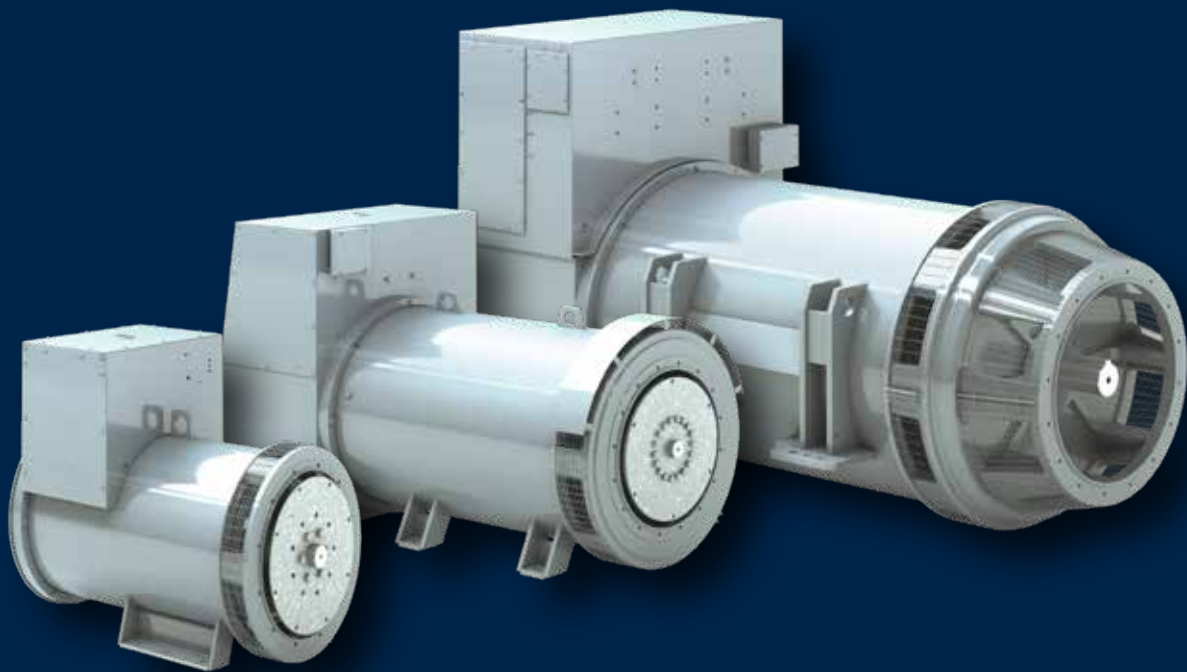




RATINGS & SPECIFICATIONS GUIDE 50 HERTZ AND SPECIALTY GENERATORS

NOV 2024 | CATALOG





The Marathon® Generator is a top performer in every respect: offering powerful performance, reliable power generation, and easy installation for prime power and emergency standby applications from 5 kVA to 4000 kVA.

The Marathon Generator brand provides an emphasis on custom and quality-manufactured solutions that provide reliability to customers. Marathon Generator's products are backed by an experienced customer service and technical support staff that are ready and available to support customer needs. Generators are manufactured and inventoried worldwide to meet the needs of our global customer base.

Marathon Generators ... for the long run



MARINE & HARSH DUTY

These rugged machines are built to withstand the most punishing environments – from hot, arid, dusty mining operations to humid, salt-laden sea air. With reinforced windings, fully encapsulated exciter stators and heavy-duty rectifier assemblies, Marathon's Mariner and Harsh Duty family of alternators deliver low-maintenance reliability.



DATA CENTERS

When mission critical loads are on the line data centers around the world have grown to rely on Marathon® generators as the most trusted, most reliable option when it comes to efficient operation, long life, proven transient performance and guaranteed uptime.

CUSTOM DESIGNS

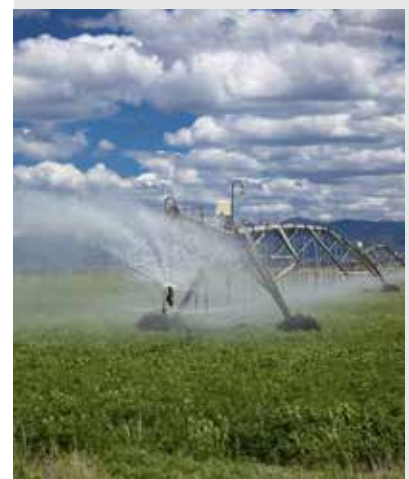
Highly engineered products designed specifically to your needs.

www.marathongenerators.com



CONSTRUCTION

Our light weight, compact design make our Pancake generators a powerful, economical power source for mobile lighting on construction jobsites.



IRRIGATION

Marathon offers generator packages specifically engineered for irrigation applications.

TABLE OF CONTENTS

RATINGS

LOW VOLTAGE - MAGNAPLUS®, MAGNAMAX®, MAGNAPOWER® GENERATORS

Three-phase, 190 Volts - 440 Volts	4-13
Single-phase, 110 Volts - 220 Volts	14-15

MEDIUM VOLTAGE - MAGNAMAX®, MAGNAPOWER® GENERATORS

3300 Volts - 6900 Volts	16-19
---	-------

HIGH VOLTAGE - MAGNAPOWER® GENERATORS

10000 Volts - 11000 Volts	20
---	----

SPECIALTY GENERATORS

Mariner® heavy duty generators	2
Harsh Duty industrial generators	3
Datamax™ data center generators	21
MAGNASELECT™ selector switch generators	22
Marine Agency certified generators and requirements	23-24
Mariner DEP/SS generators	24
Hazardous Duty - ATEX Zone 2 certified generators	25
Pancake - capacitor regulated generator (light towers)	26
6 pole, 1200 rpm generators	26
Drill Rig Duty generators	27
Crane Duty generators	27
Rail Duty generators	28

MODIFICATION SECTION

Generators, voltage regulators, accessories, testing & general notes	29-33
--	-------

TECHNICAL INFORMATION

Standard SAE dimensions	33-34
Dimensions, drawings, and weights	34-41
Environmental and special application considerations	42
Connection diagrams	43-44
Automatic voltage regulator features	45
Formulas	46
Agency information	47
Warnings and cautions	48
Resale of goods and freight policy	49

SALES CONTACTS

Territory map	55
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1500 RPM
NEMA®* Class H Insulation
0.8 Power Factor Lagging



FEATURES:

- Reinforced windings with multiple dip & bake cycles on main stator to handle high moisture salt-laden marine applications.
- Fully encapsulated exciter stator for maximum environmental protection.
- Heavy duty rectifier assembly designed to handle extreme voltage transient surges and over-current situations.
- Regulators: 280 through 430 frame sizes include **SE350E**; 570 frames include **DVR®2400** with PMG standard.

Base model	kVA Ratings @ 50°C Ambient, Cont.					
	220Y 95°C R/R	220Y 110°C R/R	380Y 95°C R/R	380Y 110°C R/R	400Y 95°C R/R	400Y 110°C R/R
12 Lead Reconnectable with Link Board as Standard						
282PSL28043	12	13.5	16.9	19.8	15.6	18.5
283PSL28045	20	23	23	28	23	28
284PSL28047	25	29	31	37	30	35
285PSL28048	30	32	37	43	36	41
361PSL3120	38	40	40	44	41	45
361PSL3121	43	45	50	53	50	52
361PSL3122	45	51	60	65	56	62
362PSL3124	65	75	75	80	73	81
362PSL3126	73	81	82	94	81	94
363PSL3127	90	101	100	113	100	113
431PSL6252	121	130	140	143	135	141
431PSL6254	143	151	160	166	160	165
431PSL6256	150	161	186	200	183	193
431PSL6258	183	195	200	210	200	210
432PSL6260	191	210	235	256	240	251
432PSL6262	245	260	256	270	256	271
433PSL6266	241	265	325	245	310	331
433PSL6270	285	310	355	375	350	368
12 Lead Reconnectable with Bus Bars as Standard						
572RSL6325	306	331	438	469	425	450
572RSL6327	356	363	450	475	463	494
572RSL6329	331	381	506	550	506	531
572RSL6331	431	469	513	563	525	563
573RSL6333	519	556	669	700	656	688
573RSL6335	469	513	663	738	669	706
574RSL6337	519	569	700	769	725	794

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**4-Pole
Three Phase
Generators**

**50
Hertz**

200Y or 400Y Volts

1500 RPM
NEMA®* Class H Insulation
0.8 Power Factor Lagging
40°C Ambient

HARSH DUTY®

FEATURES:

- Reinforced windings with multiple dip & bake cycles on main stator to handle dust-laden and/or harsh industrial applications.
- Fully Encapsulated exciter stator for maximum environmental protection.
- Heavy duty rectifier assembly designed to handle extreme voltage transient surges and over-current situations.
- **Regulators:** 280 through 430 frame sizes include **SE350E**; 570 frames include **DVR®2400** with PMG standard.

Base model	Ratings @ Designated NEMA Rise									
	Continuous						Stand by			
	NEMA B 80°C		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
12 Lead Reconnectable with Link Board as Standard										
282PSL28043	15	12	17	14	20	16	20	16	21	17
283PSL28045	22	18	26	21	30	24	30	24	32	26
284PSL28047	28	33	33	27	38	31	38	31	41	33
285PSL28048	35	28	40	32	43	35	43	35	47	38
361PSL3120	39	31	44	36	48	38	48	38	51	41
361PSL3121	46	37	52	42	57	46	57	46	61	49
361PSL3122	53	43	63	50	68	54	68	54	75	60
362PSL3124	70	57	81	65	88	70	88	70	94	75
362PSL3126	78	63	94	75	100	80	100	80	110	88
363PSL3127	96	77	113	90	130	104	130	104	133	106
431PSL6252	123	98	141	113	150	120	153	122	160	128
431PSL6254	141	113	165	132	175	140	180	144	185	148
431PSL6256	161	129	193	154	206	165	210	168	220	176
431PSL6258	180	144	210	168	225	180	230	184	235	188
432PSL6260	211	169	251	201	270	216	275	220	285	228
432PSL6262	230	184	271	217	300	240	300	240	306	245
433PSL6266	270	216	331	265	360	288	370	296	385	308
433PSL6270	305	244	368	294	400	320	405	324	420	336
12 Lead Reconnectable with Bus Bars as Standard										
572RSL6325	381	305	450	360	475	380	488	390	506	405
572RSL6327	413	330	494	395	519	415	531	425	550	440
572RSL6329	438	350	531	425	569	455	581	465	600	480
572RSL6331	469	375	563	450	600	480	613	490	638	510
573RSL6333	594	475	688	550	725	580	738	590	763	610
573RSL6335	594	475	706	565	750	600	769	615	794	635
574RSL6337	669	535	794	635	850	680	863	690	894	715

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RATINGS



**190Y or 380Y Volts
220 or 110 Volts Delta**

**1500 RPM
NEMA®* Class H Insulation
40°C Ambient
0.8 Power Factor Lagging
Shunt (Non-PMG) Excitation
SE350E AVR**

MAGNAPLUS® Standard Models

Base Model	Ratings @ Designated NEMA Rise									
	Continuous						Standby			
	NEMA F 80°C R/R		NEMA F 105°C R/R		NEMA H 125°C R/R		NEMA H 130°C R/R		NEMA H 150°C R/R	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
12 Lead Reconnectable with Link Board as Standard										
282PSL1704	12.5	10	14.4	11.5	16.3	13	16.3	13	17.5	14
282PSL1705	16.3	13	18.8	15	21.3	17	21.3	17	22.5	18
283PSL1706	21	17	25	20	27	22	27.5	22	28	23
283PSL1707	22	18	26	21	30	24	30	24	32	26
284PSL1708	28	23	32	26	35	28	35	28	38	31
284PSL1742	30	24	35	28	40	32	40	32	42	34
285PSL1700	35	28	43	33	46	37	46	37	50	40
286PSL1701	41	33	50	40	55	44	55	44	58	47
361PSL1600	38	30	44	35	45	36	45	36	50	40
361PSL1601	47	38	53	43	57	46	57	46	62	50
361PSL1602	57	46	65	52	70	56	70	56	75	60
362PSL1604	70	57	80	64	85	68	85	68	91	73
362PSL1606	81	65	94	75	100	80	100	80	110	88
363PSL1607	96	77	113	90	130	104	125	100	133	106
364PSL1608	125	100	143	114	155	124	155	124	160	128
364PSL1609	125	100	156	125	169	135	169	135	180	144
431PSL6202	125	100	143	114	151	121	155	124	160	128
431PSL6204	144	115	166	133	176	141	180	144	185	148
431PSL6206	166	133	200	160	211	169	215	172	225	180
431PSL6208	180	144	210	168	225	180	230	184	235	188
432PSL6210	220	176	256	205	275	220	280	224	290	232
432PSL6212	230	184	270	216	300	240	300	240	303	242
433PSL6216	285	228	345	276	370	296	376	301	390	312
433PSL6220	315	252	375	300	400	320	410	328	423	338

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4-Pole Three Phase Generators

50 Hertz

190Y or 380Y Volts
220 or 110 Volts Delta
380Y Volts

1500 RPM
NEMA®* Class H Insulation
40°C Ambient
0.8 Power Factor Lagging
Includes PMG Excitation

Regulator: Includes DVR@2400, except 572-574 frame RSL models which include PM500.

MAGNAMAX® Standard Models

Base Model	Ratings @ Designated NEMA Rise									
	Continuous						Standby			
	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
Random Wound Coil Designs, 12 Lead Reconnectable with Bus Bars Standard, 190/380Y										
572RSL6425	406	325	469	375	500	400	500	400	506	405
572RSL6427	419	335	475	380	500	400	513	410	544	435
572RSL6429	475	380	550	440	588	470	594	475	600	480
572RSL6431	500	400	563	450	600	480	613	490	644	515
573RSL6433	613	490	700	560	750	600	756	605	775	620
573RSL6435	625	500	738	590	781	625	800	640	819	655
574RSL6437	675	540	769	615	819	655	831	665	888	710
Random Wound Coil Designs, 4 Bars, 380Y Only										
574RSL6438	731	585	831	665	888	710	900	720	956	765
575RSL4044	806	645	963	770	1031	825	1056	845	1138	910
741RSL4044	875	700	1000	800	1056	845	1075	860	1144	915
740RSL4046	969	775	1125	900	1200	960	1219	975	1300	1040
742RSL4048	1050	840	1181	945	1250	1000	1263	1010	1338	1070
742RSL4050	1188	950	1363	1090	1463	1170	1500	1200	1563	1250
743RSL4052	1388	1110	1650	1320	1775	1420	1775	1420	1850	1480
744RSL4054	1500	1200	1750	1400	1875	1500	1913	1530	1988	1590
744RSL4056	1763	1410	2063	1650	2200	1760	2238	1790	2400	1920
744RSL4057	1725	1380	2013	1610	2150	1720	2188	1750	2338	1870
744RSL4059	1725	1380	2013	1610	2275	1820	2313	1850	2550	2040
764RSL4063	1875	1500	2200	1760	2400	1920	2500	2000	2650	2120
Form Wound Coil Designs, 4 Bars, 380Y Only										
573FSL4402	425	340	500	400	550	440	550	440	575	460
574FSL4404	550	440	638	510	713	570	713	570	738	590
742FSL4408	763	610	950	760	1050	840	1075	860	1113	890
743FSL4410	850	680	1050	840	1138	910	1163	930	1213	970
743FSL4412	975	780	1188	950	1263	1010	1288	1030	1313	1050
744FSL4060	1225	980	1450	1160	1563	1250	1563	1250	1650	1320
744FSL4062	1500	1200	1725	1380	1875	1500	1875	1500	1963	1570
744FSL4414	1725	1380	2025	1620	2163	1730	2213	1770	2288	1830

MAGNAPOWER® Standard Models

All 860 & 1000 frame generators have 4 bus bars, with the capability of differential protection.

Base Model	Ratings @ Designated NEMA Rise									
	Continuous						Standby			
	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
Random Wound Coil Designs, 6 Lead, 380Y Only										
861RSL86002	2000	1600	2275	1820	2500	2000	2500	2000	2625	2100
1020RDL1109	2563	2050	3125	2500	3250	2600	3313	2650	3500	2800
1020RDL1111	2813	2250	3438	2750	3563	2850	3563	2850	3750	3000
862RSL86004	2175	1740	2475	1980	2700	2160	2700	2160	2850	2280
862RSL86006	1875	1500	2200	1760	2400	1920	2500	2000	2650	2120
Form Wound Coil Designs, 380Y Only										
1020FDL1100	1938	1550	2225	1780	2225	1780	2225	1780	2225	1780
1020FDL1102	2000	1600	2300	1840	2300	1840	2300	1840	2300	1840
1020FDL1104	2225	1780	2550	2040	2550	2040	2550	2040	2550	2040
1020FDL1106	2250	1800	2813	2250	2850	2280	2850	2280	2850	2280
863FSL86056	2525	2020	2813	2250	3125	2500	3125	2500	3375	2700
1020FDL1108	2450	1960	2900	2320	2925	2340	2925	2340	2925	2340
1030FDL1110	2625	2100	3125	2500	3263	2610	3338	2670	3338	2670

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200Y or 400Y Volts
230 or 115 Volts Delta

1500 RPM
NEMA®* Class H Insulation
40°C Ambient
0.8 Power Factor Lagging
Shunt (Non-PMG) Excitation
SE350E AVR

MAGNAPLUS® Standard Models

Base Model	Ratings @ Designated NEMA Rise									
	Continuous						Standby			
	NEMA F 80°C R/R		NEMA F 105°C R/R		NEMA H 125°C R/R		NEMA H 130°C R/R		NEMA H 150°C R/R	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
12 Lead Reconnectable with Link Board as Standard										
282PSL1704	11.7	9.3	13.8	11	15	12	15	12	16.3	13
282PSL1705	15	12	17.5	14	20	16	20	16	21.3	17
283PSL1706	20.6	16.5	23	19	26	21	26	21	27	22
283PSL1707	22	18	26	21	30	24	30	24	32	26
284PSL1708	27	22	30	24	33	27	33	27	36	29
284PSL1742	28	23	33	27	38	31	38	31	41	33
285PSL1700	35	28	40	32	43	35	43	35	47	38
286PSL1701	41	33	50	40	55	44	55	44	58	47
361PSL1600	39	31	44	36	48	38	48	38	51	41
361PSL1601	46	37	52	42	57	46	57	46	61	49
361PSL1602	53	43	62	50	67	54	68	54	75	60
362PSL1604	70	57	81	65	88	70	88	70	94	75
362PSL1606	78	63	93	75	100	80	100	80	110	88
363PSL1607	96	77	113	90	130	104	130	104	133	106
364PSL1608	123	98	141	113	153	122	153	122	160	128
364PSL1609	125	100	156	125	169	135	169	135	180	144
431PSL6202	123	98	141	113	150	120	153	122	160	128
431PSL6204	141	113	165	132	175	140	180	144	185	148
431PSL6206	161	129	193	154	206	165	210	168	220	176
431PSL6208	180	144	210	168	225	180	230	184	235	188
432PSL6210	211	169	251	201	270	216	275	220	285	228
432PSL6212	230	184	271	217	300	240	300	240	306	245
433PSL6216	270	216	331	265	360	288	370	296	385	308
433PSL6220	305	244	368	294	400	320	405	324	420	336

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4-Pole Three Phase Generators

50 Hertz

200Y or 400Y Volts
230 or 115 Volts Delta
400Y Volts

1500 RPM
NEMA®* Class H Insulation
40°C Ambient
0.8 Power Factor Lagging
Includes PMG Excitation

Regulator: Includes DVR®2400, except 572-574 frame RSL models which include PM500.

