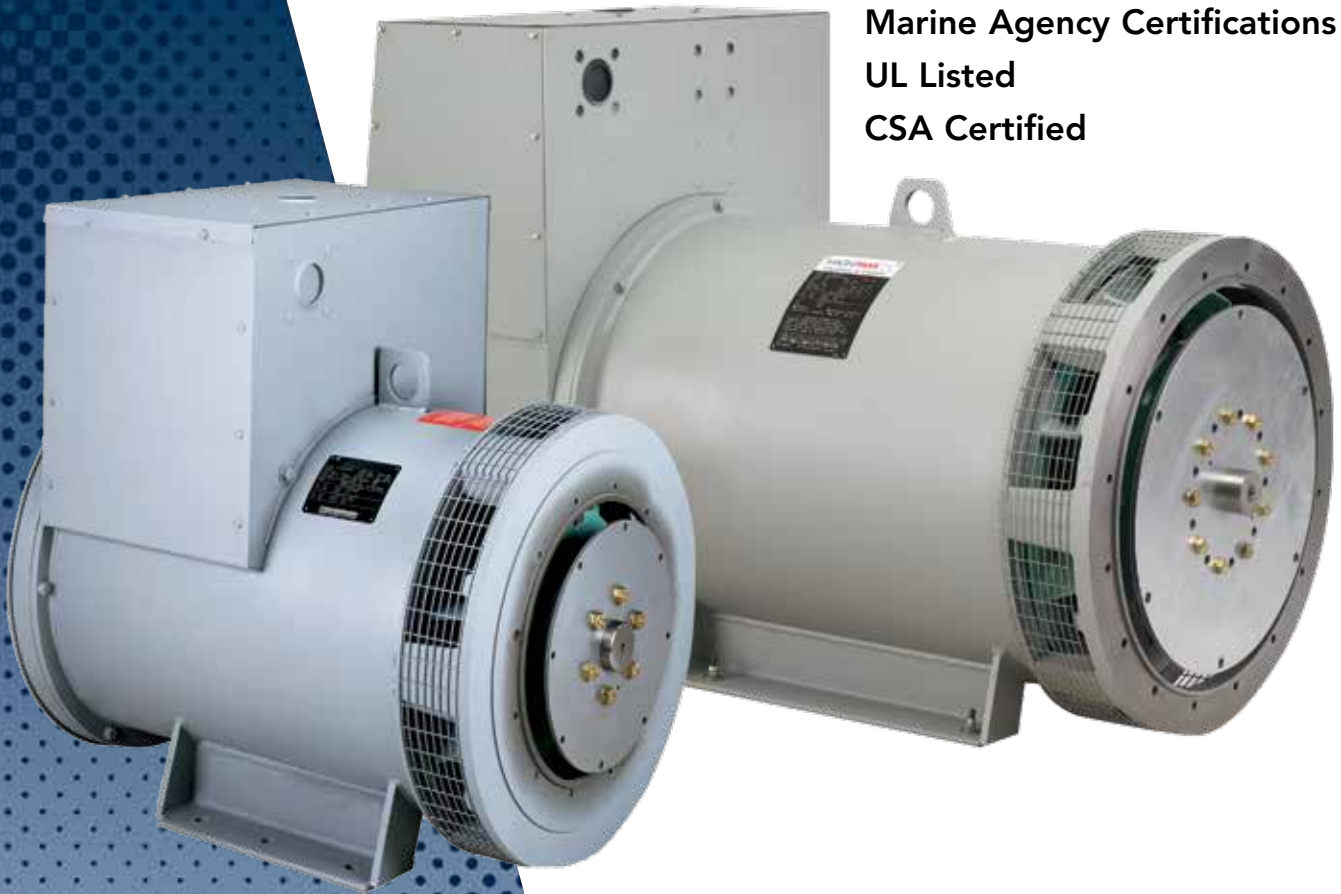


marathon™

Generators

**MARINER®**
Heavy Duty Generators

Marine Agency Certifications
UL Listed
CSA Certified



A Regal Brand

REGAL

Dependable Power for the Harshest Applications

With over 50 years of experience in the marine generator marketplace, Marathon[®] understands the unique needs of marine and heavy duty applications.

