

2022 LV NEMA Motors Product Catalog

NEW - 2022 SIMOTICS NEMA LVM Selection and Pricing Guide



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- All LV NEMA Motors in one catalog
- New easy to navigate links to sections
- Links to Documentation and Configuration
- New Section for SIMOTICS Connect 400
- Updated Short Code Index and cross over list

2022 LV NEMA Motors Product Catalog – What's New?

Table of Contents	
Introduction General information regarding the range of motor, efficiency, Warranty, cancellation and tools.	1
SIMOTICS Next Generation NEMA Motors SD200 , SD200 841 , DP200 HPS	2
SIMOTICS NEMA Motors GP100A , GP100 , SD100 , SD100 Low Maintenance , SD100 IEEE , SD661 , XP100 , XP100 ID1 , XP JM , LP100 , HP100 , SD10 MS	3
Technical Tables VSD Capabilities, Bearing Details, Typical Performance Data	4
Drawings and Dimensions General Motor Drawings, Dimensions of accessories, General packing weights and dimensions	5
SIMOTICS CONNECT 400 & SIDRIVE IQ Fleet Overview, Connectivity Module, Analytic Software, Commissioning and Usage	6
MV SIMOTICS Advantage Series Introduction, Selection and Pricing, performance details, Modification and accessories, general dimensions	7
Indexes Short codes, Cross over list	8

All LV NEMA Motors in one catalog

New and updated dimension drawings for motors and accessories

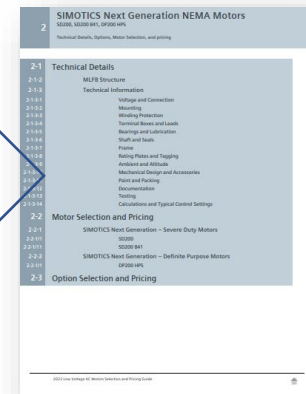
SIMOTICS Connect 400 technical details and ordering information



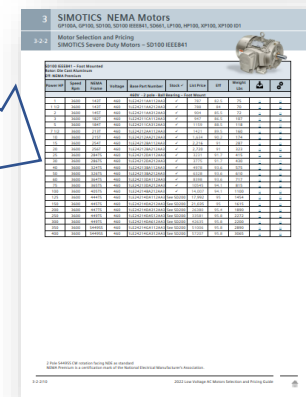
2022 LV NEMA Motors Product Catalog – Quick Links

Table of Contents

Introduction General information regarding the range of motor, efficiency, Warranty, cancelation and tools.	1
SIMOTICS Next Generation NEMA Motors SD200 , SD200 841 , DP200 HPS Technical Details, Options, Motor Selection, and pricing	2
SIMOTICS NEMA Motors GP100A , GP100 , SD100 , SD100 Low Maintenance , SD100 IEEE , SD661 , XP100 , XP100 ID1 , XP JM , LP100 , HP100 , SD10 MS Technical Details, Options, Motor Selection, and pricing	3
Technical Tables VSD Capabilities, Bearing Details, Typical Performance Data	4
Drawings and Dimensions General Motor Drawings, Dimensions of accessories, General packing weights and dimensions	5
SIMOTICS CONNECT 400 & SIDRIVE IQ Fleet Overview, Connectivity Module, Analytic Software, Commissioning and Usage	6
MV SIMOTICS Advantage Series Introduction, Selection and Pricing, performance details, Modification and accessories, general dimensions	7
Indexes Short codes, Cross over list	8