MAGNAMAX® Standard Models

Base Model	Ratings @ Designated NEMA Rise									
	Continuous						Standby			
	NEMA F 80°C R/R		NEMA F 105°C R/R		NEMA H 125°C R/R		NEMA H 130°C R/R		NEMA H 150°C R/R	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
Random Wound Coil Designs, 12 Lead Reconnectable with Bus Bars Standard 200Y/400Y										
572RSL6425	381	305	450	360	475	380	488	390	506	405
572RSL6427	413	330	494	395	519	415	531	425	550	440
572RSL6429	438	350	531	425	569	455	581	465	600	480
572RSL6431	469	375	563	450	600	480	613	490	638	510
573RSL6433	594	475	688	550	725	580	738	590	763	610
573RSL6435	594	475	706	565	750	600	769	615	794	635
574RSL6437	669	535	794	635	850	680	863	690	894	715
Random Wound Coil Designs, 4 Bars, 400Y Only										
574RSL6438	713	570	850	680	913	730	931	745	963	770
575RSL4044	788	630	963	770	1038	830	1063	850	1144	915
741RSL4044	869	695	1038	830	1100	880	1113	890	1181	945
740RSL4046	988	790	1150	920	1225	980	1250	1000	1338	1070
742RSL4048	1000	800	1200	960	1288	1030	1288	1030	1363	1090
742RSL4050	1238	990	1450	1160	1550	1240	1563	1250	1638	1310
743RSL4052	1275	1020	1550	1240	1688	1350	1688	1350	1813	1450
744RSL4054	1513	1210	1788	1430	1925	1540	1925	1540	2038	1630
744RSL4056	1763	1410	2113	1690	2288	1830	2338	1870	2450	1960
744RSL4057	1788	1430	2088	1670	2238	1790	2275	1820	2438	1950
744RSL4059	1788	1430	2088	1670	2275	1820	2313	1850	2550	2040
764RSL4063	1875	1500	2200	1760	2400	1920	2500	2000	2650	2120
Form Wound Coil Designs, 4 Bars, 400Y Only										
573FSL4402	450	360	525	420	575	460	575	460	600	480
574FSL4404	575	460	675	540	750	600	750	600	775	620
742FSL4408	700	560	1000	800	1100	880	1125	900	1175	940
743FSL4410	800	640	1100	880	1200	960	1225	980	1275	1020
743FSL4412	820	1025	1250	1000	1325	1060	1350	1080	1375	1100
744FSL4060	1200	960	1438	1150	1550	1240	1550	1240	1663	1330
744FSL4062	1475	1180	1763	1410	1900	1520	1900	1520	2013	1610
744FSL4414	1663	1330	1975	1580	2125	1700	2175	1740	2250	1800

MAGNAPOWER® Standard Models

All 860 & 1000 frame generators have 4 bus bars, with the capability of differential protection.

Base Model	Ratings @ Designated NEMA Rise									
	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	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
Random Wound Coil Designs, 6 Lead, 400Y Only										
861RSL86002	2125	1700	2500	2000	2625	2100	2625	2100	2750	2200
1020RDL1109	2563	2050	3125	2500	3250	2600	3313	2650	3500	2800
1020RDL1111	2875	2300	3438	2750	3563	2850	3563	2850	3750	3000
862RSL86004	2250	1800	2625	2100	2800	2240	2800	2240	3000	2400
862RSL86006	2438	1950	2750	2200	3000	2400	3000	2400	3188	2550
Form Wound Coil Designs, 6 Leads, 400Y Only										
1020FDL1100	1888	1510	2200	1760	2200	1760	2200	1760	2200	1760
1020FDL1102	1944	1550	2278	1820	2278	1820	2278	1820	2278	1820
1020FDL1104	2163	1730	2525	2020	2525	2020	2525	2020	2525	2020
1020FDL1106	2150	1765	2700	2160	2740	2190	2740	2190	2740	2190
863FSL86056	2525	2020	2813	2250	3125	2500	3125	2500	3375	2700
1020FDL1108	2338	1870	2788	2230	2813	2250	2813	2250	2813	2250
1030FDL1110	2550	2040	3050	2440	3250	2600	3288	2630	3288	2630

General notes on page 33 may apply to this page.

See available modifications on pages 29.

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208Y or 415Y Volts
240 or 120 Volts Delta

1500 RPM
NEMA®* Class H Insulation
40°C Ambient
0.8 Power Factor Lagging
Shunt (Non-PMG) Excitation
SE350E AVR

MAGNAPLUS® Standard Models

Base Model	Ratings @ Designated NEMA Rise									
	Continuous						Standby			
	NEMA F 80°C R/R		NEMA F 105°C R/R		NEMA H 125°C R/R		NEMA H 130°C R/R		NEMA H 150°C R/R	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
12 Lead Reconnectable with Link Board as Standard										
282PSL1704	10	8	12.5	10	13.8	11	13.8	11	15	12
282PSL1705	14.4	11.5	16.3	13	18.8	15	18.8	15	20	16
283PSL1706	19.4	15.5	22	18	25	20	25	20	26	21
283PSL1707	22	18	26	21	30	24	30	24	32	26
284PSL1708	25	20	28	23	32	26	33	26	35	28
284PSL1742	28	23	33	27	37	30	38	30	40	32
285PSL1700	33	26	37	30	43	34	43	34	45	36
286PSL1701	41	33	50	40	55	44	55	44	58	47
361PSL1600	40	32	45	36	50	40	50	40	53	42
361PSL1601	45	36	50	40	56	45	56	45	60	48
361PSL1602	50	40	60	48	65	52	65	52	73	58
362PSL1604	70	57	81	65	90	72	90	72	96	77
362PSL1606	75	60	90	72	100	80	100	80	110	88
363PSL1607	96	77	113	90	130	104	130	104	133	106
364PSL1608	118	94	140	112	150	120	150	120	155	124
364PSL1609	125	100	150	120	163	130	163	130	175	140
431PSL6202	118	94	140	112	150	120	150	120	155	124
431PSL6204	140	112	165	132	175	140	176	141	183	146
431PSL6206	153	122	185	148	200	160	205	164	211	169
431PSL6208	175	140	206	165	225	180	225	180	235	188
432PSL6210	196	157	240	192	260	208	265	212	275	220
432PSL6212	230	184	270	216	300	240	300	240	310	248
433PSL6216	251	201	320	256	350	280	360	288	375	300
433PSL6220	286	229	355	284	400	320	400	320	410	328

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**4-Pole
Three Phase
Generators**

**50
Hertz**

**208Y or 415Y Volts
240 or 120 Volts Delta
415Y Volts**

**1500 RPM
NEMA®* Class H Insulation
40°C Ambient
0.8 Power Factor Lagging
Includes PMG Excitation**

Regulator: Includes **DVR®2400**, except 572-574 frame RSL models which include **PM500**.

MAGNAMAX® Standard Models

Base Model	Ratings @ Designated NEMA Rise									
	Continuous						Standby			
	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
Random Wound Coil, 12 Lead Reconnectable with Bus Bars Standard, 208Y/415Y										
572RSL6425	344	275	413	330	444	355	456	365	475	380
572RSL6427	388	310	469	375	500	400	513	410	531	425
572RSL6429	406	325	500	400	531	425	544	435	563	450
572RSL6431	444	355	550	440	581	465	600	480	625	500
573RSL6433	550	440	650	520	700	560	713	570	738	590
573RSL6435	538	430	669	535	713	570	731	585	756	605
574RSL6437	600	480	731	585	788	630	800	640	838	670
Random Wound Coil Designs, 4 Bars, 415Y Only										
574RSL6438	688	550	825	660	888	710	906	725	938	750
575RSL4044	796	615	963	770	1013	810	1025	820	1056	845
741RSL4044	800	640	969	775	1038	830	1038	830	1106	885
740RSL4046	919	735	1106	885	1188	950	1219	975	1275	1020
742RSL4048	931	745	1131	905	1219	975	1219	975	1300	1040
742RSL4050	1188	950	1438	1150	1538	1230	1538	1230	1638	1310
743RSL4052	1169	935	1500	1200	1600	1280	1600	1280	1725	1380
744RSL4054	1438	1150	1725	1380	1875	1500	1875	1500	2013	1610
744RSL4056	1625	1300	1963	1570	2125	1700	2175	1740	2275	1820
744RSL4057	1638	1310	2038	1630	2225	1780	2288	1830	2400	1920
744RSL4059	1638	1310	2038	1630	2250	1800	2288	1830	2438	1950
764RSL4063	1800	1440	2113	1690	2300	1840	2400	1920	2550	2040
Form Wound Coil Designs, 4 Bars, 415Y Only										
573FSL4402	438	350	513	410	563	450	563	450	588	470
574FSL4404	563	450	663	530	738	590	738	590	763	610
742FSL4408	788	630	988	790	1075	860	1100	880	1150	920
743FSL4410	888	710	1075	860	1175	940	1200	960	1250	1000
743FSL4412	1013	810	1225	980	1300	1040	1325	1060	1350	1080
744FSL4060	1150	920	1425	1140	1550	1240	1550	1240	1650	1320
744FSL4062	1438	1150	1750	1400	1900	1520	1900	1520	2025	1620
744FSL4414	1588	1270	1913	1530	2050	1640	2100	1680	2188	1750

MAGNAPOWER® Standard Models

All 860 & 1000 frame generators have 4 bus bars, with the capability of differential protection.

Base Model	Ratings @ Designated NEMA Rise									
	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	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
Random Wound Coil Designs, 6 Lead, 415Y Only										
861RSL86002	2000	1600	2275	1820	2500	2000	2500	2000	2625	2100
1020RDL1109	2563	2050	3125	2500	3125	2500	3313	2650	3500	2800
1020RDL1111	2875	2300	3375	2700	3500	2800	3500	2800	3750	3000
862RSL86004	2200	1760	2500	2000	2725	2180	2725	2180	2863	2290
862RSL86006	2375	1900	2656	2125	2900	2320	2900	2320	3075	2460
Form Wound Coil Designs, 415Y Only										
1020FDL1100	1825	1460	2138	1710	2138	1710	2138	1710	2138	1710
1020FDL1102	1876	1500	2210	1770	2210	1770	2210	1770	2210	1770
1020FDL1104	2088	1670	2450	1960	2450	1960	2450	1960	2450	1960
1020FDL1106	2078	1660	2630	2100	2668	2130	2668	2130	2668	2130
863FSL86056	2425	1940	2700	2160	3000	2400	3000	2400	3225	2580
1020FDL1108	2263	1810	2713	2170	2738	2190	2738	2190	2738	2190
1030FDL1110	2450	1960	3000	2400	3163	2530	3238	2590	3238	2590

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RATINGS



220Y or 440Y Volts

1500 RPM
NEMA®* Class H Insulation
40°C Ambient
0.8 Power Factor Lagging
Shunt (Non-PMG) Excitation
SE350E AVR

MAGNAPLUS® Standard Models

Base Model	Ratings @ Designated NEMA Rise									
	Continuous						Standby			
	NEMA F 80°C R/R		NEMA F 105°C R/R		NEMA H 125°C R/R		NEMA H 130°C R/R		NEMA H 150°C R/R	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
12 Lead Reconnectable with Link Board as Standard										
282PSL1704	8	6.4	10	8	10.5	8.4	10.5	8.4	11.5	9.2
282PSL1705	11.5	9.2	12.5	10	15	12	15	12	15.6	12.5
283PSL1706	15	12	17.5	14	20	16	20	16	20.6	16.5
283PSL1707	18.7	15	22.5	18	25	20	25	20	26.3	21
284PSL1708	20	16	22	18	25	20	25	20	35	28
284PSL1742	24	19	27	22	31	25	31	25	32	26
285PSL1700	27	22	31	25	35	28	35	28	38	31
286PSL1701	37	30	45	36	50	40	50	40	52	42
361PSL1600	38	30	41	32	45	36	45	36	47	36
361PSL1601	40	32	45	36	51	41	51	41	54	43
361PSL1602	43	35	51	41	56	45	56	45	60	48
362PSL1604	63	50	75	60	81	65	81	65	88	77
362PSL1606	69	55	81	65	90	72	90	72	100	80
363PSL1607	86	69	101	81	113	90	113	90	119	95
364PSL1608	106	85	125	100	138	110	138	110	144	115
364PSL1609	108	86	130	104	141	113	141	113	150	120
431PSL6202	108	86	130	104	140	112	141	113	150	120
431PSL6204	125	100	151	121	163	130	166	133	173	138
431PSL6206	128	102	161	129	176	141	181	145	190	152
431PSL6208	160	128	195	156	210	168	215	172	225	180
432PSL6210	161	129	210	168	230	184	235	188	250	200
432PSL6212	213	170	260	208	280	224	286	229	300	240
433PSL6216	195	156	265	212	300	240	310	248	326	261
433PSL6220	236	189	310	248	343	274	343	274	371	297

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**4-Pole
Three Phase
Generators**

**50
Hertz**

**220Y or 440Y Volts
440Y Volts**

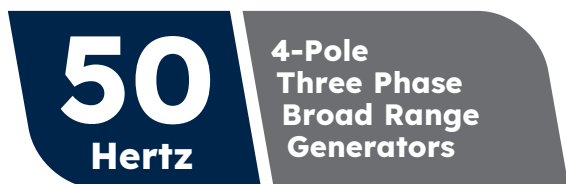
**1500 RPM
NEMA®* Class H Insulation
40°C Ambient
0.8 Power Factor Lagging
Includes PMG Excitation**

Regulator: Includes **DVR®2400**, except 572-574 frame RSL models which include **PM500**.

MAGNAMAX® Standard Models

Base Model	Ratings @ Designated NEMA Rise									
	Continuous						Standby			
	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
Random Wound Coil, 12 Lead Reconnectable with Bus Bars Standard, 220Y/440Y										
572RSL6425	256	205	331	265	363	290	375	300	394	315
572RSL6427	306	245	381	305	419	335	425	340	444	355
572RSL6429	296	215	363	290	406	325	419	335	444	355
572RSL6431	363	290	469	375	519	415	531	425	563	450
573RSL6433	450	360	556	445	606	485	625	500	656	525
573RSL6435	394	315	513	410	569	455	588	470	619	495
574RSL6437	438	350	569	455	631	505	650	520	688	550
Random Wound Coil Designs, 4 Bars, 440Y Only										
574RSL6438	581	465	725	580	794	635	813	650	850	680
575RSL4044	463	370	681	545	781	625	813	650	875	700
741RSL4044	631	505	806	645	888	710	888	710	963	770
740RSL4046	694	555	913	730	1000	800	1038	830	1094	875
742RSL4048	731	585	938	750	1031	825	1031	825	1113	890
742RSL4050	1088	870	1350	1080	1463	1170	1463	1170	1563	1250
743RSL4052	806	645	1119	895	1263	1010	1263	1010	1388	1110
744RSL4054	988	790	1363	1090	1550	1240	1550	1240	1713	1370
744RSL4056	1146	917	1575	1260	1763	1410	1825	1460	1925	1540
744RSL4057	1121	897	1538	1230	1725	1380	1775	1420	1875	1500
764RSL4063	1250	1000	1600	1280	1788	1430	1875	1500	2000	1600
Form Wound Coil Designs, 4 Bars, 440Y Only										
573FSL4402	425	340	500	400	550	440	550	440	575	460
574FSL4404	550	440	638	510	713	570	713	570	738	590
742FSL4408	763	610	950	760	1050	840	1075	860	1125	900
743FSL4410	863	690	1050	840	1150	920	1163	930	1213	970
743FSL4412	975	780	1188	950	1263	1010	1288	1030	1313	1050
744FSL4060	1075	860	1350	1080	1475	1180	1475	1180	1588	1270
744FSL4062	1250	1000	1575	1260	1725	1380	1725	1380	1863	1490
744FSL4414	1413	1130	1781	1425	1925	1540	1969	1575	2088	1670

[General notes on page 33 may apply to this page.](#)
[See available modifications on pages 29.](#)



190Y-208Y or
380Y-415Y Volts

1500 RPM
NEMA®* Class H Insulation
40°C Ambient
0.8 Power Factor Lagging
Shunt (Non-PMG) Excitation
SE350E AVR

MAGNAPLUS® Standard Models

Base Model	Ratings @ Designated NEMA Rise									
	Continuous						Standby			
	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
12 Lead Reconnectable with Link Board as Standard										
282PSL1704	10	8	12.5	10	13.8	11	13.8	11	15	12
282PSL1705	14.4	11.5	16.3	13	18.8	15	18.8	15	20	16
283PSL1706	19.4	15.5	22	18	25	20	25	20	26	21
283PSL1707	22.5	18	26	21	30	24	30	24	32	26
284PSL1708	25	20	28	23	32	26	32	26	35	28
284PSL1742	28	23	33	27	37	30	37	30	40	32
285PSL1700	32	26	37	30	42	34	42	34	45	36
286PSL1701	41	33	50	40	55	44	55	44	58	47
361PSL1600	38	30	44	35	45	36	45	36	50	40
361PSL1601	45	36	50	40	56	45	56	45	60	48
361PSL1602	50	40	60	48	65	52	65	52	73	58
362PSL1604	70	57	80	64	85	68	85	68	91	73
362PSL1606	75	60	90	72	100	80	100	80	110	88
363PSL1607	96	77	113	90	130	104	125	100	133	106
364PSL1608	118	94	140	112	150	120	150	120	155	124
364PSL1609	125	100	156	125	169	135	169	135	180	144
431PSL6202	118	94	140	112	150	120	150	120	155	124
431PSL6204	140	112	165	132	175	140	176	141	183	146
431PSL6206	153	122	185	148	200	160	205	164	211	169
431PSL6208	175	140	206	165	225	180	230	184	235	188
432PSL6210	196	157	240	192	260	208	265	212	275	220
432PSL6212	230	184	270	216	300	240	300	240	303	242
433PSL6216	251	201	320	256	350	280	360	288	375	300
433PSL6220	286	229	355	284	400	320	400	320	410	328