To insure the long life and reliability that marine applications demand, Mariner[®] generators feature a heavy duty rectifier assembly designed to handle extreme voltage transient surges and over-current situations (over-sized diodes and surge suppressors are included for extreme voltage transient surges). Windings are reinforced to handle the harshness of high moisture, salt-laden, marine applications

with proven wrappings and polybutadiene coated exciter stator to provide maximum environmental protection.

DVR/PMG system offers excitation protection, supplying a minimum short circuit support current of 300% of the rating for 10 seconds. Standard on 570 frame units, optional on 280-430 frame units.

Available options include: IP22 or IP23 dripcovers and space heaters (240/120 Volt, Single Phase).

Certification Requirements for Shipboard Generators

Subject	American Bureau Of Shipping (ABS)	Lloyd's Register Of Shipping	Germanischer Lloyd's	Korean Register Of Shipping	Nippon Kaiji Kyokai - NKK	Det Norske Veritas
Minimum Rating Requiring Certification	100 kW	100 kW	50 kW	All Generators	All Generators	100 kW
Ambient Temperature	50° C	45° C	45° C	50° C	50° C	45° C
Temperature Rise	95° C	95° C	90° C	95° C	95° C	95° C
Embedded Temperature Detectors	Required for all units 1 kV and over	Required for propulsion systems only	Not Specified	Not Specified	Not Specified	Required for all units 1000 kW and over
Space Heaters	Required ①	Not Specified ②	Not Specified ②	Not Specified ②	Not Specified ②	Req. for all units
Sustain Short Circuit Current in Percent (%) Rated F.L. Current	300% for 2 Sec.	300% for 2 Sec.	300% for 2 Sec.	300% for 2 Sec.	Not Specified	300% for 2 Sec.
Drip Cover or Minimum Enclosure Required	IP22	IP22	IP22	IP23	IP22	IP23
Fixed Termination of Load Leads ③	Not Specified	Required	Not Specified	Not Specified	Not Specified	Required
Shaft Material Test	Not Specified	Required	Required	Required	Not Specified	Required

Notes:

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

For generators requiring Certification by Agencies not listed above, please consult factory.



If you need Agency Certification the Marathon Mariner[®] is what you need!