Click in box:
Quick Link to section
table of content



2022 LV NEMA Motors Product Catalog – Quick Links

Quick link from pricing section to technical section

3 SIMOTICS NEMA Motors
GP100A, GP100, SD100, SD100 IEIEE841, SD661, LP100, HP100, XP100, XP100 ID1

3-1-3-4 Technical Details – Technical Information – Terminal Boxes and Leads

Codes	Description	IEE2	IEE3	IEE4
0	F-3 Top Mounted Box (GP100A only)	✓	✓	✓
1	C-2 Calling	✓	✓	✓
2	F-2	✓	✓	✓
3	F-1	✓	✓	✓
4	W-6 Shaft Down	✓	✓	✓
5	W-7 (F-2) Shaft Down	✓	✓	✓
6	W-5 (F-2) Shaft Up	✓	✓	✓
7	W-8 Shaft Up	✓	✓	✓
8	C-1 (F-2) Calling	✓	✓	✓
9.61A	W-1 (F-2) Wall	✓	✓	✓
9.62A	W-2 Wall	✓	✓	✓
9.63A	W-3 Wall	✓	✓	✓
9.64A	W-4 (F-2) Wall	✓	✓	✓
J0	Separate Conduit on Main Box Side	✓	✓	✓
J2	Conduit to Main Box	✓	✓	✓
J3	Aux Box to Main Box	✓	✓	✓
J4	Conduit Opposite to Main Box Side	✓	✓	✓
J5	Aux Box Opposite to Main Box Side	✓	✓	✓
J6	Explosion Proof Conduit Opposite to Main Box Side	✓	✓	✓
J7	Explosion Proof Conduit to NDE side of Main Box	✓	✓	✓
J8	Conduit Box Orientation 90° CCW (Entry from DE)	✓	✓	✓
J8S	Conduit Box Orientation 180° CCW (Entry from Top)	✓	✓	✓
J8E	Conduit Box Orientation 270° CCW (Entry from NDE)	✓	✓	✓
K50	BLINDY IDENT YA Type Terminals	✓	✓	✓
K53	Terminal Block - 3 Lead Only	✓	✓	✓
K59	Shield Leads	✓	✓	✓
L01	Cast Iron in Layer of Aluminum	✓	✓	✓
T04	Steel terminal box - oversized 20X20X16(in) with blank entry	✓	✓	✓
Y85	Special Cable Length (up to 120')	✓	✓	✓

