marathon®



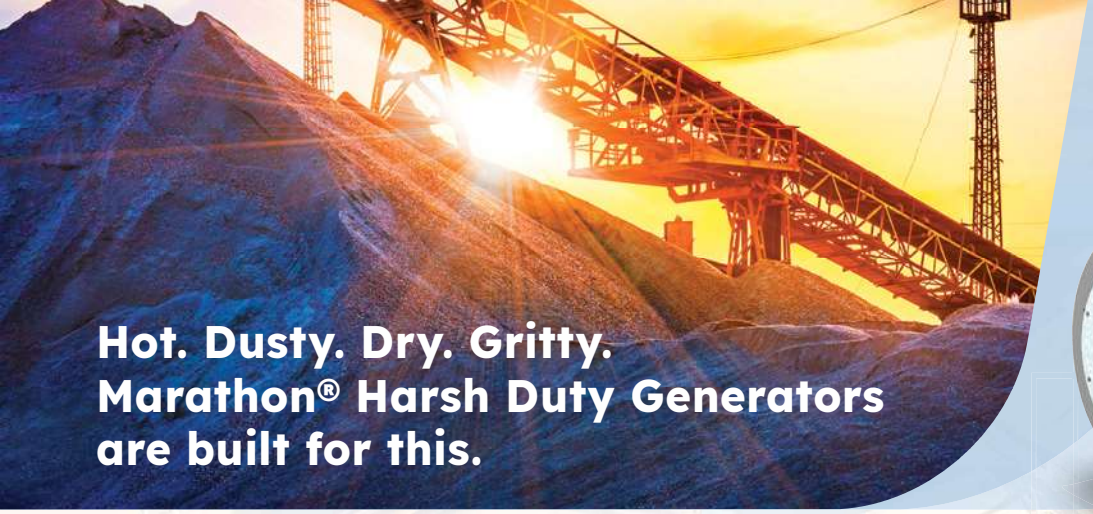
HARSH DUTY GENERATORS

DEPENDABLE POWER FOR THE HARSHEST INDUSTRIAL APPLICATIONS 10KW TO 800KW, 60HZ AND 50HZ

APRIL 2026



HARSH DUTY



Hot. Dusty. Dry. Gritty. Marathon® Harsh Duty Generators are built for this.



Marathon® Generators deliver the long life and reliability that harsh applications demand.

In today's market, there is high demand for powered equipment that can operate independent of the power grid. Whether you use a generator as primary power on a remote job site or as a mission-critical backup, your site may be exposed to extremely high or low temperatures, humidity, dust or sand. All of these conditions can exert physical stress on equipment, often resulting in premature generator failure and costly downtime.

For more than 60 years, the Marathon brand has been synonymous with reliable power generation. Our extensive line of Harsh Duty generators is built for rugged durability and engineered to meet your application needs.

Investing in a high-quality heavy-duty generator will help ensure dependability, reduced maintenance, and longer service life.

Environmental Protection

- Winding treated with multiple dip and bake cycles of 100% solids varnish
- Reinforced main stator windings
- Taped and encapsulated exciter stator
- Anti-tracking coated exciter stator

Unirotor Construction



- Marathon's Unirotor single-piece laminations and wet-layer winding processes provide the most reliable rotor construction on the market

Electrical Protection

- Equipped with robust rectifier assemblies to eliminate damage from voltage surges, paralleling, large motor-starting or non-linear loads
- Hermetically sealed diodes are rated to exceed 300% of design requirement
- Selenium surge suppressors handle up to 40x more power than Metal Oxide Varistor (MOV) suppressor

Built to Endure

The reinforced windings with multiple dip and bake cycles on the main stator allows the Harsh Duty generator to handle hot, dusty, or humid environments while running the powerful and sensitive equipment needed to power some of the most essential industries.

Mining | **Quarry** | **Aggregate pits**

Standby or Continuous Duty

When facilities require uninterrupted power to maintain operations and safety. Our industrial generators ensure your facility stays in operation during power outages due to storms, downed power lines, and natural disasters. Industrial generators are also essential for providing power to remote locations that are not able to connect to power grids.

Chemical plants | **Heavy Industrial plants**

Voltage Regulation

The harsh duty generator ensures reliable and stable power with voltage regulators that ensures a steady, constant voltage supply through all operational conditions, as well as a heavy duty rectifier assembly that is designed to handle power fluctuations and variations in loads.

Movie sets | **Construction sites**







Remote job sites that are not connected to the grid still require a reliable source of power to avoid downtime.

Voltage Regulation



SE350E

While the HARSH DUTY generator is built standard with an analog SE350 voltage regulator, it can alternatively be supplied with one of two PMG-ready voltage regulators.



DVR®2400

The proven DVR (Digital Voltage Regulator) provides 0.25% voltage regulation utilizing the isolated PMG power supplier to assure maximum motor starting capacity and reliable voltage output.



PM500

The PM500 provides advanced voltage regulation and generator protection in a robust, analog package. With 0.25% voltage regulation, the PM500 provides superior, full-wave dynamic performance, maximum motor starting capability.