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[See available modifications on pages 29-32.](#)

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**4-Pole
Three Phase
Broad Range
Generators**

**50
Hertz**

**190Y-208Y or
380Y-415Y Voits**

**1500 RPM
NEMA®* Class H Insulation
40°C Ambient
0.8 Power Factor Lagging
PM500 AVR w/PMG Excitation**

MAGNAMAX® Standard Models

Base Model	Ratings @ Designated NEMA Rise									
	Continuous						Standby			
	NEMA F 80°C R/R		NEMA F 105°C R/R		NEMA H 125°C R/R		NEMA H 130°C R/R		NEMA H 150°C R/R	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
Random Wound Coil Designs ,12 Lead Reconnectable with Bus Bars Standard.										
572RSL6425	344	275	413	330	444	355	456	365	475	380
572RSL6427	388	310	469	375	500	400	513	410	531	425
572RSL6429	406	325	500	400	531	425	544	435	563	450
572RSL6431	444	355	550	440	581	465	600	480	625	500
573RSL6433	550	440	650	520	700	560	713	570	738	590
573RSL6435	538	430	669	535	713	570	731	585	756	605
574RSL6437	600	480	731	585	788	630	800	640	838	670

[General notes on page 33 may apply to this page.](#)
[See available modifications on page 29.](#)



220/110 Volts
440/220 Volts
110 Volts Delta

1500 RPM
NEMA®* Class H Insulation
40°C Ambient
SE350E AVR w/Shunt (Non-PMG) Excitation

MAGNAPLUS® Standard Models

Base Model	Ratings @ Designated NEMA Rise								
	0.8 Power Factor Lagging						1.0 Power Factor		
	Continuous				Standby		Continuous		Standby
	NEMA F 105°C R/R		NEMA H 125°C R/R		NEMA H 150°C R/R		NEMA F 105°C R/R	NEMA H 125°C R/R	NEMA H 150°C R/R
	kVA	kW	kVA	kW	kVA	kW	kVA/kW	kVA/kW	kVA/kW
12 Lead Reconnectable with Link Board as Standard									
282PSL1704	9.1	7.3	9.8	7.8	10	8	12	13	14
282PSL1705	11.3	9	12.5	10	13.1	10.5	13.5	15	16
283PSL1706	13.8	11	15	12	16.3	13	17	18	20
283PSL1707	16.9	13.5	18.1	14.5	18.8	15	19	21	23
284PSL1708	20	16	21.3	17	22.5	18	25	26	28
284PSL1742	23.8	19	26.3	21	27.5	22	27	30	32
285PSL1700	25	20	28	22	30	24	28	31	33
286PSL1701	28	22	31	25	34	27	32	35	37
361PSL1600	25	20	26	21	29	23	28	30	32
361PSL1601	29	23	31	25	34	27	33	35	38
361PSL1602	33	26	35	28	39	31	37	40	43
362PSL1604	44	35	48	38	53	42	46	50	54
362PSL1606	51	41	56	45	60	48	56	60	65
363PSL1607	58	46	63	50	66	53	60	65	70
431PSL6202	90	72	95	76	100	80	90	95	100
431PSL6204	100	80	110	88	115	92	100	110	115
431PSL6206	120	96	130	104	135	108	120	130	135
431PSL6208	125	100	140	112	145	116	125	140	145
432PSL6210	150	120	165	132	170	136	150	165	170
432PSL6212	150	120	165	132	170	136	150	165	170
433PSL6216	190	152	200	160	215	172	190	200	215
433PSL6220	190	152	200	160	215	172	190	200	215

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[See available modifications on pages 29-32.](#)

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marathon®

**4-Pole
Dedicated
Single Phase
Generators**

**50
Hertz**

220/110 or 110 Volts

**1500 RPM
NEMA®* Class H Insulation
40°C Ambient
SE350E AVR w/Shunt (Non-PMG) Excitation**

MAGNAPLUS® Standard Models

Base Model	Ratings @ Designated NEMA Rise								
	0.8 Power Factor Lagging						1.0 Power Factor		
	Continuous				Standby		Continuous		Standby
	NEMA F 105°C R/R		NEMA H 125°C R/R		NEMA H 150°C R/R		NEMA F 105°C R/R	NEMA H 125°C R/R	NEMA H 150°C R/R
	kVA	kW	kVA	kW	kVA	kW	kVA/kW	kVA/kW	kVA/kW
4 Lead with Link Board as Standard									
282PSL1714	6.5	5.2	7.5	6	7.9	6.3	9	9.7	10.5
282PSL1715	8.1	6.5	8.8	7	9.4	7.5	12.5	13.5	14
282PSL1716	10.6	8.5	11.3	9	12.5	10	16	17.5	18.5
283PSL1717	12	9.6	13.1	10.5	13.8	11	18	20	22
283PSL1718	15	12	16.3	13	17.5	14	23	25	27
284PSL1750	20	16	22	18	23	19	30	33	35
361PSL1613	39	31	44	35	46	37	50	54	58
362PSL1615	39	31	44	35	46	37	55	60	65
431PSL6224	81	65	88	70	95	76	115	125	135
432PSL6228	145	116	156	125	170	136	170	185	195

[General notes on page 33 may apply to this page.](#)
[See available modifications on pages 29-32.](#)



3300Y/1905 Volts
1905 Volts Delta

1500 RPM
NEMA®* Class H Insulation
40°C Ambient
0.8 Power Factor Lagging
DVR®2400 AVR w/PMG Excitation

MAGNAMAX®

Base Model	Ratings @ Designated NEMA Rise									
	Continuous						Standby			
	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
6 Lead, Form Wound Coils and VPI Insulation Systems										
573FSM4352	350	280	425	340	456	365	469	375	488	390
573FSM4354	388	310	475	380	519	415	531	425	550	440
574FSM4356	500	400	625	500	663	530	681	545	706	565
574FSM4358	588	470	731	585	788	630	806	645	838	670
741FSM4360Ⓢ	769	615	913	730	981	785	981	785	1038	830
742FSM4364Ⓢ	963	770	1156	925	1250	1000	1250	1000	1325	1060
742FSM4366Ⓢ	1163	930	1400	1120	1500	1200	1500	1200	1600	1280
743FSM4368Ⓢ	1300	1040	1550	1240	1675	1340	1675	1340	1788	1430
743FSM4370Ⓢ	1425	1140	1750	1400	1900	1520	1900	1520	2050	1640
744FSM4374Ⓢ	1525	1220	1813	1450	2000	1600	2000	1600	2188	1750
744FSM4375Ⓢ	1750	1400	2050	1640	2275	1820	2338	1870	2463	1970
764FSM4377Ⓢ	1875	1500	2250	1800	2500	2000	2563	2050	2688	2150

MAGNAPOWER®

All 1000 frame generators have 4 bus bars, with the capability of differential protection.

Base Model	Ratings @ Designated NEMA Rise									
	Continuous						Standby			
	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
6 Lead, Form Wound Coils and VPI Insulation Systems										
1020FDM1182Ⓢ	2250	1800	2625	2100	2813	2250	2875	2300	2875	2300
1020FDM1184Ⓢ	2500	2000	2800	2240	3000	2400	3000	2400	3000	2400
1030FDM1186Ⓢ	2650	2120	3000	2400	3000	2400	3000	2400	3000	2400
1030FDM1188Ⓢ	2650	2120	3000	2400	3300	2640	3350	2680	3350	2680
1030FDM1190Ⓢ	2813	2250	3250	2600	3438	2750	3500	2800	3500	2800
1030FDM1192Ⓢ	2938	2350	3375	2700	3650	2920	3750	3000	3750	3000

Consult factory for extended ratings.

Medium voltage sensing potential transformers (P/Ts) are not included. For three-phase sensing, a three-phase PT is required.

Price adder may apply.

Ⓢ All 740,760 and 1000 frame generators on this page have 100 ohm platinum winding RTDs as standard equipment.

[General notes on page 33 may apply to this page.](#)

[See available modifications on page 29.](#)

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marathon®

**4-Pole
Three Phase
Medium Voltage
Generators**

**50
Hertz**

**6300Y/3637 Volts
or 3637 Volts Delta**

**1500 RPM
40°C Ambient
0.8 Power Factor Lagging
DVR®2400 AVR w/PMG Excitation**

MAGNAPLUS® Standard Models

NEMA®* Class H Insulation

NOTE: 740 & 760 frame units MUST employ solidly grounded neutral.

Base Model	Ratings @ Designated NEMA Rise									
	Continuous						Standby			
	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
6 Lead, Form Wound Coils and VPI Insulation Systems										
742FSM4460 ①	950	760	1150	920	1250	1000	1250	1000	1325	1060
742FSM4462 ①	1213	970	1425	1140	1550	1240	1575	1260	1625	1300
743FSM4464 ①	1313	1050	1563	1250	1675	1340	1688	1350	1725	1380
743FSM4466 ①	1450	1160	1775	1420	1875	1500	1900	1520	2000	1600
744FSM4470 ①	1550	1240	1850	1480	2000	1600	2025	1620	2100	1680
744FSM4471 ①	1750	1400	2063	1650	2250	1800	2344	1875	2344	1875
764FSM4473 ①	1906	1525	2281	1825	2531	2025	2688	2150	2688	2150

MAGNAPOWER®

NEMA Class F Insulation

All 1000 frame generators have 4 bus bars, with the capability of differential protection.

Base Model	Ratings @ Designated NEMA Rise									
	Continuous						Standby			
	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
6 Lead, 4 Bus Bars, Form Wound Coils and VPI Insulation Systems										
1020FDH1220 ①	1813	1450	2125	1700	N/A	N/A	2313	1850	N/A	N/A
1020FDH1222 ①	2025	1620	2350	1880	N/A	N/A	2563	2050	N/A	N/A
1020FDH1224 ①	2100	1680	2438	1950	N/A	N/A	2650	2120	N/A	N/A
1020FDH1226 ①	2213	1770	2563	2050	N/A	N/A	2788	2230	N/A	N/A
1020FDH1228 ①	2625	2100	3050	2440	N/A	N/A	3325	2660	N/A	N/A
1030FDH1230 ①	2825	2260	3288	2630	N/A	N/A	3575	2860	N/A	N/A
Consult factory for extended ratings.										

Medium voltage sensing potential transformers (P/Ts) are not included. For three-phase sensing, a three-phase PT is required. Price adder may apply.

① All 740,760 and 1000 frame generators on this page have 100 ohm platinum winding RTDs as standard equipment.

[General notes on page 33 may apply to this page.](#)
[See available modifications on page 29.](#)

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**6600Y/3811 Volts
or 3811 Volts Delta**

**1500 RPM
40°C Ambient
0.8 Power Factor Lagging
DVR®2400 AVR w/PMG Excitation**

MAGNAMAX® Standard Models

NEMA®*Class H Insulation

NOTE: 740 & 760 frame units MUST employ solidly grounded neutral.

Base Model	Ratings @ Designated NEMA Rise									
	Continuous						Standby			
	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
6 Lead, Form Wound Coils and VPI Insulation Systems										
742FSM4460①	963	770	1156	925	1250	1000	1250	1000	1325	1060
742FSM4462①	1163	930	1400	1120	1500	1200	1500	1200	1600	1280
743FSM4464①	1300	1040	1550	1240	1675	1340	1675	1340	1788	1430
743FSM4466①	1425	1140	1750	1400	1900	1520	1900	1520	2050	1640
744FSM4470①	1525	1220	1788	1430	2000	1600	2000	1600	2125	1700
744FSM4471①	1750	1400	2050	1640	2275	1820	2338	1870	2463	1970
764FSM4473①	1875	1500	2250	1800	2500	2000	2563	2050	2688	2150

MAGNAPOWER® Standard Models

NEMA Class F Insulation

All 1000 frame generators have 4 bus bars, with the capability of differential protection.

Base Model	Ratings @ Designated NEMA Rise									
	Continuous						Standby			
	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
6 Lead, 4 Bus Bars, Form Wound Coils and VPI Insulation Systems										
1020FDH1220①	1750	1400	2063	1650	N/A	N/A	2250	1800	N/A	N/A
1020FDH1222①	1950	1560	2288	1830	N/A	N/A	2513	2010	N/A	N/A
1020FDH1224①	2038	1630	2413	1930	N/A	N/A	2625	2100	N/A	N/A
1020FDH1226①	2200	1760	2550	2040	N/A	N/A	2763	2210	N/A	N/A
1020FDH1228①	2600	2080	3038	2430	N/A	N/A	3325	2660	N/A	N/A
1030FDH1230①	2763	2210	3238	2590	N/A	N/A	3550	2840	N/A	N/A
Consult factory for extended ratings.										

Medium voltage sensing potential transformers (P/Ts) are not included. For three-phase sensing, a three-phase PT is required. Price adder may apply.

① All 740, 760 and 1000 frame generators on this page have 100 ohm platinum winding RTDs as standard equipment.

[General notes on page 33 may apply to this page.](#)

[See available modifications on page 29.](#)

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marathon®

**4-Pole
Three Phase
Medium Voltage
Generators**

**50
Hertz**

**6900Y/3984 Volts
or 3984 Volts Delta**

**1500 RPM
40°C Ambient
0.8 Power Factor Lagging
DVR®2400 AVR w/PMG Excitation**

MAGNAMAX® Standard Models

NEMA®* Class H Insulation

NOTE: 740 & 760 frame units MUST employ solidly grounded neutral.

Base Model	Ratings @ Designated NEMA Rise									
	Continuous						Standby			
	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
6 Lead, Form Wound Coils and VPI Insulation Systems										
742FSM4460①	900	720	1100	880	1200	960	1200	960	1225	980
742FSM4462①	1150	920	1400	1120	1500	1200	1525	1220	1550	1240
743FSM4464①	1225	980	1475	1180	1600	1280	1600	1280	1675	1340
743FSM4466①	1375	1100	1675	1340	1800	1440	1825	1460	1925	1540
744FSM4470①	1500	1200	1775	1420	1950	1560	2000	1600	2075	1660
744FSM4471①	1719	1375	2000	1600	2188	1750	2313	1850	2313	1850
764FSM4473①	1875	1500	2188	1750	2438	1950	2625	2100	2625	2100

MAGNAPOWER® Standard Models

NEMA Class F Insulation

All 1000 frame generators have 4 bus bars, with the capability of differential protection.

Base Model	Ratings @ Designated NEMA Rise									
	Continuous						Standby			
	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
6 Lead, 4 Bus Bars, Form Wound Coils and VPI Insulation Systems										
1020FDH1220①	1563	1250	1875	1500	N/A	N/A	2063	1650	N/A	N/A
1020FDH1222①	1838	1470	2200	1760	N/A	N/A	2425	1940	N/A	N/A
1020FDH1224①	2000	1600	2375	1900	N/A	N/A	2588	2070	N/A	N/A
1020FDH1226①	2063	1650	2525	2020	N/A	N/A	2750	2200	N/A	N/A
1020FDH1228①	2638	2110	3100	2480	N/A	N/A	3388	2710	N/A	N/A
1030FDH1230①	2775	2220	3275	2620	N/A	N/A	3588	2870	N/A	N/A
Consult factory for extended ratings.										

Medium voltage sensing potential transformers (P/Ts) are not included. For three-phase sensing, a three-phase PT is required. Price adder may apply.

① All 740, 760 and 1000 frame generators on this page have 100 ohm platinum winding RTDs as standard equipment.

[General notes on page 33 may apply to this page.](#)
[See available modifications on page 29.](#)



1500 RPM
NEMA®* Class F Insulation
40°C Ambient
0.8 Power Factor Lagging
DVR®2400 AVR w/PMG Excitation
6 Leads

MAGNAPOWER® Standard Models **10000Y/5774 Volts or 5774 Volts Delta**

Base Model	Ratings @ Designated NEMA Rise					
	Continuous				Standby	
	NEMA B 80°C R/R		NEMA F 105°C R/R		NEMA F 130°C R/R	
	kVA	kW	kVA	kW	kVA	kW
861FSH86152	1075	860	1250	1000	1338	1070
862FSH86154	1281	1025	1481	1185	1600	1280
862FSH86156	1488	1190	1719	1375	1838	1470
863FSH86158	1700	1360	1956	1565	2075	1660
863FSH86160	1875	1500	2169	1735	2313	1850
863FSH86162	2050	1640	2375	1900	2500	2000
1020FDH1240	1500	1200	1725	1380	1881	1505
1020FDH1242	1775	1420	2038	1630	2200	1760
1020FDH1244	1788	1430	2050	1640	2213	1770
1020FDH1246	1825	1460	2063	1650	2225	1780
1020FDH1248	2063	1650	2375	1900	2575	2060
1030FDH1250	2188	1750	2525	2020	2725	2180
1030FDH1252	2188	1750	2525	2020	2725	2180
1030FDH1254	2363	1890	2775	2220	3025	2420

Consult factory for extended ratings.

10500Y/6062 Volts or 6062 Volts Delta

Base Model	Ratings @ Designated NEMA Rise					
	Continuous				Standby	
	NEMA B 80°C R/R		NEMA F 105°C R/R		NEMA F 130°C R/R	
	kVA	kW	kVA	kW	kVA	kW
861FSH86152	1131	905	1313	1050	1413	1130
862FSH86154	1350	1080	1563	1250	1688	1350
862FSH86156	1563	1250	1813	1450	1938	1550
863FSH86158	1788	1430	2063	1650	2188	1750
863FSH86160	1975	1580	2288	1830	2500	2000
863FSH86162	2162	1730	2500	2000	2625	2100
1020FDH1240	1563	1250	1781	1425	1925	1540
1020FDH1242	1850	1480	2100	1680	2250	1800
1020FDH1244	1888	1510	2125	1700	2288	1830
1020FDH1246	1900	1520	2150	1720	2325	1860
1020FDH1248	2075	1660	2388	1910	2588	2070
1030FDH1250	2288	1830	2638	2110	2838	2270
1030FDH1252	2288	1830	2638	2110	2838	2270
1030FDH1254	2425	1940	2863	2290	3138	2510

Consult factory for extended ratings

11000Y/6351 Volts or 6351 Volts Delta

Base Model	Ratings @ Designated NEMA Rise					
	Continuous				Standby	
	NEMA B 80°C R/R		NEMA F 105°C R/R		NEMA F 130°C R/R	
	kVA	kW	kVA	kW	kVA	kW
861FSH86152	1131	905	1313	1050	1413	1130
862FSH86154	1350	1080	1563	1250	1688	1350
862FSH86156	1563	1250	1813	1450	1813	1550
863FSH86158	1788	1430	2063	1650	2188	1750
863FSH86160	1975	1580	2288	1830	2500	2000
863FSH86162	2162	1730	2500	2000	2625	2100
1020FDH1240	1500	1200	1750	1400	1875	1500
1020FDH1242	1775	1420	2063	1650	2188	1750
1020FDH1244	1838	1470	2175	1740	2363	1890
1020FDH1246	1900	1520	2250	1800	2425	1940
1020FDH1248	1975	1580	2375	1900	2588	2070
1030FDH1250	2150	1720	2500	2000	2813	2250
1030FDH1252	2188	1750	2550	2040	2875	2300
1030FDH1254	2500	2000	2913	2330	3200	2560

Consult factory for extended ratings

- High voltage sensing potential transformers (P/Ts) are not included. For three-phase sensing, a three-phase PT is required.
- All 860 and 1000 frame generators on this page have 100 ohm platinum winding RTDs as standard equipment.
- All high voltage generators incorporate form wound coils and VPI insulation systems.
- All 860 and 1000 frame frame generators have 4 bus bars, with the capability of differential protection.
- Consult factory for altitude above 1000 MASL.

[General notes on page 33 may apply to this page.](#)
[See available modifications on page 29.](#)

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marathon®

4-Pole
Three Phase
Generators

50
Hertz

1500 RPM
40°C Ambient
0.8 Power Factor Lagging
DVR®2400 AVR w/PMG Excitation

DATAMAX™

400Y/230 Volts

FEATURES:

- Low Reactance Designs (*Contact factory for other custom reactance value designs)
- 5 Year Warranty
- Other voltage designs available (Contact factory for details)

All 860 & 1000 frame generators have 4 bus bars, with the capability of differential protection.

Base Model	Winding	80°C		105°C		125°C		130°C		150°C	
		kVA	X"d*	kVA	X"d*	kVA	X"d*	kVA	X"d*	kVA	X"d*
4 Bars											
743RSL1352	Random	1275	0.078	1550	0.095	1688	0.103	1688	0.103	1813	0.111
744RSL1354	Random	1513	0.061	1788	0.072	1925	0.077	1925	0.077	2038	0.082
744RSL1356	Random	1763	0.083	2113	0.099	2288	0.108	2338	0.11	2450	0.115
744RSL1359	Random	1788	0.06	2088	0.07	2275	0.077	2313	0.078	2550	0.086
764RSL1364	Random	1875	0.061	2200	0.072	2400	0.079	2500	0.082	2650	0.087
6 Lead, 4 Bus Bars											
862RSL13006	Random	2438	0.091	2750	0.103	3000	0.112	3000	0.112	3188	0.119
1020RDL1309	Random	2563	0.083	3125	0.101	3250	0.105	3313	0.107	3500	0.113
1020RDL1311	Random	2875	0.099	3438	0.118	3563	0.122	3563	0.122	3750	0.129
863FSL13056	Form	2525	0.095	2813	0.105	3125	0.117	3125	0.117	3375	0.126
1020FDL1300	Form	1888	0.109	2200	0.127	2200	0.127	2200	0.127	2200	0.127
1020FDL1302	Form	1950	0.095	2275	0.111	2275	0.111	2275	0.111	2275	0.111
1020FDL1306	Form	2206	0.09	2700	0.111	2738	0.112	2738	0.112	2738	0.112
1020FDL1308	Form	2338	0.096	2788	0.114	2813	0.115	2813	0.115	2813	0.115
1030FDL1310	Form	2550	0.083	3050	0.099	3250	0.105	3288	0.106	3288	0.106

11000Y/6351Y Volts

All 860 & 1000 frame generators have 4 bus bars, with the capability of differential protection.

Base Model	80°C		105°C		130°C	
	kVA	X"d*	kVA	X"d*	kVA	X"d*
Form Wound, 6 Lead, 4 Bus Bars Standard						
861FSH14152	1131	0.114	1313	0.132	1413	0.142
862FSH14154	1350	0.115	1563	0.133	1688	0.144
862FSH14156	1563	0.104	1813	0.121	1938	0.129
863FSH14158	1788	0.094	2063	0.108	2188	0.115
863FSH14160	1975	0.106	2288	0.123	2500	0.134
863FSH14162	2162	0.122	2500	0.141	2625	0.148
1020FDH1440	1500	0.086	1750	0.101	1875	0.108
1020FDH1442	1775	0.102	2063	0.119	2188	0.126
1020FDH1444	1838	0.106	2175	0.125	2363	0.136
1020FDH1446	1900	0.097	2250	0.115	2425	0.124
1020FDH1448	1975	0.096	2375	0.115	2588	0.125
1030FDH1452	2188	0.086	2550	0.101	2875	0.113
1030FDH1454	2500	0.084	2913	0.097	3200	0.107
Consult factory for extended ratings.						

- High voltage sensing potential transformers (P/Ts) are not included. For three-phase sensing, a three-phase PT is required.
- All 860 and 1000 frame generators on this page have 100 ohm platinum winding RTDs as standard equipment.
- All high voltage generators incorporate form wound coils and VPI insulation systems.
- Consult factory for altitude above 1000 masl.

[General notes on page 33 may apply to this page.](#)
[See available modifications on page 29.](#)

marathon®

50
Hertz

**4-Pole
Three Phase
Generators**

**1500 RPM
NEMA®* Class H Insulation
40°C Ambient
Shunt (Non-PMG) Excitation
SE350E AVR**

MAGNASELECT®

- The MAGNASELECT® Rental Line generators feature modular design rotary cam switches with solid metal shafts for durable, trouble free service.
- Premounted Voltage Change Switch saves assembly time and money.
- Silver plated contacts and the high tension springs inside the switch guarantee solid connections under rough conditions.
- Generator output terminals are clearly labeled and mounted on the switch for ease of connection to your distribution system. All switches are UL, CE and UL – Canada rated.
- Bolt-on PMG option available
- Maximum amperage determined using a parallel low WYE connection.
- Regulator adjustment may be required for lower voltage operations.

**Products are application specific
and require an application
review for proper sizing.**

Consult factory for assistance.



[General notes on page 33 may apply to this page.](#)
[See available modifications on page 29.](#)

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marathon®

**4-Pole
Three Phase
Generators**

**50
Hertz**

1500 RPM
NEMA®* Class H Insulation
0.8 Power Factor Lagging
Dripcover as Required by Marine Agency
DVR®2400 AVR with PMG

MARINE AGENCY CERTIFIED GENERATORS

- Marine Agency certification available (ABS®* / Lloyd's Register®* / DNV-GL®*)
- NEMA Class H Non-hygroscopic Insulation Systems
- Space Heaters standard on all frame sizes
- All generators include PMG excitation support
- For certification by other Marine Agencies, contact factory for availability and pricing

MARINER®

Base model	NEMA Class F			NEMA Class H		
	kVA Ratings @ 95°C R/R over 50°C Ambient			kVA Ratings @ 110°C R/R over 45°C Ambient		
	220Y	380Y	400Y	220Y	380Y	400Y
12 Lead Reconnectable with Link board Standard						
363PSL3127	90	100	100	101	113	113
431PSL6252	121	140	135	130	143	141
431PSL6254	143	160	160	151	166	165
431PSL6256	150	186	183	161	200	193
431PSL6258	183	200	200	195	210	210
432PSL6260	191	235	240	210	256	251
432PSL6262	245	256	256	260	270	271
433PSL6266	241	325	310	265	245	331
433PSL6270	285	355	350	310	375	368
12 Lead Reconnectable with Bus Bars Standard						
572RSL6325	306	438	425	331	469	450
572RSL6327	356	450	463	363	475	494
572RSL6329	331	506	506	381	550	531
572RSL6331	431	513	525	469	563	563
573RSL6333	519	669	656	556	700	688
573RSL6335	469	663	669	513	738	706
574RSL6337	519	700	725	569	769	794

MAGNAMAX®

Base model	NEMA Class F			NEMA Class H		
	kVA Ratings @ 95°C R/R over 50°C Ambient			kVA Ratings @ 110°C R/R over 45°C Ambient		
	220Y	380Y	400Y	220Y	380Y	400Y
4 Bar						
574RSL4038	Not Normally Used	713	738	Not Normally Used	831	850
575RSL4044		900	900		963	963
740RSL4046		981	1000		1125	1150
742RSL4048		1075	1088		1181	1200
742RSL4050		1200	1250		1363	1450
743RSL4052		1513	1450		1650	1550
744RSL4054		1525	1575		1750	1788
744RSL4056		1859	1909		2063	2113
744RSL4058		1913	1975		2013	2088

- ABS witness testing may not be required for units rated below 125 kVA.
- Required information at time of order placement: Vessel Name/Hull Number, shipyard, nameplate ratings, and mounting arrangements.
- Winding RTD's are required on Mobil Offshore Drilling Units (MODU) for units rated 400 kV (500 kVA) and above.
- Winding RTD's are required on all units rated 1000 Volts and above.

[General notes on page 33 may apply to this page.](#)
[See available modifications on page 29-32.](#)

* The following trademarks are not owned by or under the control of Marathon Electric LLC: ABS is a trademark or tradename of American Bureau of Shipping; Lloyd's Register is a tradename of Lloyd's Register Group Limited; NEMA is a trademark or trade name of National Electrical Manufacturers Association.

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RATINGS

Marine Agency Classification Requirements for Certification of Shipboard Generators

Subject	American Bureau Of Shipping (ABS)	Lloyd's Register Of Shipping	DNV • GL
Minimum Rating Requiring Certification	125 kVA	125 kVA	125kVA
Ambient Temperature	45° C	45° C	45° C
Temperature Rise	110° C	110° C	110° C
Embedded ③ Temperature Detectors	Required for all units 1 kV and over	Required for propulsion systems only	Required for all units 1000 kW and over
Space Heaters	Required	Not Specified ①	Required
Sustain Short Circuit Current in Percent (%) Rated F.L. Current	300% for 2 Sec.	300% for 2 Sec.	300% for 2 Sec.
Drip Cover or Minimum Enclosure Required	IP22	IP23	IP23
Fixed Termination of Load Leads ②	Not Specified	Required	Required
Shaft Material Test ③	Propulsion Only	Required	Required

Notes: ① Not required by Agency Rules, but strongly advised.

② Generator load leads must be terminated on a fixed terminal such as a bus bar, link board or insulated stand-off.

③ Requires generator to be a build-up

• For generators requiring certification by agencies other than those listed in the above table, please consult factory.



MARINER®
DEP/SS

Designed for Marine Diesel
Electric Propulsion and Ship
Service applications.

FEATURES AND BENEFITS

- 450 kVA - 2500 kVA w/Engine Specific Power Nodes
- Supports SCR and IGBT Propulsion Systems
- Fully Taped, Form Coil, 100% VPI, 4kV, Class H, Non-hygroscopic Insulation System
- Exciter Assembly Over Dimensioned for Durability
- Hardened Steel Surge Ring with Coil Spacers
- Rotor Design Lowers Rotor Temperatures
- Bolt-in, Replaceable Bearing Well
- Subtransient Reactance of 12% - 14%
- Enclosures: IP23 + SOLAS, and IP54 TEWAC
- Design: IMB20 / IM 1101 raised foot
- Shaft end: Cylindrical shaft suitable for mounting customers coupling
- Three differential CT's mounted on Generator Neutral, 5 amp secondary, C100 class
- Oversized Terminal Box
- Space heater single phase, 110 or 220V
- Marathon® DVR®2400 AVR, 3 phase sensing with Mil RFI Suppression (supplied loose)
- Manual Voltage Control (supplied loose)
- Cross Current CT (supplied loose)
- Stator RTD's, 2 per phase, 100 ohm Platinum
- Bearing RTD's, 1 per bearing, 100 ohm Platinum
- PMG - 300% short circuit Fault Clearing
- Anti-friction Bearings on DE / NDE, Re-greasable, L10 life of 40,000 hrs
- Marine Certification for ABS/ DNV, BV, Lloyds

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**4-Pole
Generators**

**50
Hertz**

HAZARDOUS DUTY GENERATORS

Products are application specific and require an application review for proper sizing. Consult factory for assistance.

MAGNAPLUS®

**Shunt (Non-PMG) Excitation
SE350E Voltage regulator shipped loose**



Shown with optional
Hydraulic Adaption

STANDARD FEATURES:

- **Dual Certification**
 - ATEX®** Zone 2
 - CSA®** Class I, Div 2, Groups A, B, C, & D, Temp Code T3 (200°C)
- 282-284 Frame Two-Bearing and Single-Bearing Designs
- Marine tested HARSH DUTY windings for use in harsh industrial or environmental applications

OPTIONAL FEATURES:

- Integral Hydraulic Adaption
 - Limited to $\leq 34\text{kW}$ due to mechanical limitations
 - SAE B or SAE C Mounting Flange. 0.88-13T or 1.25-14T internal splined shaft
- Contact factory for Pricing and Availability of Optional Certification
 - IECEx®** Zone 2, Temperature Code T3 (200°C), nA nC
- Space heaters are not available

Available in

- Dedicated Single Phase, 4 Leads, 110 Volt or 220/110 Volt
- Three Phase, 12 Leads, 0.8 Power Factor
- 12 lead generators can be reconnected for single phase service.

MAGNAMAX®

DVR®2400 AVR w/ PMG Excitation

STANDARD FEATURES:

- 80°C Maximum Rise by Resistance at 40°C Ambient
- Two Bearing Close-Coupled Adapter
- 100 Ohm Platinum Winding and Bearing RTDs
- Current Transformers for Metering (3) and Paralleling (1)

Dual Certification:

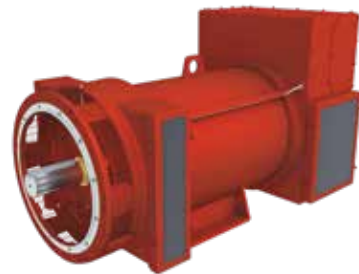
- ATEX® Zone 2, Temperature Code T3, nA nC
- CSA® Class 1 Group A, B, C, D, Division 2/Zone 2, Group IIA, IIB, IIC Temperature Code T3

OPTIONS:

- Voltages: 110 thru 1000V
- IP23 Single Bearing - or - IP23 or IP44 Double Bearing
- Random or Form Wound available

Optional Certification:

- Marine (ex. ABS®*, DNV-GL, Lloyds®*)
- IECEx® Zone 2, Temperature Code T3, nA nC



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RATINGS



LIGHT TOWER APPLICATIONS

NEMA®* Class F Insulation
40°C Ambient
1.0 Power Factor

Pancake

Base model	rpm	Voltage	kVA @ 80°C R/R	kVA @ 105°C R/R
4 Leads				
201CSA5411	1800	240/120 or 120	5.4	6
201CSA5420	1800	240/120 or 120	7.2	8
201CSA5422	1500	220/110 or 110	5.4	6

CSA models are SAE 5



200Y or 400Y Volts
400Y Volts

1000 RPM
NEMA®* Class H Insulation
40°C Ambient
0.8 Power Factor Lagging
DVR®2400 AVR w/PMG Excitation

MAGNAMAX®

Base model	Ratings @ Designated NEMA Rise									
	Continuous						Standby			
	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	
	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA
12 Leads, 200Y or 400Y Volts										
572RSL0120	128	160	144	180	160	200	160	200	170	213
572RSL0122	160	200	185	231	200	250	200	250	210	263
572RSL0124	200	250	230	288	250	313	250	313	260	325
573RSL0126	240	300	275	344	300	375	300	375	315	394
573RSL0128	320	400	365	456	400	500	400	500	420	525
574RSL0130	400	500	460	575	500	625	500	625	525	656
6 Leads, 400Y Volts										
742RSL0132	480	600	550	688	600	750	600	750	630	788
742RSL0134	640	800	735	919	800	1000	800	1000	840	1050
743RSL0136	800	1000	915	1144	1000	1250	1000	1250	1050	1313
744RSL0138	960	1200	1100	1375	1200	1500	1200	1500	1260	1575

Contact your sales representative for lead time and available agency options.

[General notes on page 33 may apply to this page.](#)
[See available modifications on page 29.](#)

*NEMA is a trademark or trade name of National Electrical Manufacturers Association and is not owned by or under the control of Marathon Electric LLC.

**4-Pole
Three Phase
Generators**

**50
Hertz**

DRILL RIG DUTY GENERATORS

1500 RPM
NEMA®* Class H Insulation
40°C Ambient
DVR®2400 AVR with PMG

MAGNAMAX® Standard Models

400Y/230 Volts

Base Model	NEMA B 80°C R/R			
	0.7 P.F. Lagging		0.8 P.F. Lagging	
	kVA	kW	kVA	kW
4 Bar				
573FSL4202	400	280	450	360
574FSL4204	500	350	575	460
742FSL4208	700	490	800	640
743FSL4210	800	560	900	720
743FSL4212	900	630	1025	820
744FSL4214	1000	700	1138	910
744FSL4216	1200	840	1375	1100
744FSL4218	1300	910	1500	1200

Models include VPI insulation (on main stator, exciter stator, exciter rotor, and PMG stator), form wound main stator coil construction, PMG excitation support, IP22 dripcover, and space heaters as standard equipment. All models are specially designed to accept heavy SCR (Thyristor) loading.

**4-Pole
Three Phase
Generators**

**50
Hertz**

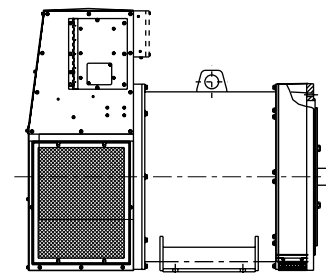
CRANE DUTY GENERATORS

Marathon Crane Duty AC generators are designed for Rubber-Tired Gantry Cranes or other mobile/stationary crane applications.

MAGNAMAX® Standard Models

STANDARD FEATURES:

- Form wound main stator coils with special VPI insulation system (VPI also on exciter stator, exciter rotor, and PMG stator).
- 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.



[General notes on page 33 may apply to this page.](#)

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RATINGS

50
Hertz

**4-Pole
Three Phase
Generators**

RAIL DUTY GENERATORS

MECHANICAL DESIGN

- Variable speed / constant speed
- Compact size
- Customized



ELECTRICAL DESIGN

- Optimized for the drive system
 - Active / Passive rectification
 - AC / DC Drive systems
 - Constant engine speed 1500 or 1800 RPM
 - Variable engine speed 900 to 2100 RPM
 - Voltage / Current range Optimization
- Rail duty Optimized insulation systems

**Head end power (Constant speed),
50 Hz, 1500 RPM, 200/400 V
0.8 Power Factor Lagging**

Frame	kVA @ 105°C R/R
431-433	145-380
571-575	495-975
741-744	1030-1800

**Propulsion power,
50 Hz, 1500 RPM, 200/400 V
0.8 Power Factor Lagging**

Frame	Max kVA @ 105°C R/R
571-575	up to 975
741-744	up to 1800
1020-1030	up to 3000

**Manufacturing Rail Generators For
Over 50 Years**

marathon®

Modification Section: Generators

Modification	Description	280	360	430	570	740
Adapters	GM 7.4/5.7 L	⊗	●	⊗	⊗	⊗
	Two-bearing close-coupled	⊗	⊗	⊗	▲	▲
Air Filters	Reduce catalog ratings 5% if equipped with filters	⊗	⊗	⊗	●	●
Oversized Conduit Box	Consult factory for available options.	●	⊗	⊗	⊗	⊗
Drip Cover	IP22 or IP23, shipped loose for 280 frame, 360 frame SAE #1 no IP22	●	●	●	●	●
Foot Options	Low rise on 360 & 430 frame sizes	⊗	●	●	⊗	⊗
	Non-standard feet	⊗	⊗	⊗	▲	▲
Hazardous Duty	CSA®* Certified for Class I, Group A, B, C, D, Div. 2 / Zone 2 Group IIA, IIB, IIC					
	Temperature Code T3. Generator must be selected at 80°C rise.					
	Space Heaters available on 430-740 frame only, Temperature code will be T2B	●	⊗	●	●	●
	Regulator shipped loose for remote mounting					
	Excludes 286 frame					
Non-standard paint finish	Gray primer is standard. Other finish options will incur an upcharge.	●	●	●	●	●
Pilot Shaft	(Use with CAT engines) Pilot Diameters (3.148", 3.935", 4.723", & 5.116")	⊗	⊗	⊗	●	●
PMG Excitation	SE350 or SE350EL - see model list for availability	■	■	■	⊗	⊗
	Permanent Magnet Generator & PM500 Regulator - see model list for availability	●	●	●	■	⊗
	Permanent Magnet Generator & DVR®2400 Regulator- see model list for availability	●	●	●	●	■
	Permanent Magnet Generator & DVR®2500 Regulator - see model list for availability	●	●	●	●	●
Space Heaters 240 / 120V	Watts vary by frame size	● 84W	● 250W	● 250W	● 500W	● 1000W
West Coast Crating	Additional product protection during shipping	●	●	●	⊗	⊗
Custom Nameplate	Custom designed nameplate	●	●	●	●	●
Stator RTD	MagnaMax	⊗	⊗	●	●	●
Bearing RTD	MagnaMax	⊗	⊗	●	●	●
Current Transformer	Paralleling, Metering, or Differential	⊗	⊗	⊗	●	●
Sensing Transformer	15VA up to 4160V, with 240V secondary for DVR (1Ph) Regulators	Discontinued				
Sensing Transformer	3 Phase 15VA/phase up to 7200V, with 120V or 230V secondary for DVR (3Ph) Regulators	⊗	⊗	⊗	●	●
Sensing Transformer	Consult Factory for voltages above 7200 V	▲	▲	▲	▲	▲
4 Bus Bar	572-574Fr (480-600V)	⊗	⊗	⊗	●	⊗
6 Bus Bar	572-574Fr (480-600V)	⊗	⊗	⊗	●	⊗
6 Bus Bar	740-744Fr (480-600V)	⊗	⊗	⊗	⊗	●
4 Bus Bar	573-574Fr (600-6600V)	⊗	⊗	⊗	●	⊗
4 Bus Bar	741-744Fr (600-6600V)	⊗	⊗	⊗	⊗	●
6 Bus Bar	741-744Fr (600-6600V)	⊗	⊗	⊗	⊗	●

■ standard ⊗ not available ▲ consult sales rep for additional information ● Optional; upcharge may apply, depending on model

* available on Mariner / Harsh Duty

Modification	Description
Adapters	Non-STD SAE XG's
Circuit Breaker	Three Pole (80% rated)
Export Crating	Freight not included. See freight policy. Add up to two weeks to lead time
Hydraulic Drive	SAE B or C mounting flange with 13 tooth (0.88"-13T) or 14 tooth (1.25"-14T) internal splined shaft. 34kW mechanical limit.
Instrument Panel	Meter panel, selector switch and current transformers
Special Insulation	Std on Mariner / Harsh Duty models. Other units: Contact sales.
Special Windings	MagnaMax / MagnaPower
Manual Voltage Control	MVC 300 for DVR (shipped loose)

We understand that OEMs may have special requirements for their alternator needs.

For large / ongoing contracts, we can provide special modifications, including those listed here.

Please note: minimum order quantities apply. Contact sales for details.

*CSA is a trademark of CSA Group and is not owned by or under the control of Marathon Electric LLC.

Modification Section: 280 Frame MagnaPlus® Generators

Includes: standard connection box, gray primer and mylar nameplate

Available Mods: drip covers (IP22 or IP23) - shipped loose, space heater - shipped loose, oversized box, black paint

	Adaption										Regulator			Bolt-On PMG Compatible
Adapter Size	5	5	5	4	4	4	4	3	3	2Brg	SE350 SE350EL	PM500	DVR2400	
Coupling Size	6.5	7.5	8	6.5	7.5	8	10	10	11.5					
Three phase, 190 Volts - 440 Volts, 12 Lead														
282PSL1704	STD	STD	opt	opt	opt	opt	opt	opt	opt	n/a	STD	n/a	n/a	yes
282PSL1705	opt	STD	opt	opt	STD	opt	STD	opt	opt	n/a	STD	n/a	n/a	yes
283PSL1706	opt	STD	opt	opt	STD	opt	STD	opt	opt	n/a	STD	mod	mod	yes
283PSL1707	opt	opt	opt	opt	STD	opt	STD	opt	STD	n/a	STD	mod	mod	yes
284PSL1708	opt	opt	opt	opt	opt	opt	STD	opt	STD	n/a	STD	mod	mod	yes
284PSL1742	opt	opt	opt	opt	STD	opt	STD	opt	STD	n/a	STD	mod	mod	yes
285PSL1700	opt	opt	opt	opt	opt	opt	STD	opt	opt	n/a	STD	mod	mod	yes
286PSL1701	opt	opt	opt	opt	STD	opt	opt	opt	STD	n/a	STD	mod	mod	yes

Single phase, 110 Volts - 220 Volts, 4 Lead														
282PSL1714	STD	opt	opt	opt	opt	opt	opt	opt	opt	n/a	STD	n/a	n/a	no
282PSL1715	opt	opt	opt	opt	STD	opt	opt	opt	opt	n/a	STD	n/a	n/a	no
282PSL1716	opt	opt	opt	opt	STD	opt	opt	opt	opt	n/a	STD	n/a	n/a	no
283PSL1717	opt	opt	opt	opt	STD	opt	opt	opt	opt	n/a	STD	mod	mod	yes
283PSL1718	opt	opt	opt	opt	STD	opt	opt	opt	opt	n/a	STD	mod	mod	yes
284PSL1750	opt	opt	opt	opt	STD	opt	opt	opt	opt	n/a	STD	mod	mod	yes

Mariner / Harsh Duty														
282PSL28043	opt	opt	opt	opt	STD	opt	opt	opt	opt	STD	STD	mod	mod	yes
283PSL28045	opt	opt	opt	opt	STD	opt	opt	opt	opt	STD	STD	mod	mod	yes
284PSL28047	opt	opt	opt	opt	opt	opt	opt	opt	STD	STD	STD	mod	mod	yes
285PSL28048	opt	opt	opt	opt	opt	opt	opt	opt	STD	n/a	STD	mod	mod	yes

STD = standard model

opt = optional adaption at no charge

mod = upcharge for modification

Note - OS Box required for PM500 and DVR

Modification Section: 360 Frame MagnaPlus® Generators

Includes: standard connection box, gray primer and mylar nameplate

Available Mods: drip cover IP22 (Not available on SAE #1), drip cover IP23, space heater, black paint

	Adaption												Regulator			Bolt-On PMG Compat- ible
Adapter Size	4	4	4	3	3	3	2	2	1	1	GM	2Brg	SE350 SE350EL	PM500	DVR2400	
Coupling Size	7.5	8	10	8	10	11.5	10	11.5	11.5	14	mod					
Three phase, 190 Volts - 440 Volts, 12 Lead																
361PSL1600	opt	opt	STD	opt	opt	STD	opt	opt	opt	n/a	mod	n/a	STD	mod	mod	yes
361PSL1601	STD	opt	STD	opt	opt	STD	opt	opt	opt	n/a	mod	n/a	STD	mod	mod	yes
361PSL1602	opt	opt	STD	opt	opt	STD	opt	opt	opt	n/a	mod	n/a	STD	mod	mod	yes
362PSL1604	opt	opt	opt	opt	opt	STD	opt	opt	opt	n/a	mod	n/a	STD	mod	mod	yes
362PSL1606	opt	opt	opt	opt	opt	STD	opt	opt	opt	n/a	mod	n/a	STD	mod	mod	yes
363PSL1607	opt	opt	opt	opt	opt	STD	opt	opt	opt	n/a	mod	n/a	STD	mod	mod	yes
364PSL1608	opt	opt	opt	opt	opt	STD	opt	opt	opt	n/a	mod	n/a	STD	mod	mod	yes
364PSL1609	opt	opt	opt	opt	opt	STD	opt	opt	opt	n/a	mod	n/a	STD	mod	mod	yes

Single phase, 110 Volts - 220 Volts, 4 Lead																
361PSL1613	opt	opt	opt	opt	opt	STD	opt	opt	opt	n/a	mod	n/a	STD	mod	mod	yes
362PSL1615	opt	opt	opt	opt	opt	STD	opt	opt	opt	n/a	mod	n/a	STD	mod	mod	yes
363PSL1617	opt	opt	opt	opt	opt	STD	opt	opt	opt	n/a	mod	n/a	STD	mod	mod	yes

Mariner / Harsh Duty																
361PSL3120	opt	opt	opt	opt	opt	STD	opt	opt	opt	n/a	mod	STD	STD	mod	mod	yes
361PSL3121	STD	opt	opt	opt	opt	STD	opt	opt	opt	n/a	mod	STD	STD	mod	mod	yes
361PSL3122	opt	opt	opt	opt	opt	STD	opt	opt	opt	n/a	mod	STD	STD	mod	mod	yes
362PSL3124	opt	opt	opt	opt	opt	STD	opt	opt	opt	n/a	mod	STD	STD	mod	mod	yes
362PSL3126	opt	opt	opt	opt	opt	STD	opt	opt	opt	n/a	mod	STD	STD	mod	mod	yes
363PSL3127	opt	opt	opt	opt	opt	STD	opt	opt	opt	STD	mod	STD	STD	mod	mod	yes

Marine Agency Certified Generators Models																
363PSL3127	opt	opt	opt	opt	opt	STD	opt	opt	opt	n/a	mod	C/F	n/a	mod	STD	yes

STD = standard model

opt = optional adaption at no charge

mod = upcharge for modification

C/F= Call Factory

Modification Section: 430 Frame MagnaPlus® Generators

Includes: standard connection box, gray primer and mylar nameplate

Available Mods: drip cover IP22, drip cover IP23, space heater, black paint

	Adaption							Regulator			Bolt-On PMG Compatible
Adapter Size	3	3	2	2	1	1	2Brg LS	SE350 SE350EL	PM500	DVR2400	
Coupling Size	10	11.5	10	11.5	11.5	14					
Three phase, 190 Volts - 440 Volts, 12 Lead											
431PSL6202	opt	STD	opt	opt	opt	STD	n/a	STD	mod	mod	yes
431PSL6204	opt	STD	opt	opt	opt	STD	n/a	STD	mod	mod	yes
431PSL6206	opt	STD	opt	STD	opt	STD	n/a	STD	mod	mod	yes
431PSL6208	opt	opt	opt	STD	opt	opt	n/a	STD	mod	mod	yes
432PSL6210	opt	STD	opt	STD	opt	STD	n/a	STD	mod	mod	yes
432PSL6212	opt	STD	opt	opt	opt	STD	n/a	STD	mod	mod	yes
433PSL6216	opt	opt	opt	STD	opt	STD	n/a	STD	mod	mod	yes
433PSL6220	opt	opt	opt	opt	opt	STD	n/a	STD	mod	mod	yes

Single phase, 110 Volts - 220 Volts, 4 Lead											
431PSL6224	opt	STD	opt	opt	opt	opt	n/a	STD	mod	mod	yes
431PSL6226	opt	STD	opt	opt	opt	opt	n/a	STD	mod	mod	yes
432PSL6228	opt	STD	opt	opt	opt	opt	n/a	STD	mod	mod	yes

Mariner / Harsh Duty											
431PSL6252	opt	opt	opt	STD	opt	opt	n/a	STD	mod	mod	yes
431PSL6254	opt	STD	opt	STD	opt	opt	STD	STD	mod	mod	yes
431PSL6256	opt	opt	opt	STD	opt	STD	n/a	STD	mod	mod	yes
431PSL6258	opt	opt	opt	STD	opt	opt	STD	STD	mod	mod	yes
432PSL6260	opt	opt	opt	STD	opt	STD	n/a	STD	mod	mod	yes
432PSL6262	opt	opt	opt	STD	opt	opt	STD	STD	mod	mod	yes
433PSL6266	opt	opt	opt	opt	opt	STD	n/a	STD	mod	mod	yes
433PSL6270	opt	opt	opt	opt	opt	STD	STD	STD	mod	mod	yes

Marine Agency Certified Generators Models											
431PSL6252	opt	opt	opt	STD	opt	opt	C/F	n/a	mod	STD	yes
431PSL6254	opt	STD	opt	opt	opt	opt	C/F	n/a	mod	STD	yes
431PSL6256	opt	opt	opt	STD	opt	opt	C/F	n/a	mod	STD	yes
431PSL6258	opt	opt	opt	STD	opt	opt	C/F	n/a	mod	STD	yes
432PSL6260	opt	opt	opt	STD	opt	opt	C/F	n/a	mod	STD	yes
432PSL6262	opt	opt	opt	opt	opt	STD	C/F	n/a	mod	STD	yes
433PSL6266	opt	opt	opt	opt	opt	STD	C/F	n/a	mod	STD	yes
433PSL6270	opt	STD	opt	opt	opt	opt	C/F	n/a	mod	STD	yes

STD = standard model

opt = optional adaption at no charge

mod = upcharge for modification

C/F= Call Factory

General Notes

- A. All base models listed (except 1000 frame MAGNAPOWER® models) are single bearing. 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® products have Class H insulation. LIMA®MAC products have Class H insulation on the rotor, and Class F insulation on the stator. MAGNAPOWER® products have Class H insulation for 4160V and below, and Class F insulation for above 4160V. Pancake products have Class F insulation. 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 MG1-32.6. 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 or 4 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 factory.
- E. Pancake AVR and MAGNAPLUS® products are shunt-excited (non-PMG) generators. The automatic voltage regulator derives input power from the generator's output leads.
- F. MAGNAMAX® and MAGNAPOWER® generators incorporate a permanent magnet generator (PMG) as the input power source for the voltage regulator.
- G. MAGNAMAX® and MAGNAPOWER® form wound coil generators include VPI insulation on main stator only.

Technical Data

Mounting Arrangement Cross Reference

Adapter Size	Coupling Size	Available in Frame Sizes					
		MagnaPlus	MagnaMax			Pancake	Lima Mac
		280 - 430	570	740	760	330	260
5	6.5	"See pages 30-32 for adaption"				Std.	Std.
5	7.5					Std.	Std.
5	8						*
4	6.5					Std.	Std.
4	7.5					Std.	Std.
4	8						*
4	10						*
3	8						
3	10						
3	11.5						
2	10						
2	11.5						
1	11.5						
1	14			Std.			
1	ACDelco 17.75			Std.			
1/2	ACDelco 17.75			Std.			
1/2	14			Std.			
0	ACDelco 17.75			Std.	Std.		
0	14			Std.			
0	18			Std.	Std.		
00	18			Std.	Std.	Std.	
00	21				Std.	Std.	

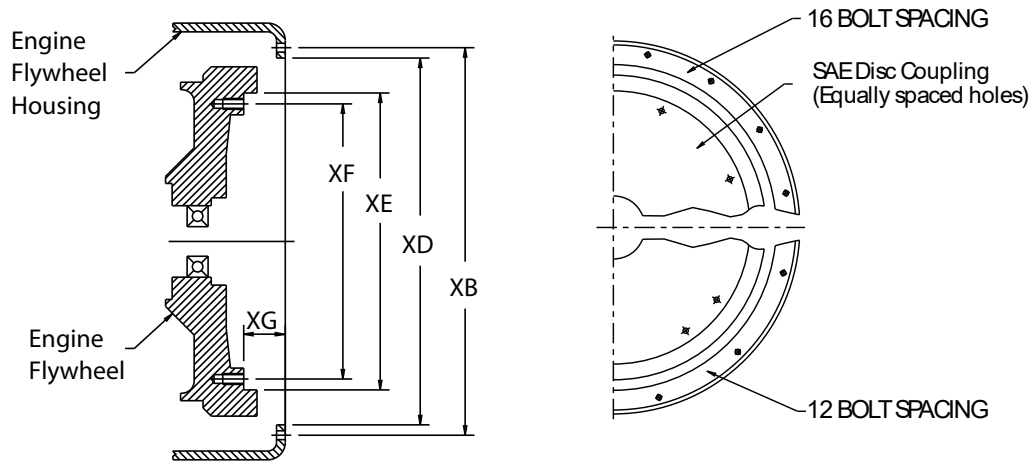
STD = Standard adaption available at no additional cost

*-Available as loose Kit

Dimensions & Weights

in inches and (millimeters)

Standard SAE Dimensions



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 (648)	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	17.625 (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 (286)	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 (216)	7.88 (200)	1.19 (30)	6	5/16-18

MARINER®
HARSH DUTY®

Mariner & Harsh Duty Net Weight in kilograms

Base Model	Weight
282PSL28043	134
283PSL28045	166
284PSL28047	198
285PSL28048	218
361PSL3120	235
361PSL3121	258
361PSL3122	281
362PSL3124	320
362PSL3126	361
363PSL3127	428

Base Model	Weight
431PSL6252	553
431PSL6254	594
431PSL6256	642
431PSL6258	660
432PSL6260	764
432PSL6262	798
433PSL6266	1014
433PSL6270	1018

Base Model	Weight
572RSL6325	1238
572RSL6327	1288
572RSL6329	1383
572RSL6331	1411
573RSL6333	1542
573RSL6335	1642
574RSL6337	1851

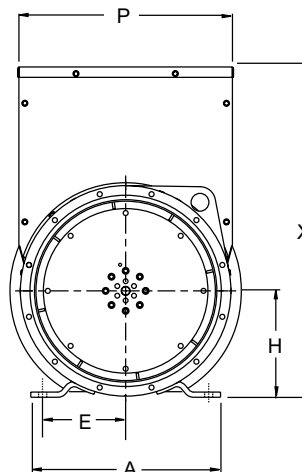
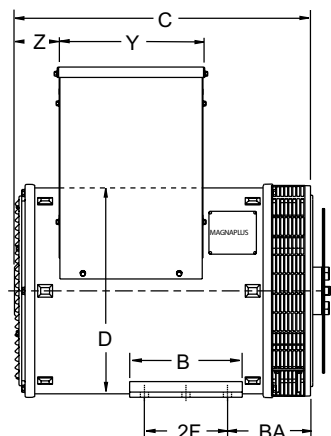
marathon®

Dimensions & Weights

in inches and (millimeters)

MAGNAPLUS® Generators

ALL DIMENSIONS ARE APPROXIMATE: Contact factory for full dimensional data.



280-430 frame

Frame Size	A	B	BA	C	C with PMG	D	E	2F	H	P	X	Y	Z
282	14.00	7.00	6.56	18.50	23.10	13.64	6.25	5.00	8.00	13.55	18.56	8.93	3.42
	(356)	(178)	(167)	(470)	(587)	(346)	(159)	(127)	(203)	(344)	(471)	(227)	(87)
283	14.00	7.00	6.56	20.50	25.10	13.64	6.25	5.00	8.00	13.55	18.56	8.93	3.42
	(356)	(178)	(167)	(521)	(638)	(346)	(159)	(127)	(203)	(344)	(471)	(227)	(87)
284	14.00	7.00	6.56	22.75	27.40	13.64	6.25	5.00	8.00	13.55	18.56	8.93	3.42
	(356)	(178)	(167)	(578)	(696)	(346)	(159)	(127)	(203)	(344)	(471)	(227)	(87)
285	14.00	7.00	6.56	25.00	29.60	13.64	6.25	5.00	8.00	13.55	18.56	8.93	3.42
	(356)	(178)	(167)	(635)	(752)	(346)	(159)	(127)	(203)	(344)	(471)	(227)	(87)
286	14.00	7.00	11.56	27.00	31.60	13.64	6.25	5.00	8.00	13.55	18.56	8.93	3.42
	(356)	(178)	(294)	(686)	(803)	(346)	(159)	(127)	(203)	(344)	(471)	(227)	(87)
361	16.00	9.50	7.00	24.96	27.56	17.35	7.00	7.00	9.00	18.19	27.85	12.44	3.52
	(406)	(241)	(178)	(634)	(700)	(441)	(178)	(178)	(229)	(462)	(707)	(316)	(89)
362	16.00	9.50	7.00	28.59	31.18	17.35	7.00	7.00	9.00	18.19	27.85	12.44	3.52
	(406)	(241)	(178)	(726)	(792)	(441)	(178)	(178)	(229)	(462)	(707)	(316)	(89)
363	16.00	9.50	10.50	31.72	34.29	17.35	7.00	7.00	9.00	18.19	27.85	12.44	3.52
	(406)	(241)	(267)	(806)	(871)	(441)	(178)	(178)	(229)	(462)	(707)	(316)	(89)
364	16.00	9.50	10.50	34.92	37.28	17.35	7.00	7.00	9.00	18.19	27.85	12.44	3.52
	(406)	(241)	(267)	(887)	(947)	(441)	(178)	(178)	(229)	(462)	(707)	(316)	(89)
431	21.46	15.00	10.00	33.89	38.27	22.64	9.00	11.00	13.00	24.97	36.10	16.00	2.66
	(545)	(381)	(254)	(861)	(972)	(575)	(229)	(279)	(330)	(634)	(917)	(406)	(68)
432	21.46	15.00	10.00	37.39	41.77	22.64	9.00	11.00	13.00	24.97	36.10	16.00	2.66
	(545)	(381)	(254)	(950)	(1061)	(575)	(229)	(279)	(330)	(634)	(917)	(406)	(68)
433	21.46	15.00	10.00	42.39	46.77	22.64	9.00	11.00	13.00	24.97	36.10	16.00	2.66
	(545)	(381)	(254)	(1077)	(1188)	(575)	(229)	(279)	(330)	(634)	(917)	(406)	(68)

Must have minimum clearance of 6 inches (153) for air flow in to the generator. Additional clearance may be required for servicing.

MagnaPlus Net Weight in kilograms

Base Model	Weight
282PSL1704	122
282PSL1705	134
282PSL1714	107
282PSL1715	120
282PSL1716	131
282PSL5249	134
283PSL1706	152
283PSL1707	166
283PSL1717	150
283PSL1718	163
283PSL5250	152

Base Model	Weight
283PSL5251	166
284PSL1708	184
284PSL1742	198
284PSL1750	195
284PSL5252	184
284PSL5253	198
285PSL1700	218
286PSL1701	272
361PSL1600	235
361PSL1601	258

Base Model	Weight
361PSL1602	281
361PSL1613	284
361PSL1633	258
361PSL1634	281
362PSL1604	320
362PSL1606	361
362PSL1615	353
362PSL1635	320
362PSL1636	361
363PSL1607	428

Base Model	Weight
363PSL1617	421
363PSL1658	428
364PSL1608	493
364PSL1609	497
431PSL6202	553
431PSL6204	594
431PSL6206	642
431PSL6208	660
431PSL6224	581
431PSL6226	726

Base Model	Weight
431PSL6240	553
431PSL6242	642
431PSL6243	660
432PSL6210	764
432PSL6212	798
432PSL6228	780
432PSL6246	798
433PSL6216	1014
433PSL6220	1018
433PSL6248	1018

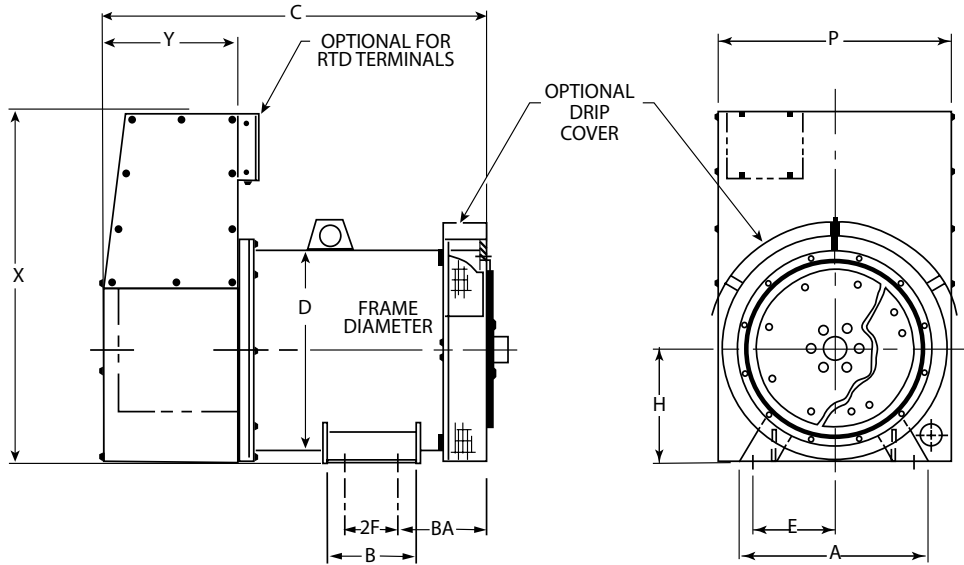
marathon®

Dimensions & Weights

in inches and (millimeters)

MAGNAMAX® Generators

ALL DIMENSIONS ARE APPROXIMATE: Contact factory 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)	38.08 (967)	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)	38.08 (967)	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)	38.08 (967)	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)	38.08 (967)	51.45 (1307)	21.24 (539)
764	33.00 (838)	41.00 (1041)	14.52 (369)	87.32 (2218)	34.24 (870)	15.00 (381)	37.00 (940)	19.00 (483)	38.27 (972)	51.57 (1310)	22.76 (578)

- Notes:
- Connection boxes shown are furnished as standard product. Consult factory for optional connection boxes.
 - Must have a minimum clearance of 6 inches (153) for air flow into the conduit box. However, additional clearance may be required for servicing.

Dimensions & Weights

in inches and (millimeters)

MAGNAMAX® Generators

ALL DIMENSIONS ARE APPROXIMATE: Contact factory for full dimensional data

Net Weight in kilograms

Model	Weight
573FSL4202	1542
573FSL4402	1542
574FSL4204	1656
574FSL4404	1656
742FSL4208	2676
742FSL4408	2676
743FSL4210	2948
743FSL4212	3130
743FSL4410	2948
743FSL4412	3130
744FSL4060	3311
744FSL4062	3765
744FSL4214	3311
744FSL4216	3765
744FSL4218	4037
744FSL4414	3765
573FSM4304	1311
573FSM4306	1374
573FSM4326	1311
573FSM4328	1374
573FSM4352	1311
573FSM4354	1374
574FSM4308	1601
574FSM4310	1837
574FSM4330	1601
574FSM4356	1601
574FSM4358	1837
574FSM4380	1656
741FSM4314	2404
741FSM4334	2404
741FSM4360	2404
741FSM4382	2540
742FSM4316	2767
742FSM4318	3130
742FSM4336	2767
742FSM4338	3130
742FSM4364	2767
742FSM4366	3130
742FSM4384	2767
742FSM4386	2948
742FSM4388	3130

Model	Weight
743FSM4320	3402
743FSM4322	3719
743FSM4340	3402
743FSM4342	3719
743FSM4368	3402
743FSM4370	3719
743FSM4390	3402
743FSM4392	3719
744FSM4344	4218
744FSM4345	4237
744FSM4374	4237
744FSM4375	4237
744FSM4394	4218
744FSM4395	4218
764FSM4347	4327
764FSM4377	4327
764FSM4397	4327
573FSS4224	1542
574FSS4226	1656
743FSS4232	2948
743FSS4234	3130
744FSS4236	3311
744FSS4238	3765
744FSS4240	3901
572RSL0120	930
572RSL0122	1000
572RSL0124	1135
572RSL4160	1238
572RSL4162	1288
572RSL6425	1238
572RSL6427	1288
572RSL6429	1383
572RSL6431	1411
573RSL0126	1350
573RSL0128	1550
573RSL4164	1542
573RSL6433	1542
573RSL6435	1642
574RSL0130	1880
574RSL6437	1851
574RSL6438	1923

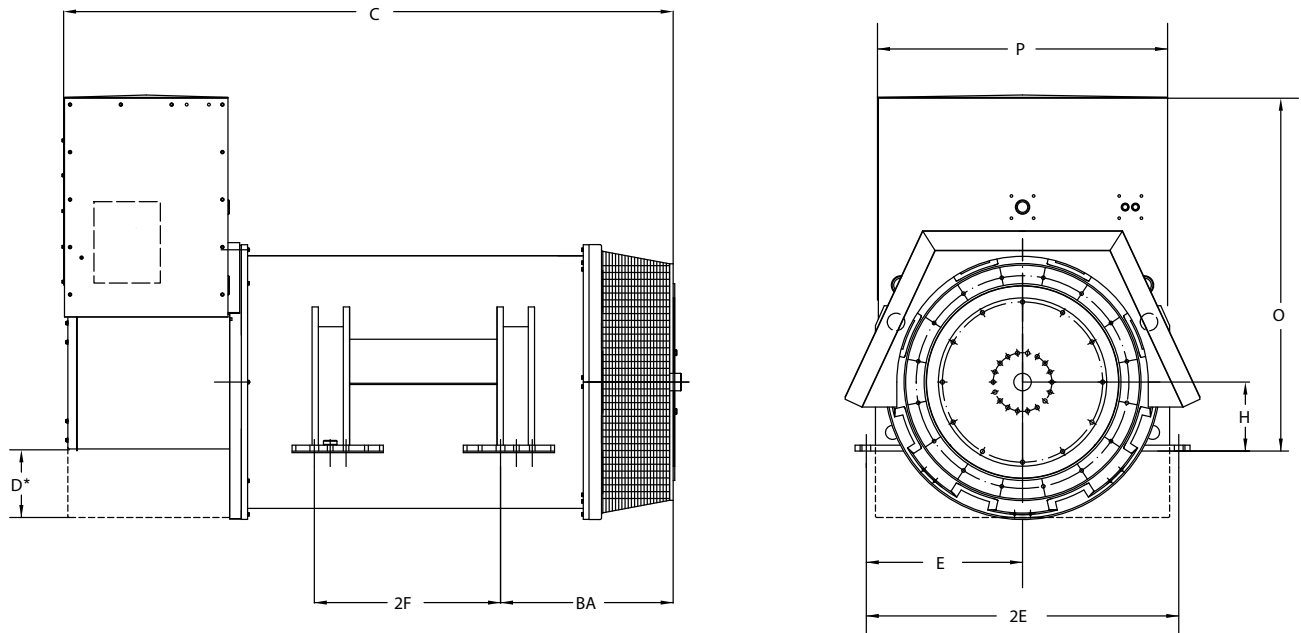
Model	Weight
574RSL4038	1923
574RSL4166	1851
574RSL4168	1923
575RSL4044	2268
740RSL4046	2359
741RSL4044	2490
741RSL4170	2490
742RSL0132	2943
742RSL0134	3374
742RSL4048	2858
742RSL4050	3279
742RSL4172	2858
742RSL4286	2699
743RSL0136	3950
743RSL4052	3538
743RSL4174	3538
744RSL0138	4237
744RSL4054	3901
744RSL4056	4418
744RSL4057	4418
744RSL4059	4418
744RSL4176	3901
764RSL4063	4507
764RSL4177	3990
572RSS0140	943
572RSS0142	1012
572RSS0144	1134
572RSS4270	1288
572RSS4272	1411
573RSS0146	1373
573RSS0148	1564
574RSS0150	1896
742RSS0152	2967
742RSS0154	3393
743RSS0156	3973
743RSS4288	3279
743RSS4290	3538
744RSS0158	4257
744RSS4292	3901
744RSS4293	4418
764RSS4295	4507

Dimensions & Weights

in inches and (millimeters)

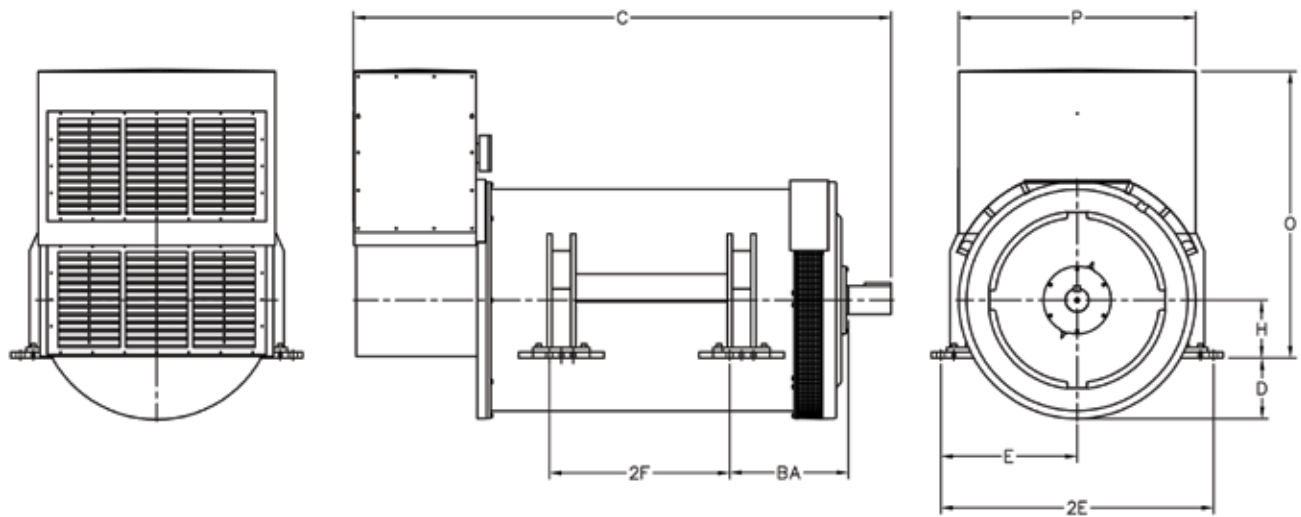
MAGNAPOWER® Generators

ALL DIMENSIONS ARE APPROXIMATE: Contact factory for full dimensional data



Frame Size	C	BA	2F	E	2E	H	O	P	D*
861	96.0 (2438)	27.2 (691)	29.3 (745)	24.6 (625)	49.2 (1250)	10.9 (276)	56.1 (1425)	45.7 (1161)	29.33 (2661)
862	102.7 (2608)	27.2 (691)	34.3 (870)	24.6 (625)	49.2 (1250)	10.9 (276)	56.1 (1425)	45.7 (1161)	29.33 (2661)
863	108.9 (2766)	27.2 (691)	39.4 (1000)	24.6 (625)	49.2 (1250)	10.9 (276)	56.1 (1425)	45.7 (1161)	29.33 (2661)

D* LOW VOLTAGE ONLY



Frame Size	BA	C	D	E	2E	2F	H	O	P
1020	25.03 (636)	107.89 (2740)	12.78 (325)	28.75 (730)	57.50 (1460)	31.00 (787)	12.25 (311)	60.47 (1536)	50.00 (1270)
1030	25.03 (636)	113.36 (2879)	12.78 (325)	28.75 (730)	57.50 (1460)	38.00 (965)	12.25 (311)	60.47 (1536)	50.00 (1270)

- Notes:
- Connection boxes shown are furnished as standard product. Consult factory for Optional connection boxes.
 - Must have a minimum clearance of 6 inches (153) for air flow into the conduit box. However, additional clearance may be required for servicing.