2022 Low Voltage AC Motors Selection and Pricing Guide 3-1-3-4.1

3 SIMOTICS NEMA Motors
GP100A, GP100, SD100, SD100 IEIEE841, SD661, LP100, HP100, XP100, XP100 ID1

3-1-3-4 Option Selection and Pricing – Custom Build Options


Code	Description	Qty	140	180	210	250	280	320	360	400	440	544S	IEE2	IEE3	IEE4	Notes
AWC	Conduit Module	B	725	725	725	725	725	725	725	725	725	725	✓	✓	✓	NO GP100A
COB	Insulation Box	A-1	122	122	122	157	261	343	438	634	904	2187	✓	✓	✓	NO GP100A
COI	Insulation Box (Extra Dry)	A-2	1670	1670	1670	2147	2714	3430	3728	5463	✓	✓	✓	✓	✓	NO GP100A
COE	Insulation Box (Extra Dry)	A-2	150	150	150	150	150	150	220	250	410	820	✓	✓	✓	NO GP100A
COF	Insulation Box (Extra Dry)	A-2	160	160	160	208	345	447	567	798	1877	1877	✓	✓	✓	NO GP100A
COG	Insulation Box (Extra Dry)	A-1	GM	212	212	310	310	537	537	537	537	✓	✓	✓	✓	NO GP100A
COH	Insulation Box (Extra Dry)	A-2	214	214	214	277	409	593	746	1036	1406	2311	✓	✓	✓	NO GP100A
COI	Insulation Box (Extra Dry)	A-1	GM	125	125	125	125	125	125	125	125	125	✓	✓	✓	ONLY GP100A
COJ	Insulation Box (Extra Dry)	A-1	GM	134	134	134	134	134	134	134	134	134	✓	✓	✓	ONLY GP100A
COK	Insulation Box (Extra Dry)	A-1	GM	284	284	284	284	284	284	284	284	284	✓	✓	✓	ONLY GP100A
COL	Insulation Box (Extra Dry)	A-1	GM	284	284	284	284	284	284	284	284	284	✓	✓	✓	ONLY GP100A
COE	Insulation Box (Extra Dry)	A-1	GM	284	284	284	284	284	284	284	284	284	✓	✓	✓	ONLY GP100A
COF	Insulation Box (Extra Dry)	A-1	GM	284	284	284	284	284	284	284	284	284	✓	✓	✓	ONLY GP100A
COG	Insulation Box (Extra Dry)	A-1	GM	284	284	284	284	284	284	284	284	284	✓	✓	✓	ONLY GP100A
COH	Insulation Box (Extra Dry)	A-1	GM	284	284	284	284	284	284	284	284	284	✓	✓	✓	ONLY GP100A
COI	Insulation Box (Extra Dry)	A-1	GM	284	284	284	284	284	284	284	284	284	✓	✓	✓	ONLY GP100A
COJ	Insulation Box (Extra Dry)	A-1	GM	284	284	284	284	284	284	284	284	284	✓	✓	✓	ONLY GP100A
COK	Insulation Box (Extra Dry)	A-1	GM	284	284	284	284	284	284	284	284	284	✓	✓	✓	ONLY GP100A
COE	Insulation Box (Extra Dry)	A-1	GM	284	284	284	284	284	284	284	284	284	✓	✓	✓	ONLY GP100A
COF	Insulation Box (Extra Dry)	A-1	GM	284	284	284	284	284	284	284	284	284	✓	✓	✓	ONLY GP100A
COG	Insulation Box (Extra Dry)	A-1	GM	284	284	284	284	284	284	284	284	284	✓	✓	✓	ONLY GP100A
COH	Insulation Box (Extra Dry)	A-1	GM	284	284	284	284	284	284	284	284	284	✓	✓	✓	ONLY GP100A
COI	Insulation Box (Extra Dry)	A-1	GM	284	284	284	284	284	284	284	284	284	✓	✓	✓	ONLY GP100A
COJ	Insulation Box (Extra Dry)	A-1	GM	284	284	284	284	284	284	284	284	284	✓	✓	✓	ONLY GP100A
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COI	Insulation Box (Extra Dry)	A-1	GM	284	284	284	284	284	284	284	284	284	✓	✓	✓	ONLY GP100A
COJ	Insulation Box (Extra Dry)	A-1	GM	284	284	284	284	284	284	284	284	284	✓	✓	✓	ONLY GP100A
COK	Insulation Box (Extra Dry)	A-1	GM	284	284	284	284	284	284	284	284	284	✓	✓	✓	ONLY GP100A
COE	Insulation Box (Extra Dry)	A-1	GM	284	284	284	284	284	284	284	284	284	✓	✓	✓	ONLY GP100A
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COE	Insulation Box (Extra Dry)	A-1	GM	284	284	284	284	284	284	284	284	284	✓	✓	✓	ONLY GP100A
COF	Insulation Box (Extra Dry)	A-1	GM	284	284	284	284	284	284	284	284	284	✓	✓	✓	ONLY GP100A
CO																