60 Hertz • 4-Pole Three Phase 1800 RPM • NEMA Class H Insulation • 0.8 Power Factor Lagging

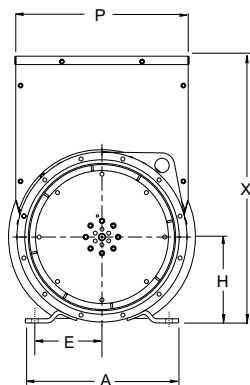
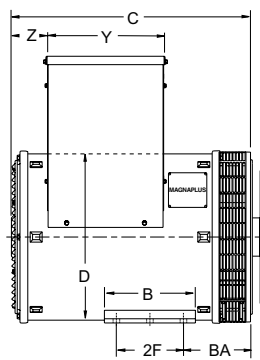
Base Model	Net Wt. (lbs.)	No. of Leads	Regulator	PMG Available	kW Ratings @ 50°C Ambient, Cont.			kW Ratings @ 40°C Ambient, Cont.		
					208Y - 240D 95°C/R/R	450Y 95°C/R/R	480Y 95°C/R/R	208Y - 240D 80°C/R/R	450Y 80°C/R/R	480Y 80°C/R/R
281PSL28040	225	12 ⊕	SE350E	No	10.5	9.5	9.3	10	9.3	8.8
282PSL28041	240	12 ⊕	SE350E	Yes	11.3	12	12	11	11.5	11.5
282PSL28042	270	12 ⊕	SE350E	Yes	13	13	13	12.5	12.5	12.5
282PSL28043	295	12 ⊕	SE350E	Yes	17.5	17.5	17.5	17	17	17
283PSL28044	336	12 ⊕	SE350E	Yes	22	22	23	21	21	22
283PSL28045	366	12 ⊕	SE350E	Yes	25	25	26	24	24	25
284PSL28046	405	12 ⊕	SE350E	Yes	31	31	31	30	30	30
284PSL28047	436	12 ⊕	SE350E	Yes	33	33	33	32	32	32
285PSL28048	480	12 ⊕	SE350E	Yes	37	38	40	36	37	38
286PSL28049	600	12 ⊕	SE350E	Yes	44	44	46	42	43	44
287PSL28050	670	12 ⊕	SE350E	Yes	50	51	52	48	49	50
361PSL3120	518	12 ⊕	SE350E	Yes	37	40	41	35	37	40
361PSL3121	569	12 ⊕	SE350E	Yes	46	48	50	45	48	49
361PSL3122	620	12 ⊕	SE350E	Yes	55	58	60	53	55	58
362PSL3124	706	12 ⊕	SE350E	Yes	67	70	77	65	68	75
362PSL3126	796	12 ⊕	SE350E	Yes	82	83	83	80	80	80
363PSL3127	943	12 ⊕	SE350E	Yes	105	110	115	100	105	110
431PSL6252	1220	12 ⊕	SE350E	Yes	133	135	135	125	125	125
431PSL6254	1310	12 ⊕	SE350E	Yes	156	160	160	142	143	143
431PSL6256	1415	12 ⊕	SE350E	Yes	183	190	186	170	170	165
431PSL6258	1455	12 ⊕	SE350E	Yes	195	198	200	176	180	180
432PSL6260	1685	12 ⊕	SE350E	Yes	245	245	245	220	220	220
432PSL6262	1760	12 ⊕	SE350E	Yes	245	255	260	225	227	230
433PSL6266	2235	12 ⊕	SE350E	Yes	325	325	321	290	285	280
433PSL6270	2245	12 ⊕	SE350E	Yes	345	355	352	315	315	310
572RSL6325	2730	12	DVR2000E+	Std	400	430	430	385	400	380
572RSL6327	2840	12	DVR2000E+	Std	415	440	475	400	417	440
572RSL6329	3050	12	DVR2000E+	Std	470	505	505	450	475	445
572RSL6331	3110	12	DVR2000E+	Std	470	500	515	460	487	485
573RSL6333	3400	12	DVR2000E+	Std	610	645	645	570	595	570
573RSL6335	3620	12	DVR2000E+	Std	625	652	670	590	617	585
574RSL6337	4080	12	DVR2000E+	Std	655	690	700	630	667	670