Base Model	Net Wt. (lbs.)	No. of Leads	Standard Regulator	PMG Available	480V kW Ratings at 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
282PSL28043	295	12	SE350E	Yes	17	20	21	21	22
283PSL28045	366	12	SE350E	Yes	25	30	33	33	35
284PSL28047	436	12	SE350E	Yes	32	36	40	40	45
285PSL28048	480	12	SE350E	Yes	38	43	45	45	50
361PSL3120	518	12	SE350E	Yes	40	45	48	48	50
361PSL3121	569	12	SE350E	Yes	49	55	60	60	65
361PSL3122	620	12	SE350E	Yes	58	65	70	70	76
362PSL3124	706	12	SE350E	Yes	75	84	90	90	95
362PSL3126	796	12	SE350E	Yes	80	96	105	105	113
363PSL3127	943	12	SE350E	Yes	110	125	135	135	150
431PSL6252	1220	12	SE350E	Yes	125	142	151	155	160
431PSL6254	1310	12	SE350E	Yes	143	170	180	181	190
431PSL6256	1415	12	SE350E	Yes	165	200	211	215	225
431PSL6258	1455	12	SE350E	Yes	180	211	226	230	240
432PSL6260	1685	12	SE350E	Yes	220	260	275	280	291
432PSL6262	1760	12	SE350E	Yes	230	275	300	300	310
433PSL6266	2235	12	SE350E	Yes	280	342	375	380	400
433PSL6270	2245	12	SE350E	Yes	310	375	403	415	430
572RSL6325	2730	12	DVR®2400	Yes	380	450	475	475	505
572RSL6327	2840	12	DVR2400	Yes	440	500	515	515	560
572RSL6329	3050	12	DVR2400	Yes	445	535	560	560	610
572RSL6331	3110	12	DVR2400	Yes	485	575	600	600	645
573RSL6333	3400	12	DVR2400	Yes	570	680	700	700	765
573RSL6335	3620	12	DVR2400	Yes	585	710	750	750	810
574RSL6337	4080	12	DVR2400	Yes	670	800	825	825	900

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

Base Model	Net Wt. (kgs.)	No. of Leads	Standard Regulator	PMG Available	400V kVA and kW Ratings at Designated NEMA Rise					
					NEMA F Cont. 105°C R/R		NEMA H Cont. 125°C R/R		NEMA H Standby 150°C R/R	
					kVA	kW	kVA	kW	kVA	kW
282PSL28043	134	12	SE350E	Yes	17.5	14	20	16	21.3	17
283PSL28045	166	12	SE350E	Yes	26	21	30	24	32	26
284PSL28047	198	12	SE350E	Yes	33	27	38	31	41	33
285PSL28048	218	12	SE350E	Yes	40	32	43	35	47	38
361PSL3120	234	12	SE350E	Yes	44	36	48	38	51	41
361PSL3121	258	12	SE350E	Yes	52	42	57	46	61	49
361PSL3122	281	12	SE350E	Yes	63	50	68	54	75	60
362PSL3124	320	12	SE350E	Yes	81	65	88	70	94	75
362PSL3126	361	12	SE350E	Yes	94	75	100	80	110	88
363PSL3127	427	12	SE350E	Yes	113	90	130	104	133	106
431PSL6252	553	12	SE350E	Yes	141	113	150	120	160	128
431PSL6254	594	12	SE350E	Yes	165	132	175	140	185	148
431PSL6256	641	12	SE350E	Yes	193	154	206	165	220	176
431PSL6258	659	12	SE350E	Yes	210	168	225	180	235	188
432PSL6260	764	12	SE350E	Yes	251	201	270	216	285	228
432PSL6262	798	12	SE350E	Yes	271	217	300	240	306	245
433PSL6266	1013	12	SE350E	Yes	331	265	360	288	385	308
433PSL6270	1018	12	SE350E	Yes	368	294	400	320	420	336
572RSL6325	1239	12	DVR2400	Yes	450	360	475	380	506	405
572RSL6327	1289	12	DVR2400	Yes	494	395	519	415	550	440
572RSL6329	1384	12	DVR2400	Yes	531	425	569	455	600	480
572RSL6331	1411	12	DVR2400	Yes	563	450	600	480	638	510
573RSL6333	1543	12	DVR2400	Yes	688	550	725	580	763	610
573RSL6335	1642	12	DVR2400	Yes	706	565	750	600	794	635
574RSL6337	1851	12	DVR2400	Yes	794	635	850	680	894	715



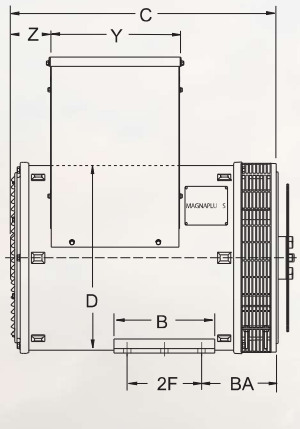
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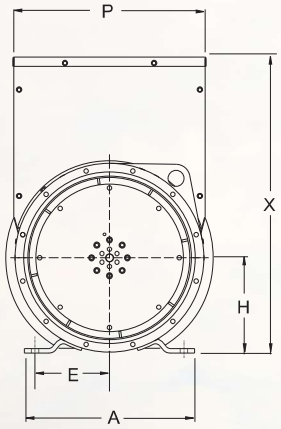
DIMENSIONS IN INCHES AND (MILLIMETERS)