Dimensions & Weights

in inches and (millimeters)

MAGNAPOWER® Generators

ALL DIMENSIONS ARE APPROXIMATE: Contact factory for full dimensional data

Net Weight in kilograms

Model	Weight
861FSH86172	4800
862FSH86174	5345
862FSH86176	5850
862RSL86006	6251
863FSL86056	6577
863FSH86178	5975
863FSH86180	6780
863FSH86182	7099
1020FDL1100	6804
1020FDL1102	7212
1020FDL1104	7394
1020FDL1106	7711
1020FDL1108	7893
1020RDL1109	7620
1020RDL1111	7802
1020FDH1200	5987
1020FDH1202	6214

Model	Weight
1020FDH1204	6577
1020FDH1240	6350
1020FDH1242	6441
1020FDH1244	6566
1020FDH1246	6759
1020FDH1248	7031
1020FDM1182	7121
1020FDM1184	7212
1020FDM5320	6577
1020FDM5322	7212
1020FDM5324	7620
1020FDM5332	7212
1020FDM5334	7620
1020FDM5336	8119
1020FDS1120	7183
1020FDS1120	7183
1020FDS1124	8097

Model	Weight
1030FDL1110	9072
1030FDH1206	7530
1030FDH1208	7620
1030FDH1250	7348
1030FDH1252	8029
1030FDH1254	8165
1030FDM1186	7666
1030FDM1188	7756
1030FDM1190	8119
1030FDM1192	8210
1030FDM5326	8119
1030FDS1126	9015
1030FDS1128	9072

Net Weight in kilograms

Base Model	Weight
1020FDH1440	6350
1020FDH1442	6441
1020FDH1444	6566
1020FDH1446	6759
1020FDH1448	7031
1030FDH1452	8029
1030FDH1454	8165
1020FDL1300	6804
1020FDL1302	7212
1020FDL1306	7711
1020FDL1308	7893
1030FDL1310	9072
861FSH14152	4800

Base Model	Weight
862FSH14154	5345
862FSH14156	5850
863FSH14158	5975
863FSH14160	6780
863FSL13056	6577
743RSL1352	3538
744RSL1354	3901
744RSL1356	4418
744RSL1359	4418
764RSL1364	4507
862RSL13006	6251
1020RDL1309	7620
1020RDL1311	7802

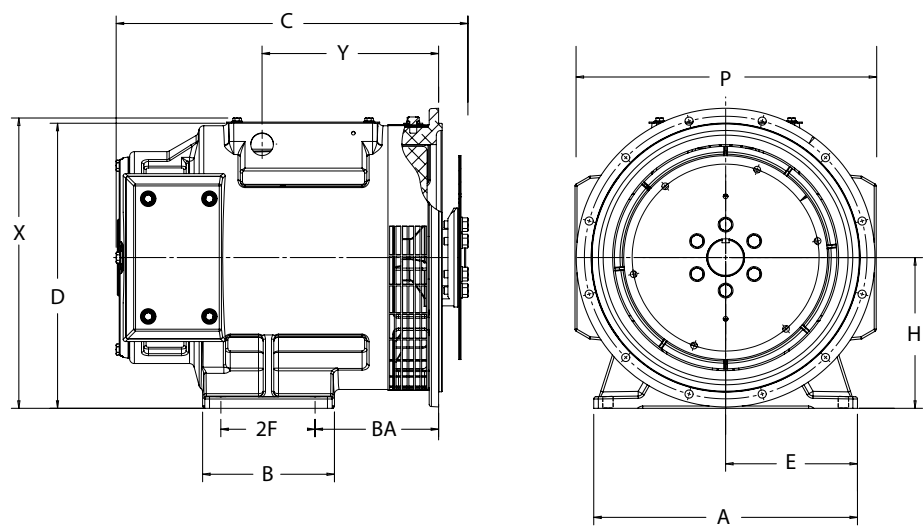
DATAMAX® Generators

Dimensions & Weights

LIMA® MAC Irrigator

in inches and (millimeters)

ALL DIMENSIONS ARE APPROXIMATE: Contact factory for full dimensional data



Base Model	Weight (kg)
260MSL1054	92
260MSL1055	114
260MSL1056	115

260 LIMA MAC Generator

Frame Size	A	B	BA①	C①	D	E	2F	H	P	X	Y
260	14.00 (356)	7.00 (178)	6.56 (167)	18.49 (470)	15.14 (384)	7.00 (178)	5.00 (127)	8.00 (203)	15.99 (406)	15.41 (391)	9.37 (238)

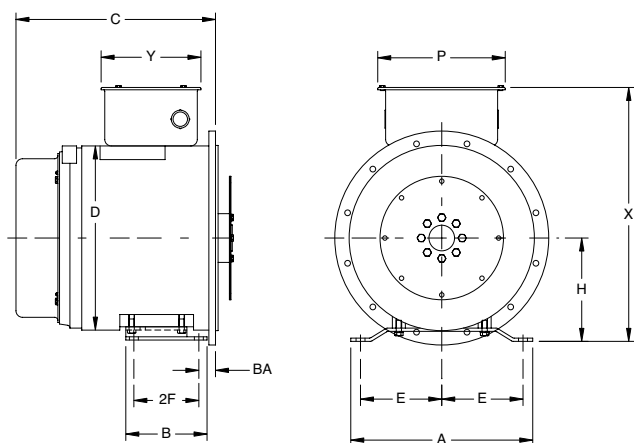
Notes: ① This dimension will vary dependent upon adaption used.

Dimensions & Weights

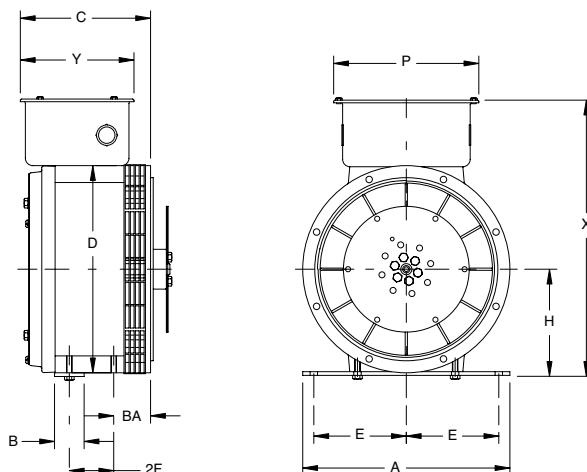
in inches and (millimeters)

ALL DIMENSIONS ARE APPROXIMATE: Contact factory for full dimensional data

Pancake (AVR and Capacitor)



AVR Ratings 331-334 Frames



Capacitor Ratings 201 Frames

Type	Frame Size	A	B	C	D	E	H	P	X	Y	BA	2F
Pancake AVR	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)
Pancake Capacitor	201CSA5411	8.17 (208)	4.0 (102)	9.72 (247)	10.75 (273)	3.3 (84)	6.92 (176)	8.62 (219)	15.69 (399)	4.15 (113)	2.5 (63.5)	3.0 (76)
	201CSA5420	8.17 (208)	4.0 (102)	10.71 (272)	10.75 (273)	3.3 (84)	6.92 (176)	8.62 (219)	15.69 (399)	4.15 (113)	2.5 (63.5)	3.0 (76)
	201CSA5422	8.17 (208)	4.0 (102)	10.71 (272)	10.75 (273)	3.3 (84)	6.92 (176)	8.62 (219)	15.69 (399)	4.15 (113)	2.5 (63.5)	3.0 (76)

Pancake AVR

Base model	Weight (kg)
331	57
332	65
333	87
334	97

Pancake Capacitor

Base model	Weight (kg.)
201CSA5411	50
201CSA5420	58
201CSA5422	58

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 1000 meters elevation or where the temperature of the ventilating air to the generator exceeds 40°C, 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.

Note: When a NEMA®* class of insulation is specified, additional derating of kW available may be necessary. Per NEMA MG 1-2011, Part 32.6: For successful operation of generators in ambient temperatures higher than 40°C, the temperature rises... shall be reduced by the number of degrees that the ambient temperature exceeds 40°C.

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 factory for recommendations.

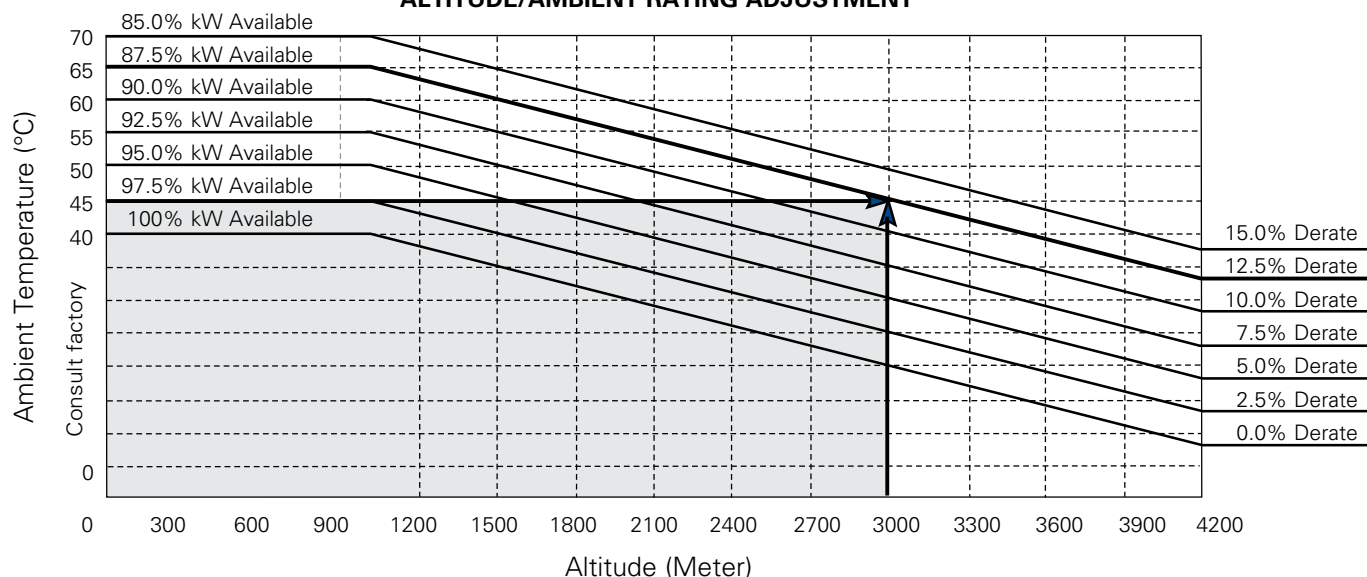
HIGH HUMIDITY AND TROPICAL CLIMATE - In moist or humid areas such as the Tropics, coastal areas, and all marine service, additional protection is recommended. Although the standard windings are humidity and moisture resistant, space heaters are required for these environments.

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 factory 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 factory for application assistance.

ALTITUDE/AMBIENT RATING ADJUSTMENT



Example:

Elevation: 3000 Meter
Ambient: 45°C
Required Derate: 12.5%
Catalog Rating x .875

Example:

NEMA B class of insulation is specified in a 45°C ambient.
Maximum allowable temperature rise is reduced from 80°C to 75°C.

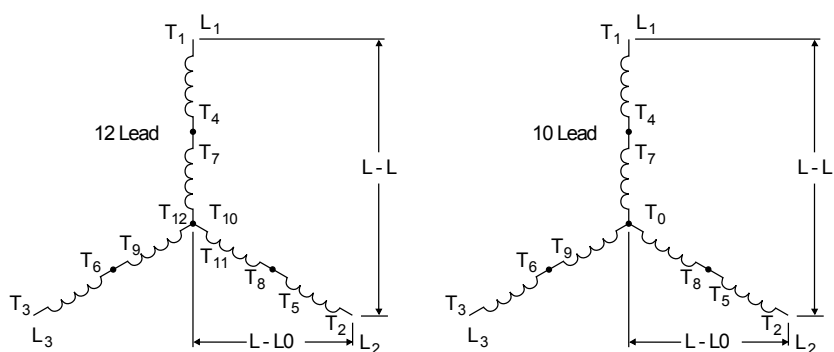
*NEMA is a trademark or trade name of National Electrical Manufacturers Association and is not owned by or under the control of Marathon Electric LLC

marathon®

Technical Data

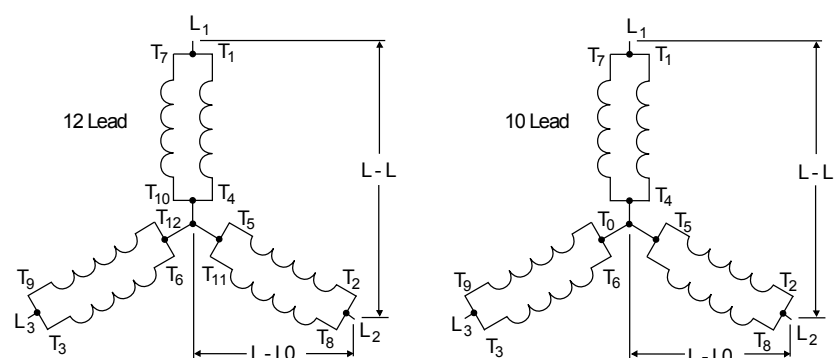
Connection Diagrams

SERIES HIGH WYE



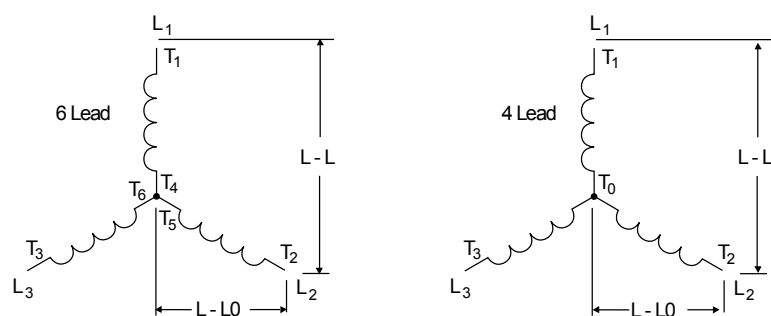
Voltage		
HZ	L-L	L-L0
60	380	219
	416	240
	440	254
	460	266
	480	277
	600	346
50	380	219
	400	231
	415	240
	440	254

PARALLEL LOW WYE



Voltage		
HZ	L-L	L-L0
60	190	110
	208	120
	220	127
	230	133
	240	139
50	190	110
	200	115
	208	120
	220	127

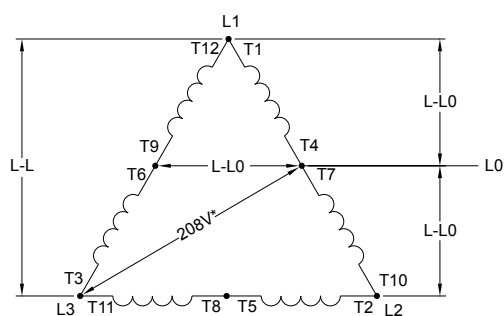
WYE



Voltage		
HZ	L-L	L-L0
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

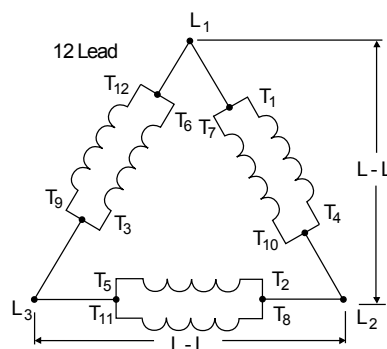
SERIES HIGH DELTA

Voltage		
HZ	L-L	L-L0
60*	240	120
50	200	100
	220	110
	240	120



PARALLEL LOW DELTA

Voltage	
HZ	L-L
60	110
	120
50	100
	110

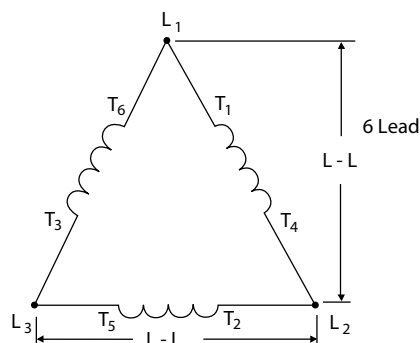


Technical Data

Connection Diagrams

DELTA

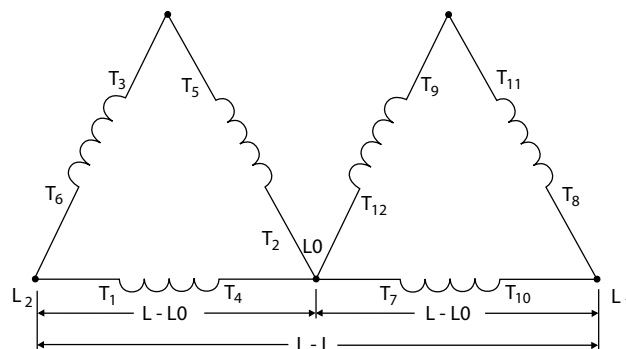
Voltage		
HZ	L-L	
60	2402	
	7967	
50	1905	
	6351	



DOUBLE DELTA

Single Phase Connection ①

Voltage			
HZ	L-L	L-L0	
60	200	100	
	220	110	
	240	120	
50	220	110	

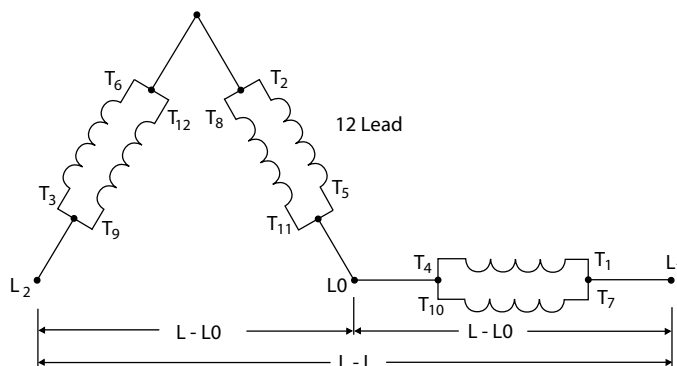


PARALLEL

LOW ZIGZAG

Single Phase Connection ①

Voltage			
HZ	L-L	L-L0	
60	200	100	
	220	110	
	240	120	
50	220	110	

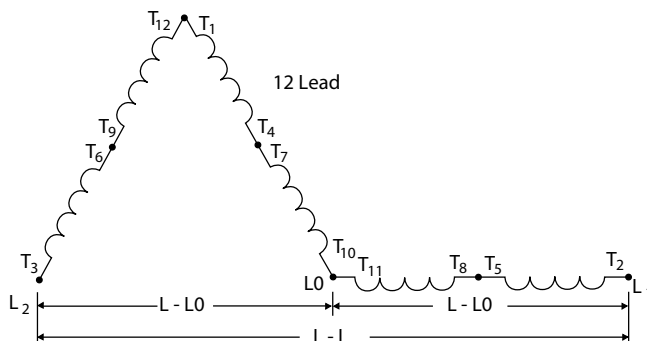


SERIES

HIGH ZIGZAG

Single Phase Connection ①

Voltage			
HZ	L-L	L-L0	
60	480	240	
50	440	220	



① 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	
	SE350E	SE350EL	DVR®2400	PM500	DVR®2500	AVC63-12
Analog Input	No	No	Yes	Yes	Yes	Yes
Min. Exciter Field Resistance Ohms	15.0	15.0	18.0	15.0	18.0	5.25
Voltage Regulation No Load to Full Load	1.0%	1.0%	0.25%	0.25%	0.25%	0.5%
Underspeed Protection	Yes	Yes	Yes	Yes	Yes	Yes
Overexcitation Protection	Yes	Yes	Yes	Yes	Yes	Yes
EMI / RFI Filtering ①	Yes	Yes	Yes	Yes	Yes	Yes
Unit Mounted Voltage Adjust	Std.	Std.	Std.	Std.	Std.	Std.
Overvoltage Protection	No	No	Std.	Std.	Std.	No
Encapsulated	Yes	Yes	Yes	Yes	Yes	Yes
Paralleling ③	Opt④	Opt④	Std.	Std.	Std.	Std.
Line Drop Compensation	No	No	No	No	No	Yes
VAR/PF Controller	No	No	No	No	Yes	Opt⑤
Input Power - VAC	240	120 or 240②	PMG	PMG	PMG	120
Cont. Output - ADC	3.5	3.5	4.0	5.0	4.0	12.0
Cont. Output - VDC	63	63	100	85	100	63
Sensing Input - VAC	190-240	85-120 190-240②	100-600	175-280 330-515 420-660	100-600	Option B: 180-264
Sensed Voltage	Average	Average	RMS	RMS	RMS	Average
Sensing Frequency (Hz)	50/60	50/60	50/60	50/60	50/60	Option 1: 50/60 2: 400
Generator Current Limiting Protection	No	No	No	No	No	No
AVR Condition LEDs	No	No	Yes	No	Yes	No
3 Phase Sensing	No	No	Yes	Yes	Yes	Yes
1 Phase Sensing	Yes	Yes	Yes	Yes	Yes	Yes
Loss of Sensing Protection	Yes ⑥	Yes ⑥	Yes	No	Yes	No
300% Short Circuit Protection	No	No	Yes	Yes	Yes	No

① With regulator mounted in generator conduit box.

② Depends on switch position.

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 VAR/PF Module.

⑥ 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.

General Formulas

Generator Formulas ①

Desired Data	Single Phase	Three Phase
Kilo Volt Amperes (kVA)	$\frac{\text{Volts} \times \text{Amps}}{1000}$ or $\frac{\text{kW}}{\text{P.F.}}$	$\frac{\sqrt{3} \times \text{Volts} \times \text{Amps}}{1000}$ or $\frac{\text{kW}}{\text{P.F.}}$
Kilowatts (kW)	$\frac{\text{Volts} \times \text{Amps} \times \text{P.F.}}{1000}$ or $\text{kVA} \times \text{P.F.}$	$\frac{\sqrt{3} \times \text{Volts} \times \text{Amps} \times \text{P.F.}}{1000}$ or $\text{kVA} \times \text{P.F.}$
Power Factor (P.F.)	$\frac{\text{kW}}{\text{kVA}}$	$\frac{\text{kW}}{\text{kVA}}$
Amperes When kW is Known	$\frac{\text{kW} \times 1000}{\text{Volts} \times \text{P.F.}}$	$\frac{\text{kW} \times 1000}{\sqrt{3} \times \text{Volts} \times \text{P.F.}}$
Amperes When kVA is Known	$\frac{\text{kVA} \times 1000}{\text{Volts}}$	$\frac{\text{kVA} \times 1000}{\sqrt{3} \times \text{Volts}}$
Minimum HP Required for Prime Mover	$\frac{\text{kW}}{\text{Alternator Efficiency} \times 0.746}$	
Frequency (Hz)	$\frac{\text{Number of Poles} \times \text{RPM}}{120}$	
Revolutions Per Minute (RPM)	$\frac{\text{Hz} \times 120}{\text{Number of Poles}}$	
Number of Poles	$\frac{\text{Hz} \times 120}{\text{RPM}}$	

① P.F. = Power Factor

Agency Information

Matrix of Generator and AVR Approvals & Markings

Pancake	CE**	CSA**	UL**
201 Capacitor	N	Y	N
332-334	N	Y	N

MAGNAMAX® Generator	CE	CSA	UL
431-433 MV	N	Y	N
572-575 MV	N	Y	N
741-764 MV	N	Y	N

MAGNAMAX® Generator	CE	CSA	UL
572-575 LV	Y	Y	Y
740-764 LV	Y	Y	Y

MAGNAPLUS® Generator	CE	CSA	UL
281-287	Y	Y	Y
361-364	Y	Y	Y
431-433	Y	Y	Y

MAGNAPOWER® Generator	CE	CSA	UL
1020 - 1030 LV	Y	Y	Y
1020 - 1040 MV	N	Y	N
1020 - 1040 HV	N	Y	N

LIMA®MAC Generator	CE	CSA	UL
260	Y	N	N

AVR	CE	CSA	UL Certified for Canada Component	UL Recognized
SE350E Regulator	N	Y	N	Y
SE350EL Regulator	Y	N	Y	Y
PM500 Regulator	Y	N	Y	Y
AVC63-12 B1 & B2 Regulator	Y	Y	N	Y
DVR®2400 Regulator	Y	Y	N	Y
DVR®2500 Regulator	Y	Y	N	Y



UL Listing Mark - MAGNAMAX® and MAGNAPLUS® units complete with regulator and conduit box and rated at 600 volts max. Our UL Certification file number is E218422. Go to www.ul.com and select the link titled "Find a product certification" and then register to access their Product iQ online directory or log on if already registered; then enter E218422 in the search box and click on JZGZ.E218422 for a complete list of certified products.



UL Listing Mark for the U.S. and Canada – Applies to certain MagnaPLUS units in frame sizes 283, 284, 285, and 286 that are specifically Listed for Class 1, Division 2 hazardous locations. Our UL certification file number is E12044. Go to www.ul.com and select the link titled "Find a product certification" and then register to access their Product iQ online directory or log on if already registered; then enter E12044 in the search box and click on PSPO.E218422 for a complete list of certified products.



UL Recognized Component Mark - 1) MAGNAMAX and MAGNAPLUS units but without conduit box and/or regulator. 2) MAGNAPOWER® units with or without regulator This applies to units rated 600 V or less. Our UL Certification File number is E218422. Go to www.ul.com and select the link titled "Find a product certification" and then register to access their Product iQ online directory or log on if already registered; then enter E218422 in the file number search box and click on JZGZ.E218422 for a complete list of certified products. 3) Voltage regulators – same search details but using file number E222903; click on FTMP2.E222903 for a complete list of certified products.



CSA Certification Mark - Applies to majority of MAGNAPOWER, MAGNAMAX and MAGNAPLUS units. Our CSA Certification File number is LR2025 for MAGNAMAX and MAGNAPOWER units and LR9401 for MagnaPlus units. Go to www.csagroup.org and select the Certified Product Listing link and enter either 002025 or 009401 in the file number search box, Class 4211-01 covers generators, Class 3211-06 covers voltage regulators.



CSA Certification Mark for Canada and the US - Applies to certain MAGNAMAX, MAGNAPLUS, and MAGNAPOWER units that are specifically Certified for Class 1, Division 2 hazardous locations. Our CSA Certification File number is LR21839. Go to www.csagroup.org and select the Certified Product Listing link and enter 021839 in the file number search box and select the link under CSA Class No. 4228-81.



ATEX** symbol - Signifies compliance to the European ATEX Directive which applies to equipment for use in potentially explosive atmospheres. Special construction; available for Zone 2 only. Applies to 282-285 MAGNAPLUS® and 431-744 MAGNAMAX® generators. Third party certification is through CSA Group Netherlands B.V., generators are nameplated "Ex ec" (Increased Safety protection method) and "IIC" (covers Gas Groups IIA, IIB, IIC) and "T3" (Operating Temperature Code (T3= surface temperatures less than 200°C).



CE Marking - An acronym for the French "Conformite Europeene"; this marking is required on certain equipment imported to European Union countries based on individual Directives (Laws). MAGNAMAX, MAGNAPLUS, and LIMA®MAC units complete in every aspect of construction, and rated 1000 volts or less, carry the CE marking, based on the Low Voltage Directive.

IMPORTANT INFORMATION

Please Read Carefully

This catalog is not intended to provide operational instructions. Appropriate Marathon® generator instructions provided with the generator and precautions attached to the generator should be read carefully prior to installation, operations and/or maintenance of the equipment. Injury to personnel or generator failure may be caused by improper installation, maintenance or operation.

The following **WARNING!** and **CAUTION!** information is supplied for your protection and to provide you with many years of trouble free and safe operation of your Marathon generator.

"WARNING" indicates a hazardous situation that, if not avoided, could result in death or serious injury and "CAUTION" indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.

⚠ WARNING

- Buyer shall be solely responsible for determining the adequacy of the product for any and all uses to which Buyer shall apply the product. The application by Buyer shall not be subject to any implied warranty of fitness for a particular purpose.
- For safety, Buyer or User should provide protective guards over all shaft extensions and any moving apparatus mounted thereon. The User is responsible for checking all applicable safety codes in his area and providing suitable guards. Failure to do so may result in bodily injury and/or damage to equipment.
- Hot oil can cause severe burns. Use extreme care when removing lubrication plugs.
- Disconnect power and lock out drive equipment before working on a generator.
- Always keep hands and clothing away from moving parts.
- The lifting eyes on the generator are not to be used to lift the entire generator set. Only the generator may be safely lifted by the lifting eyes. Do not use the conduit box for lifting or support of the generator.
- Install and ground the generator per local and national codes.
- Discharge all capacitors before servicing the generator.
- Misapplication of a generator in a hazardous environment can cause fire or an explosion and result in serious injury.
- Never attempt to measure the temperature rise of a generator by touch. Temperature rise must be measured by thermometer, resistance, imbedded detector or thermocouple.
- Operation of a generator at higher than its nameplate ratings may result in fire, damage to equipment or serious injury to personnel.

⚠ CAUTION

- Do not apply any force to the generator fan when rotating the generator rotor.
- Mounting bolts should be routinely checked to ensure that the unit is firmly anchored for proper operation.
- Consult qualified personnel with questions. All electrical repairs must be performed by trained and qualified personnel only.
- Generators should not be operated faster than their rated speed.
- For inverter applications, follow the inverter manufacturer's installation guidelines.
- Make sure the generator is properly secured and aligned before operation.
- When installing the generator, insure that loose parts or tools do not fall inside the generator.
- When connecting the generator, be sure to follow the correct wiring diagram for the desired voltage. Ensure that the voltage regulator is connected per the wiring diagram.

Resale of Goods

In the event of the resale of any of the goods, in whatever form, Resellers/Buyers will include the following language in a conspicuous place and in a conspicuous manner in a written agreement covering such sale:

The manufacturer makes no warranty or representations, express or implied, by operation of law or otherwise, as to the merchantability or fitness for a particular purpose of the goods sold hereunder. Buyer acknowledges that it alone has determined that the goods purchased hereunder will suitably meet the requirements of their intended use. In no event will the manufacturer be liable for consequential, incidental or other damages. Even if the repair or replacement remedy shall be deemed to have failed of its essential purpose under Section 2-719 of the Uniform Commercial Code, the manufacturer shall have no liability to Buyer for consequential damages.

Resellers/Buyers agree to also include this entire document including the cautions and warnings above in a conspicuous place and in a conspicuous manner in writing to instruct users on the safe usage of the product.

This information should be read together with all other printed information supplied by Marathon Electric.

For more information contact:

Marathon Electric LLC

100 E. Randolph St., Wausau, WI 54401

Phone: 715-675-3359

Freight Policy

All prices are quoted F.O.B. Marathon Electric's factory or warehouse in Monterrey, Mexico; Wausau, WI; or Indianapolis, IN, dependent upon plant of manufacture.

Customers may use any one of the following methods for shipment:

- 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 with a percentage (%) adder applied to the net generator and accessory price.

Notes:

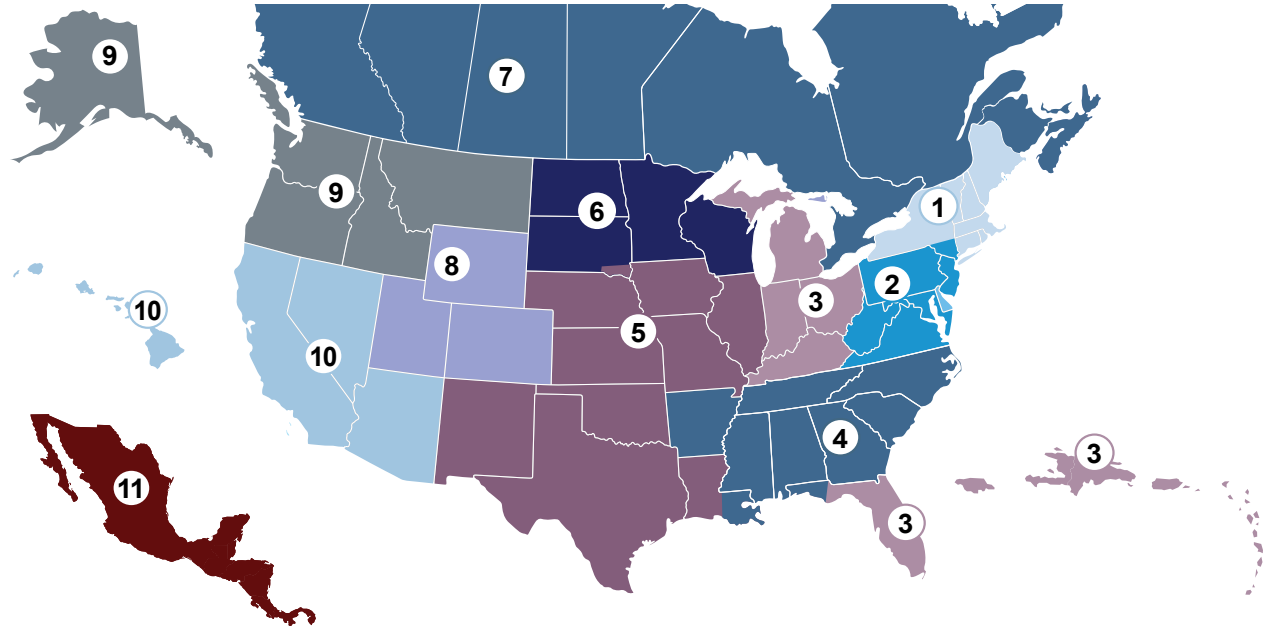
Notes:

Notes:

Notes:

Notes:

North American Sales Territories Map



1 Goodall Industrial Equipment
10 W Central St.
Natick, MA 01760
Phone: 508-651-2668
E-mail: sales@goodallsales.com

2 FJ Toolan Inc.
1 Revere Ct.
Allentown, NJ 08501
Phone: 609-259-0387
E-mail: jeff@fjtoolan.com

3 Davidson Sales
839 Bill France Blvd.
Daytona Beach, FL 32117
Phone: 386-274-2079
E-mail: dsc@davidsonsales.com

4 Underwood Sales Co.
2783 Longate Drive
Memphis, TN 38132
Phone: 901-332-4701
Email: sales@uscinc.net

5 Power Source Midwest, Inc.
18 Hawk Ridge Blvd., Ste. 120
Lake St. Louis, MO 63367-1829
Phone: 636-625-4771
E-mail: sales@powersourcemidwest.com

6 Matt Taylor
Sales Engineer
P.O. Box 8003
Wausau WI 54402-8003
Phone: 715 675-8191
E-mail: matthew.taylor@marathonelectric.com

7 Les Agences CMG Inc.
867 Rue Robertson
Lévis QC
G6C 1A6 CANADA
Phone: 418 955-6136
Email: maxime@agencescmg.com

8 David Dziekan
National Sales Manager
Frederick, CO
Phone: 715-660-8390
E-mail: david.dziekan@marathonelectric.com

9 Renosa Corporation
PO Box 516
Monroe, OR 97456
Phone: 503 864-3952
E-mail: dhammond@renosacorp.com

10 David Dziekan
National Sales Manager
Frederick, CO
Phone: 715-660-8390
E-mail: david.dziekan@marathonelectric.com

11 Juan Francisco III Illades Saucedo
Ave. Benito Juárez 11 Int. 104
Jardines de Santa Mónica
54050 Tlalnepantla, Méx.
Phone: 52-55-5374-3779
Email: francisco@swgs.com.mx

INTERNATIONAL SALES TEAM

Vice President, Global Sales

Marcelo Oliveira
Wausau, WI, USA
United States
Phone: 404 640-7166
Alt. Phone: 404 513-0293
Email: marcelo.oliveira@marathonelectric.com

When dialing from outside the country, omit the number in [].

marathon®



Marathon Electric LLC

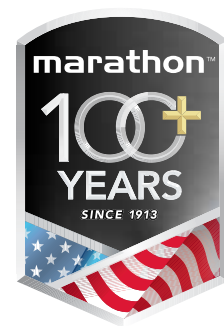
100 East Randolph Street

Wausau, WI 54402-8003

Phone: 715-675-3359

Fax: 715-675-8026

MarathonElectric.com



The proper selection and application of products and components, including assuring that the product is safe for its intended use, are the responsibility of the customer.

To view our Standard Terms and Conditions of Sale, please visit <https://www.marathonelectric.com> (which may redirect to other website locations based on product family).

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