50 Hertz • 4-Pole Three Phase 1500 RPM • NEMA Class H Insulation • 0.8 Power Factor Lagging

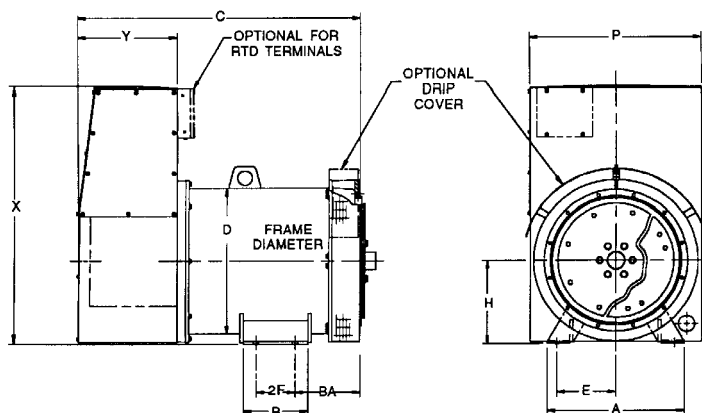
Base Model	Net Wt. (kg)	No. of Leads	Regulator	PMG Available	kVA Ratings @ 50°C Ambient, Cont.					
					220Y 95°C/R/R	220Y 110°C R/R	380Y 95°C/R/R	380Y 110°C R/R	400Y 95°C/R/R	400Y 110°C R/R
281PSL28040	102	12 ⊕	SE350E	No	6	7.9	9.8	11.6	8.6	10.8
282PSL28041	108	12 ⊕	SE350E	Yes	7.8	10.8	10.8	13	11.3	13.5
282PSL28042	123	12 ⊕	SE350E	Yes	8.1	11	13.1	14.4	12.2	14.8
282PSL28043	134	12 ⊕	SE350E	Yes	12	13.5	16.9	19.8	15.6	18.5
283PSL28044	152	12 ⊕	SE350E	Yes	15.6	18.5	21	26	20	24
283PSL28045	166	12 ⊕	SE350E	Yes	20	23	23	28	23	28
284PSL28046	184	12 ⊕	SE350E	Yes	20	24	30	33	27	31
284PSL28047	198	12 ⊕	SE350E	Yes	25	29	31	37	30	35
285PSL28048	218	12 ⊕	SE350E	Yes	30	32	37	43	36	41
286PSL28049	272	12 ⊕	SE350E	Yes	40	46	42	51	42	51
287PSL28050	304	12 ⊕	SE350E	Yes	42	48	47	55	47	55
361PSL3120	234	12 ⊕	SE350E	Yes	38	40	40	44	41	45
361PSL3121	258	12 ⊕	SE350E	Yes	43	45	50	53	50	52
361PSL3122	281	12 ⊕	SE350E	Yes	45	51	60	65	56	62
362PSL3124	320	12 ⊕	SE350E	Yes	65	75	75	80	73	81
362PSL3126	361	12 ⊕	SE350E	Yes	73	81	82	94	81	94
363PSL3127	427	12 ⊕	SE350E	Yes	90	101	100	113	100	113
431PSL6252	553	12 ⊕	SE350E	Yes	121	130	140	143	135	141
431PSL6254	594	12 ⊕	SE350E	Yes	143	151	160	166	160	165
431PSL6256	641	12 ⊕	SE350E	Yes	150	161	186	200	183	193
431PSL6258	659	12 ⊕	SE350E	Yes	183	195	200	210	200	210
432PSL6260	764	12 ⊕	SE350E	Yes	191	210	235	256	240	251
432PSL6262	798	12 ⊕	SE350E	Yes	245	260	256	270	256	271
433PSL6266	1013	12 ⊕	SE350E	Yes	241	265	325	245	310	331
433PSL6270	1018	12 ⊕	SE350E	Yes	285	310	355	375	350	368
572RSL6325	1239	12	DVR2000E+	Std	306	331	438	469	425	450
572RSL6327	1289	12	DVR2000E+	Std	356	363	450	475	463	494
572RSL6329	1384	12	DVR2000E+	Std	331	381	506	550	506	531
572RSL6331	1411	12	DVR2000E+	Std	431	469	513	563	525	563
573RSL6333	1543	12	DVR2000E+	Std	519	556	669	700	656	688
573RSL6335	1642	12	DVR2000E+	Std	469	513	663	738	669	706
574RSL6337	1851	12	DVR2000E+	Std	519	569	700	769	725	794

⊕ All 280, 360 and 430 frame Mariner® models have linkboard as standard.

Dimensions in inches and (millimeters)



280-430 frame



570 frame

Frame Size	A	B	BA	C	C with PMG	D	E	2F	H	P	X	Y	Z
281	14.00 (356)	7.00 (178)	6.56 (167)	15.95 (405)	N/A	13.64 (349)	6.25 (159)	5.00 (127)	8.00 (203)	13.55 (344)	18.56 (471)	6.86 (174)	3.50 (89)
282	14.00 (356)	7.00 (178)	6.56 (167)	18.50 (470)	23.10 (587)	13.64 (346)	6.25 (159)	5.00 (127)	8.00 (203)	13.55 (344)	18.56 (471)	8.93 (227)	3.42 (87)
283	14.00 (356)	7.00 (178)	6.56 (167)	20.50 (521)	25.10 (638)	13.64 (346)	6.25 (159)	5.00 (127)	8.00 (203)	13.55 (344)	18.56 (471)	8.93 (227)	3.42 (87)
284	14.00 (356)	7.00 (178)	6.56 (167)	22.75 (578)	27.40 (696)	13.64 (346)	6.25 (159)	5.00 (127)	8.00 (203)	13.55 (344)	18.56 (471)	8.93 (227)	3.42 (87)
285	14.00 (356)	7.00 (178)	11.56 (294)	25.00 (635)	29.60 (752)	13.64 (346)	6.25 (159)	5.00 (127)	8.00 (203)	13.55 (344)	18.56 (471)	8.93 (227)	3.42 (87)
286	14.00 (356)	7.00 (178)	11.56 (294)	27.00 (686)	31.60 (803)	13.64 (346)	6.25 (159)	5.00 (127)	8.00 (203)	13.55 (344)	18.56 (471)	8.93 (227)	3.42 (87)
287	14.00 (356)	7.00 (178)	11.56 (294)	29.00 (737)	33.60 (853)	13.64 (346)	6.25 (159)	5.00 (127)	8.00 (203)	13.55 (344)	18.56 (471)	8.93 (227)	3.42 (87)
361	16.00 (406)	9.50 (241)	7.00 (178)	24.96 (634)	30.06 (764)	17.35 (441)	7.00 (178)	7.00 (178)	9.00 (229)	18.19 (462)	27.85 (707)	12.44 (316)	3.52 (89)
362	16.00 (406)	9.50 (241)	7.00 (178)	28.59 (726)	33.69 (856)	17.35 (441)	7.00 (178)	7.00 (178)	9.00 (229)	18.19 (462)	27.85 (707)	12.44 (316)	3.52 (89)
363	16.00 (406)	9.50 (241)	10.50 (267)	31.72 (806)	36.81 (935)	17.35 (441)	7.00 (178)	7.00 (178)	9.00 (229)	18.19 (462)	27.85 (707)	12.44 (316)	3.52 (89)
431	21.46 (545)	15.00 (381)	10.00 (254)	33.89 (861)	38.27 (972)	22.64 (575)	9.00 (229)	11.00 (279)	13.00 (330)	24.97 (634)	36.10 (917)	16.00 (406)	2.66 (68)
432	21.46 (545)	15.00 (381)	10.00 (254)	37.39 (950)	41.77 (1061)	22.64 (575)	9.00 (229)	11.00 (279)	13.00 (330)	24.97 (634)	36.10 (917)	16.00 (406)	2.66 (68)
433	21.46 (545)	15.00 (381)	10.00 (254)	42.39 (1077)	46.77 (1188)	22.64 (575)	9.00 (229)	11.00 (279)	13.00 (330)	24.97 (634)	36.10 (917)	16.00 (406)	2.66 (68)
572	22.50 (572)	15.00 (381)	11.50 (292)	N/A	51.52 (1308)	27.64 (702)	10.00 (254)	11.00 (279)	15.50 (394)	30.77 (782)	42.64 (1083)	17.21 (437)	N/A
573	22.50 (572)	24.00 (610)	11.50 (292)	N/A	58.02 (1474)	27.64 (702)	10.00 (254)	20.00 (508)	15.50 (394)	30.77 (782)	42.64 (1083)	17.21 (437)	N/A
574	22.50 (572)	24.00 (610)	11.50 (292)	N/A	65.02 (1651)	27.64 (702)	10.00 (254)	20.00 (508)	15.50 (394)	30.77 (782)	42.64 (1083)	17.21 (437)	N/A

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