HARSH DUTY

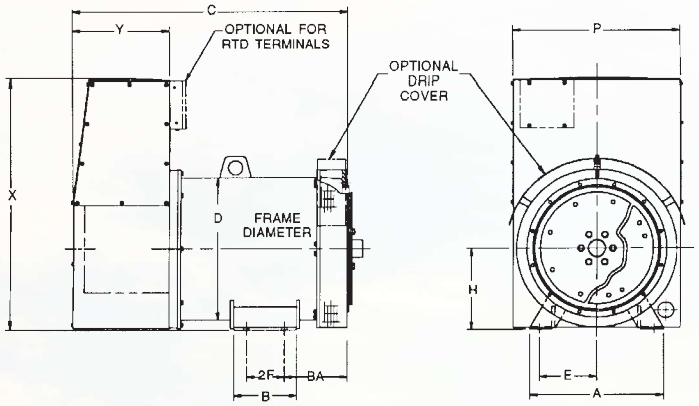
All dimensions are approximate. Contact Marathon Electric for full dimensional data

(please see back cover for the contact details).





280-430 frame

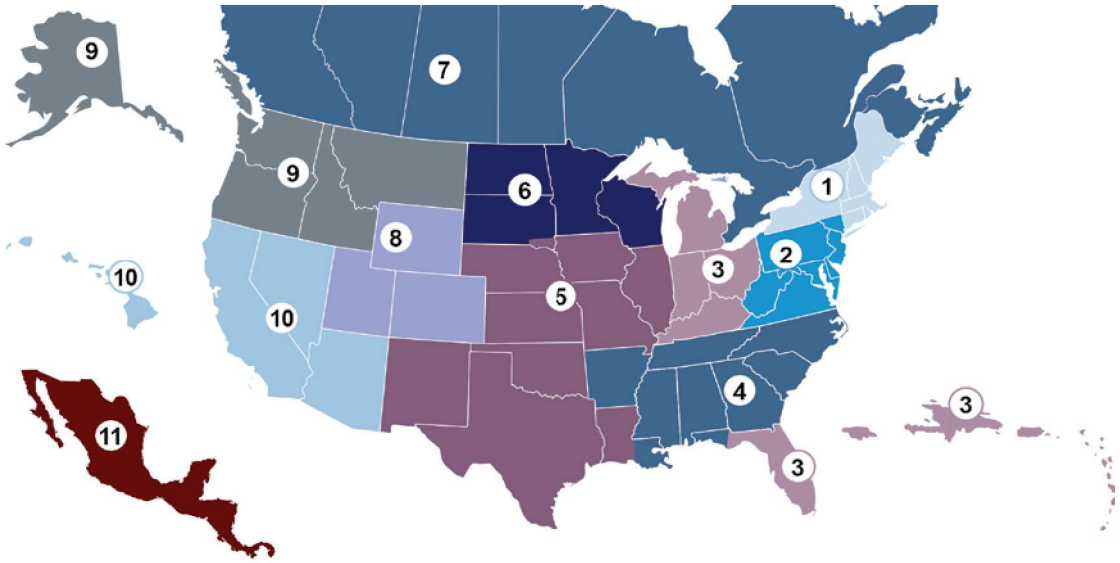


570 frame

Frame size	A	B	BA	C	C with PMG	D	E	2F	H	P	X	Y	Z
282PSL	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)
283PSL	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)
284PSL	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)
285PSL	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)
361PSL	16.00 (406)	9.50 (241)	7.00 (178)	24.96 (634)	27.56 (700)	17.35 (441)	7.00 (178)	7.00 (178)	9.00 (229)	18.19 (462)	27.85 (707)	12.44 (316)	3.52 (89)
362PSL	16.00 (406)	9.50 (241)	7.00 (178)	28.59 (726)	31.18 (792)	17.35 (441)	7.00 (178)	7.00 (178)	9.00 (229)	18.19 (462)	27.85 (707)	12.44 (316)	3.52 (89)
363PSL	16.00 (406)	9.50 (241)	10.50 (267)	31.72 (806)	34.29 (871)	17.35 (441)	7.00 (178)	7.00 (178)	9.00 (229)	18.19 (462)	27.85 (707)	12.44 (316)	3.52 (89)
431PSL	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)
432PSL	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)
433PSL	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)
572RSL	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
573RSL	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)	
574RSL	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)	

Must have minimum clearance of 6 inches for air flow in to the generator. Additional clearance may be required for servicing.
280 - 430 frame sizes equipped with linkboard as standard.
See website for 2 bearing dimensions.

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.
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E-mail: sales@powersourcemidwest.com

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

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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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