2022 LV NEMA Motors Product Catalog – Quick Links

3 SIMOTICS NEMA Motors

GP100A, GP100, SD100, SD100 IEEEB41, SD661, LP100, HP100, XP100, XP100 ID1

3-2-2 Motor Selection and Pricing
SIMOTICS Severe Duty Motors – SD100



Power HP	Speed Rpm	NEMA Frame	Voltage	Base Part Number	Stock ✓	List Price	Eff	Weight Lbs	Download	Configure
SD100 – Foot Mounted										
Rotor: Die Cast Aluminum										
Eff: NEMA Premium										
230/460V - 2 pole - Ball Bearing – Foot Mount										
1	3600	143T	230/460	1LE23211AA114AA3	✓	574	85.5	62	Download	Configure
1 1/2	3600	143T	230/460	1LE23211AA214AA3	✓	574	86.5	66	Download	Configure
2	3600	145T	230/460	1LE23211AA314AA3	✓	686	86.5	66	Download	Configure
3	3600	182T	230/460	1LE23211CA114AA3	✓	771	89.5	98	Download	Configure
5	3600	184T	230/460	1LE23211CA314AA3	✓	955	89.5	104	Download	Configure
7 1/2	3600	213T	230/460	1LE23212AA114AA3	✓	1121	91.7	171	Download	Configure
10	3600	215T	230/460	1LE23212AA214AA3	✓	1,349	91.7	177	Download	Configure
15	3600	254T	230/460	1LE23212BA114AA3	✓	1,853	92.4	259	Download	Configure
20	3600	256T	230/460	1LE23212BA214AA3	✓	2,294	93	292	Download	Configure
460V - 2 pole – Short Shaft - Ball Bearing – Foot Mount										
25	3600	284TS	460	1LE23212DA112AA3	✓	2702	91.7	415	Download	Configure
30	3600	286TS	460	1LE23212DA212AA3	✓	3155	91.7	430	Download	Configure
40	3600	324TS	460	1LE23213BA112AA3	✓	4163	93.6	575	Download	Configure
50	3600	326TS	460	1LE23213BA212AA3	✓	5384	93.6	610	Download	Configure
60	3600	364TS	460	1LE23213DA112AA3	✓	7083	93.6	717	Download	Configure
75	3600	365TS	460	1LE23213DA212AA3	✓	8894	94.1	815	Download	Configure
100	3600	405TS	460	1LE23214BA212AA3	✓	11,919	94.1	1100	Download	Configure
125	3600	444TS	460	1LE23214DA112AA3	See SD200	15,574	95	1454	Download	Configure
150	3600	445TS	460	1LE23214DA212AA3	See SD200	18,709	95	1615	Download	Configure
200	3600	447TS	460	1LE23214DA312AA3	See SD200	23666	95.4	1890	Download	Configure
250	3600	449TS	460	1LE23214DA512AA3	See SD200	29849	95.8	2272	Download	Configure
300	3600	449TS	460	1LE23214DA612AA3	See SD200	40858	95.8	2200	Download	Configure
350	3600	S449SS	460	1LE23214GA112AA3	See SD200	41992	95.8	2890	Download	Configure
400	3600	S449SS	460	1LE23214GA312AA3	See SD200	52365	95.8	3065	Download	Configure

Introduction

SIMOTICS NEMA Next Generation

SIMOTICS NEMA

Technical Tables

Drawing and Dimensions

Download Documents

Choose languages for the data sheet: English

Project data for the datasheet

Download selection of document types

- Datasheets (PDF)
- Dimension drawings (PDF)
- Dimension drawings (DXF)
- 3D PDF
- 3D STEP
- Certificates
- Characteristic curves

Selection of download format

All in a ZIP file All in a single PDF file All in a single B7Z file

Component documentation

- SIMOTICS NEMA GP100 - 1LE2 (1LE2321-1AA11-4AA3)
- Data sheet (PDF)
- Data sheet (DOCX)
- Dim draw PDF (takes approx 1 min)
- Dim draw DXF (takes approx 1 min)
- Torque curve
- Performance curve
- 3D PDF (takes approx 1 min)
- 3D STEP (takes approx 1 min)
- Wiring diagram
- Thermal level characteristic
- CSA cert. of compliance
- CSA certificate ECV MARK
- Link UL certificate
- Link ANCE certificate
- CE certificate
- Operating instructions
- CAD display and download

Configure Product

SIEMENS Ingenuity for Life

SIMOTICS NEMA GP100 - 1LE2

1LE2321-1CA3-...

on request (see price) on request (see price) on request (standard delivery time) on request (see price) on request (product design)

The configuration is not complete, please set all orange values.

Basic Data Options 1 Options 2 Options 3 IEC version: 35.12

Quick Selection

Motor Type: SD100 - NEMA Premium Efficiency

Rated output (kW) (hp): 5.0 (6.8)

Synchronous speed (rpm): 2 pole (3600 rpm)

Type of construction:

basic parameters

Voltage selection: 460V

Frame size: 143T

Motor protection:

Assembly mounting and terminal box position:

IEC Data

Enclosure: IC411

Power (kW): 4.50 kW

Frame size: 112M

Mounting / mechanical design: