



SIMOTICS

rodina elektromotorů Siemens

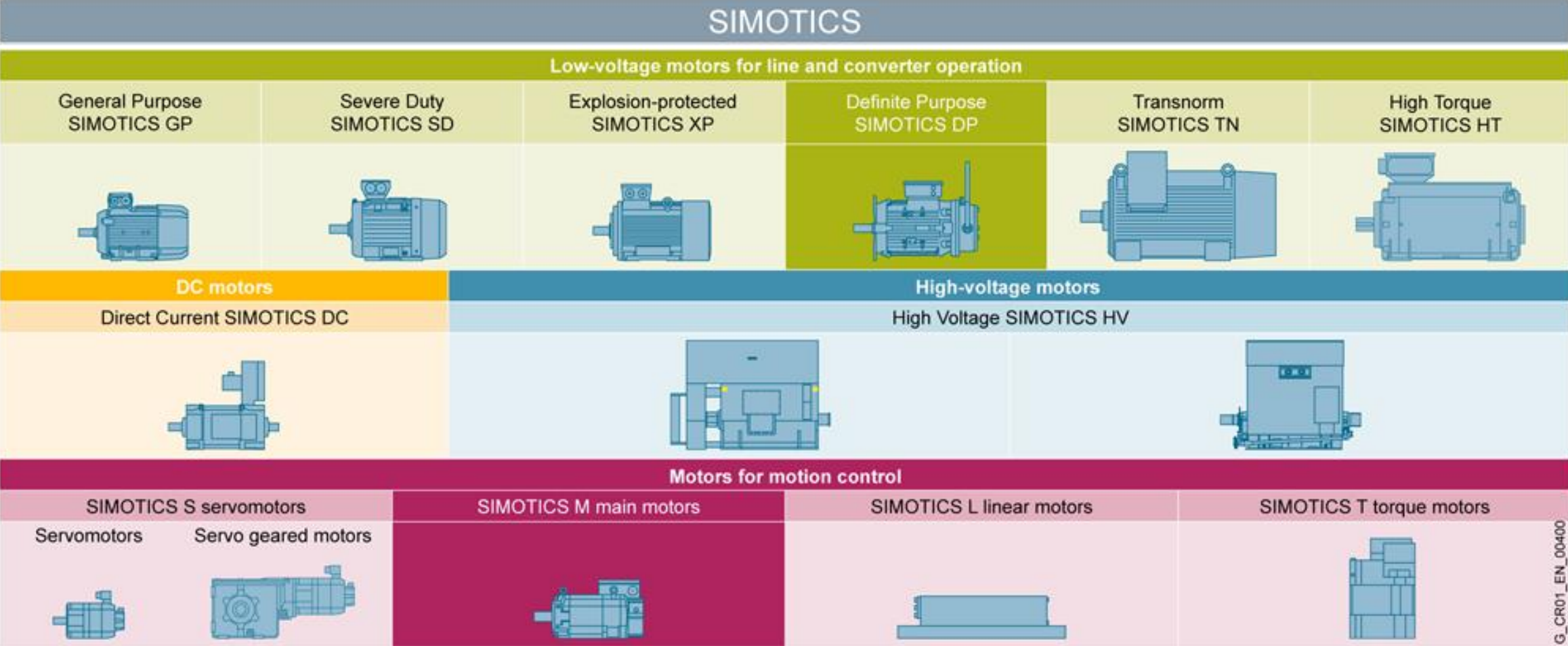
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SIMOTICS - jednotlivé řady elektromotorů

SIMOTICS – jednotlivé řady



G_CR01_EN_00400

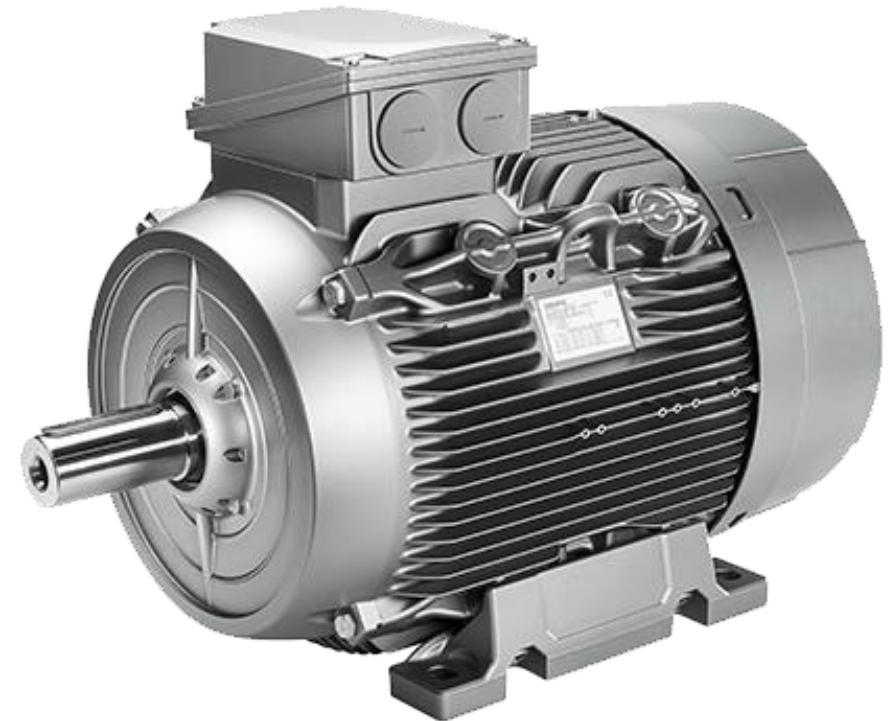
SIMOTICS – jednotlivé řady

SIMOTICS GP (General Purpose)

1LE10... hliníková kostra

os.v. 63 - 200mm

0,09 – 37kW



SIMOTICS – jednotlivé řady

SIMOTICS SD (Severe Duty)

1LE15/1LE16/1LE55/1LE56... litinová kostra

os.v. 71 - 450mm

0,09 – 1000kW



SIMOTICS – jednotlivé řady

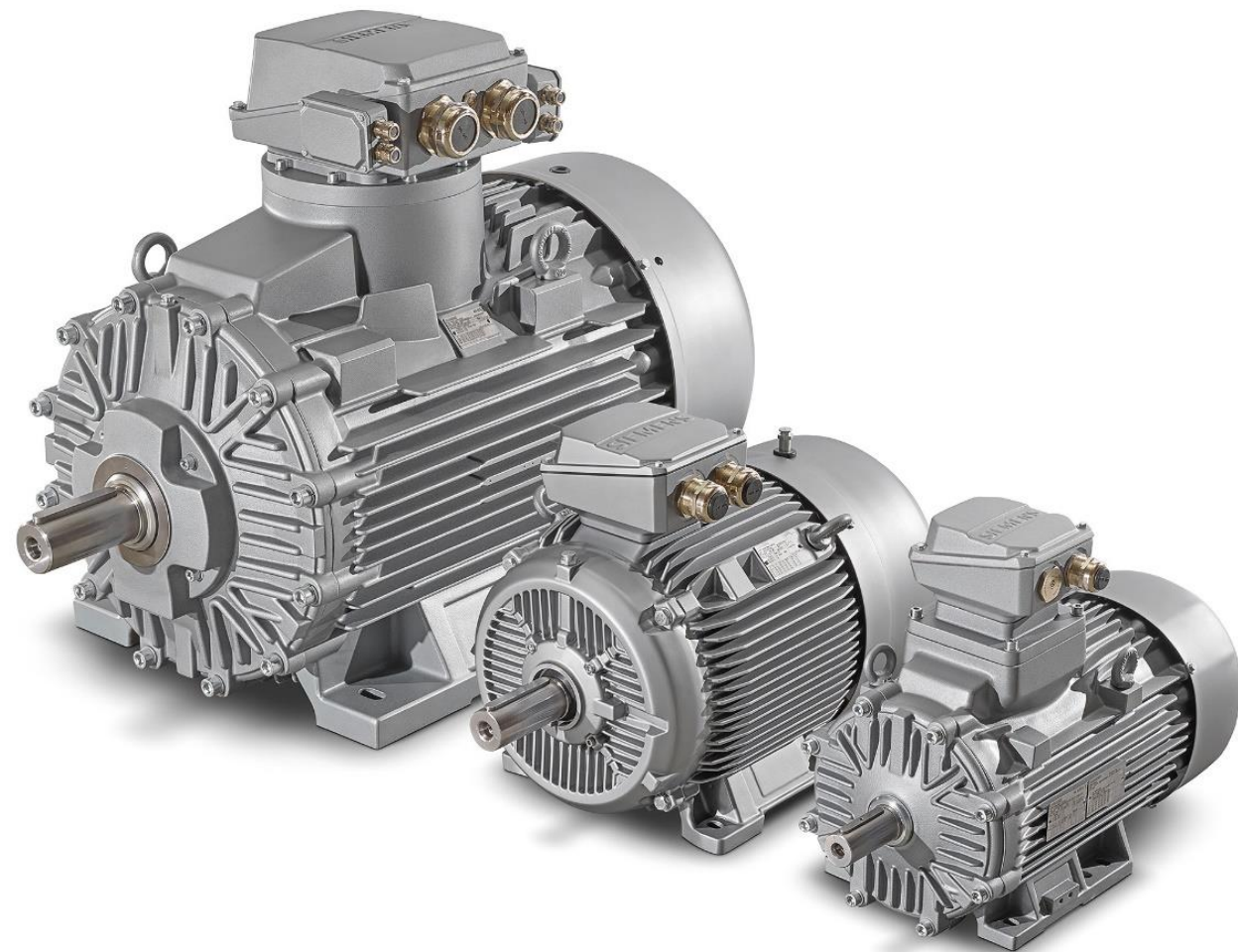
SIMOTICS XP (Explosion proof)

1MB10... hliníková kostra

1MB15/1MB16/1MB55... litinová kostra

os.v. 71 - 450mm

0,12 – 1000kW



SIMOTICS – jednotlivé řady

SIMOTICS DP (Definite purpose)

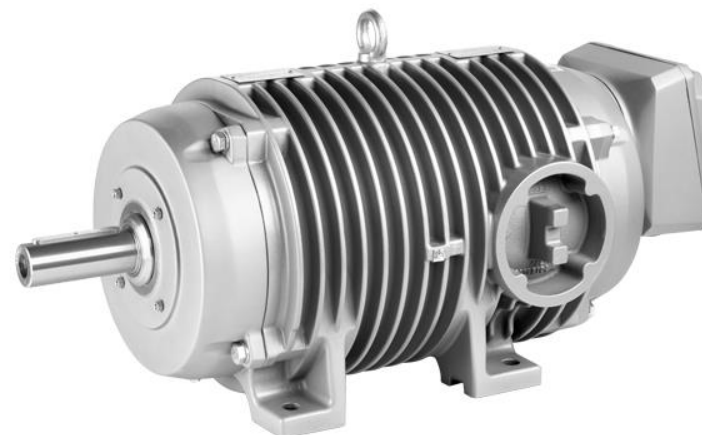
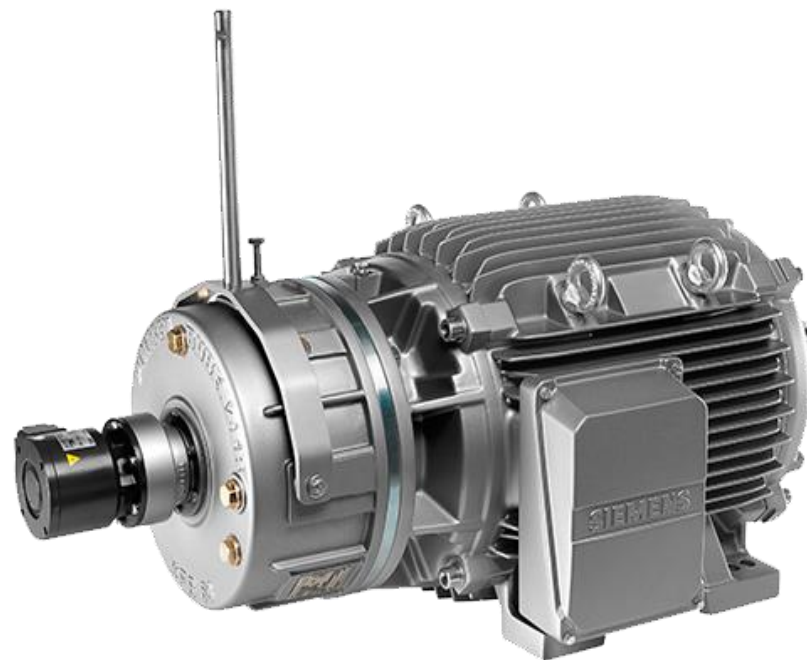
1PC1..., 1LE1...

Marine motors - lodní

Crane motors - jeřábové

Steel plant motors - pro metalurgický prům.

Roller table – pro válečkové tratě



SIMOTICS – jednotlivé řady

Výrobní závody

Mohelnice - os.v. 63-200mm

Frenštát p.R. - os.v. 225-355mm

Norimberk - os.v. 400-450mm



Účinnosti elektromotorů - MEPS

MEPS - Minimum Energy Performance Standard



- Pro snížení spotřeby energie stanovují země minimální účinnosti pro elektromotory v tzv. “Minimum Energy Performance Standards” (Normy minimální energetické náročnosti)
- Motory lze v příslušných zemích provozovat pouze tehdy, pokud splňují příslušné požadavky
- S novým nařízením Komise č.1781/2019, se zohledňuje také provoz s frekvenčním měničem

Účinnosti elektromotorů pro EHP



Klasifikace dle normy ČSN EN (IEC) 60 034-30-1

Platí pro:

2, 4, 6, 8-pólové elektromotory

0,12 – 1000kW

Nad 50V až 1000V; 50Hz, 60Hz, 50/60Hz

- IE1 – standardní účinnost (Standard)
- IE2 – zvýšená účinnost (High)
- IE3 – vysoká účinnost (Premium)
- IE4 – velmi vysoká účinnost (Super-Premium)

Účinnosti elektromotorů pro EHP

Výjimky

- Motory ponořené zcela do kapaliny
- Motory zcela integrované do výrobku (např. elektropřevodovky, pumpy, ventiliátory nebo komprerory), jejichž účinnost nemůže být změřena nazávisle na výrobku
- Motory, které jsou speciálně vyrobeny pro provoz v následujících podmínkách:
 - Vyšší nadmořská výška než 4000 metrů
 - Teplota okolí vyšší než +60°C
 - Teplota okolí nižší než -30°C
 - Nebezpečné prostředí v souladu s Directive 2014/34/EU of the European Parliament and Council;

Netýká se

- Přepolované motory
- Synchronní motory
- Pro provoz S2-S9
- Jednofázové motory
- Motory speciálně vyvinuté pro provoz s frekvenčním měničem podle IEC 60034-25

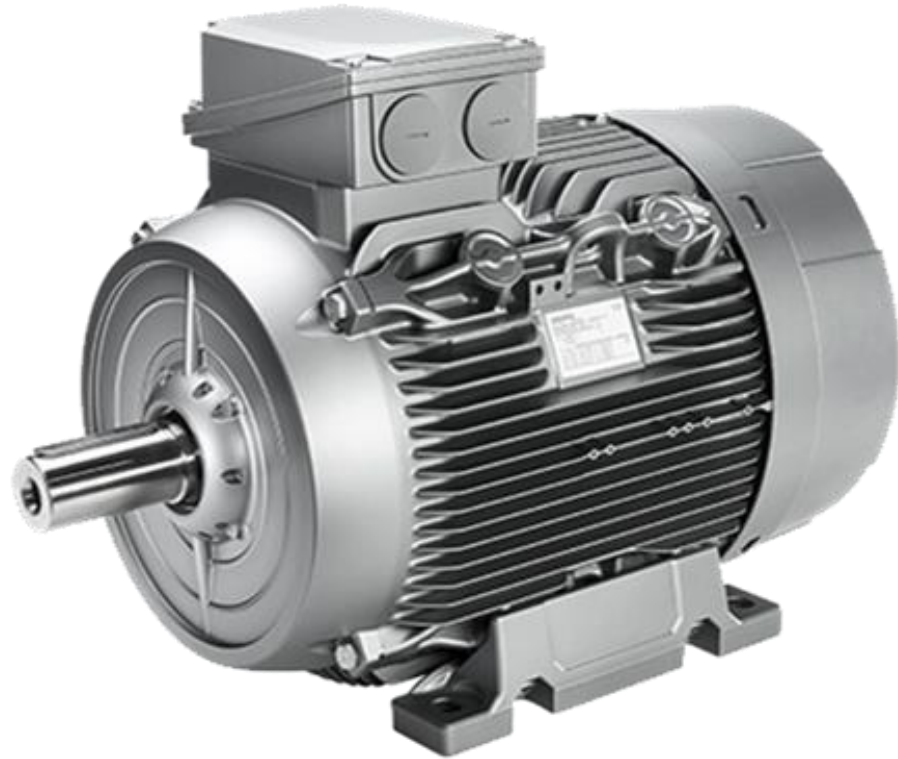
Účinnosti elektromotorů pro EHP



Nařízení komise (EU) 2019/1781 ze dne 1. 10. 2019, od 1. 7. 2021 platí:

- Pro 2, 4, 6, 8-póly
 - 0,12 - 0,75 kW minimálně IE2
 - 0,75 - 1000kW minimálně IE3
- Platí i pro všechny Ex-motory mimo Ex eb (zajištěné prov.)
- Platí i pro brzdové motory
- Motory pro provoz S1, S3>80%, S6>80%
- Motor provozovaný s měničem už není výjimka z IE3 - Motor při provozu s FM musí být IE3

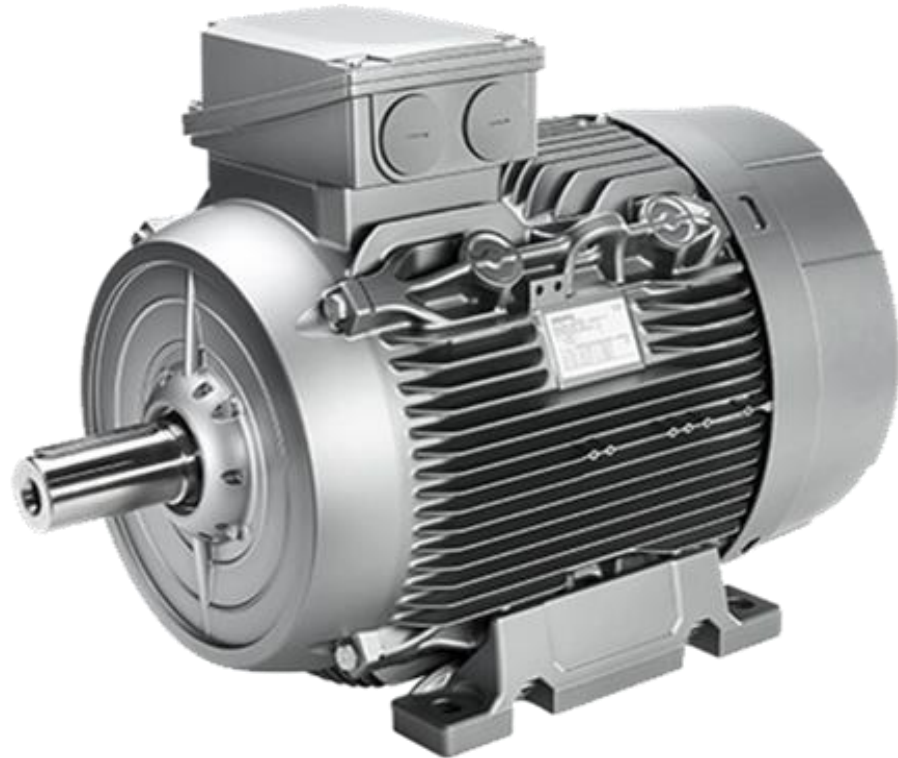
Účinnosti elektromotorů pro EHP



Nařízení komise (EU) 2019/1781 ze dne 1. 10. 2019, od 1. 7. 2023 bude platit:

- Pro 2, 4, 6, 8-póly
 - Jednofázové motory $\geq 0,12$ kW min. IE2
 - Ex eb (zajištěné provedení) 0,12 -1000kW min. IE2
- Pro 2, 4, 6-póly; mimo Ex (nevýbušné) motory
 - 75 – 200kW min. IE4

Účinnosti elektromotorů pro EHP



Odpovědnost

Povinnost vhodně používat elektromotory odpovídající účinnosti je aplikovatelná jen v rámci evropského hospodářského prostoru

a je na výhradní odpovědnosti zákazníka

MEPS průvodce
Provedeme Vás!

meps.siemens.com

- ✓ Rychlý a snadný výběr země
- ✓ Všechny požadavky týkající se země na jednom místě
- ✓ Aktuální stav a budoucí požadavky na motory a pohony
- ✓ Aktuální informace se všemi výjimkami

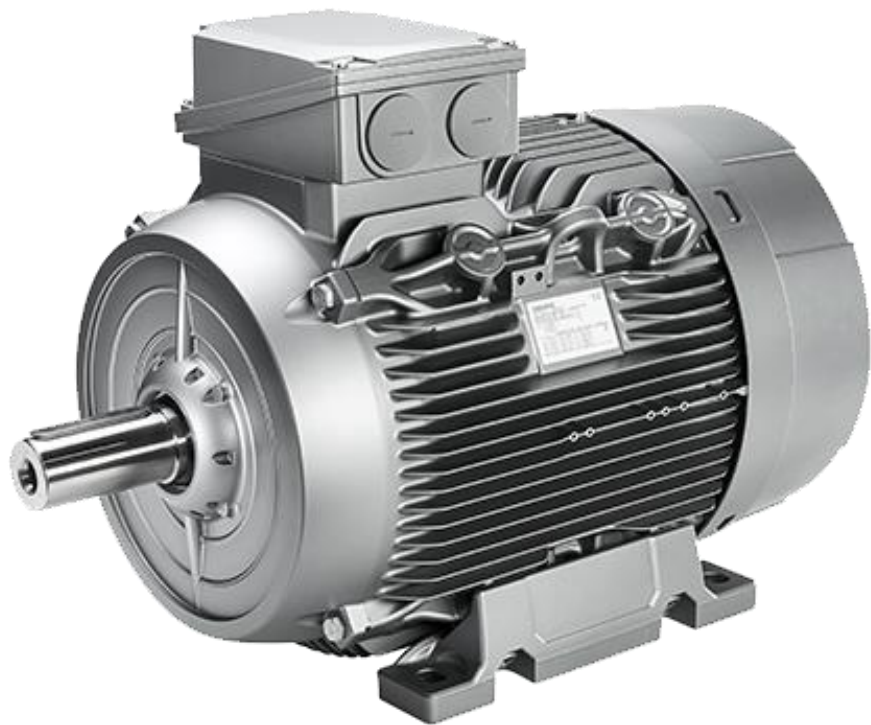


Rozdíly

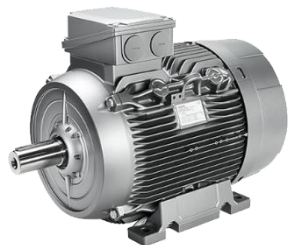
1LE1 vs 1LE5

1LE5 – next generation

Rozdíly 1LE1 vs 1LE5



Rozdíly 1LE1 vs 1LE5

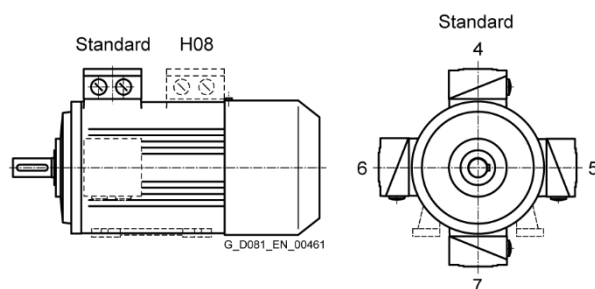


1LE1 – os.v. 63 – 315mm

1LE5 – os.v. 315 – 450mm



Umístění svorkovnicové skříně



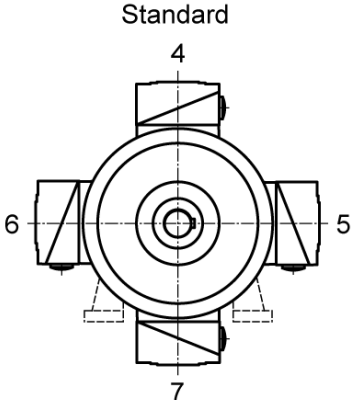
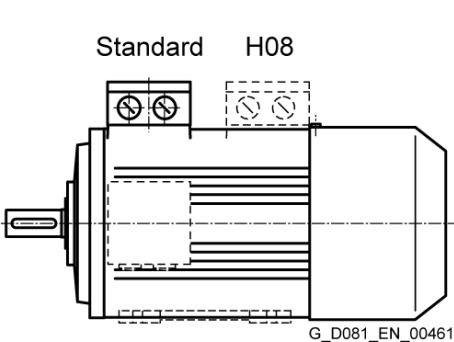
Pozor při náhradě 1LA8 – patky - připojovací rozměry

IMB5 bez nebo s podporou

Simotics Connect



Rozdíly 1LE1 vs 1LE5

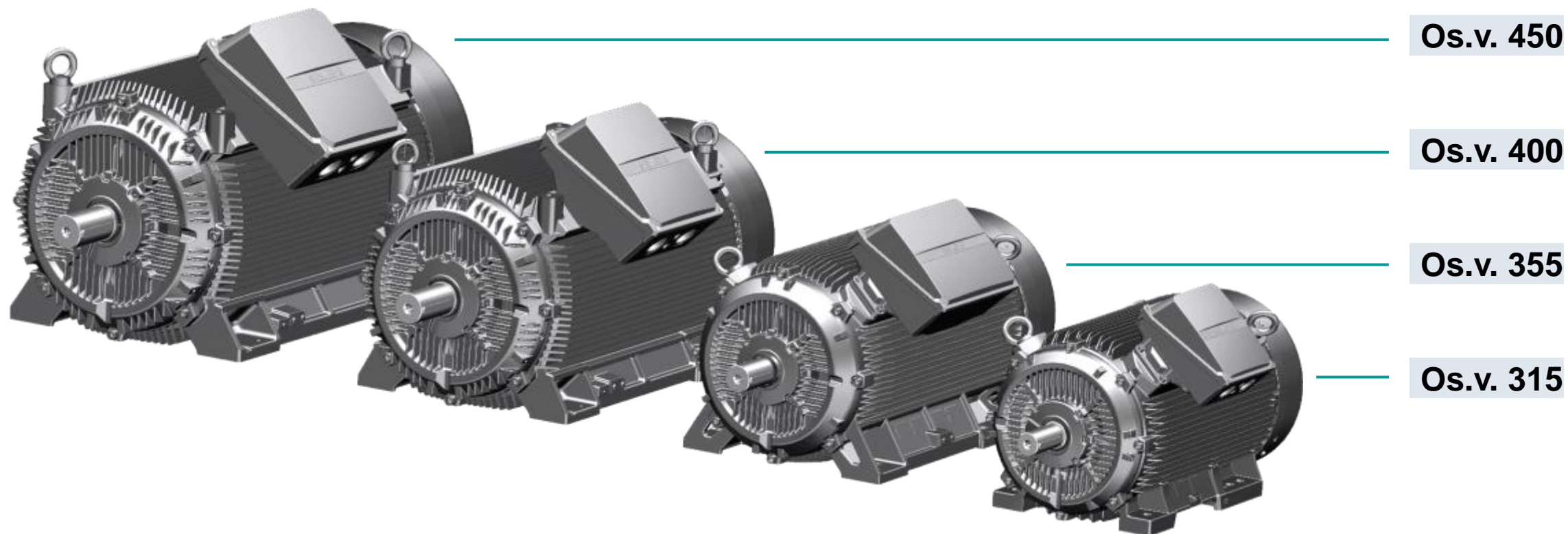


Terminal box positions

Standard ²⁾	Rotated 180° ²⁾	Rotated 90°, cable entry DE ²⁾	Rotated 90°, cable entry NDE ²⁾
1LE5...-Z	1LE5...-Z	1LE5...-Z	1LE5...-Z
6	6 R12	6 R10	6 R11
2	2 R12	2 R10	2 R11
0	0 R12	0 R10	0 R11
1	1 R12	1 R10	1 R11
3	3 R12	3 R10	3 R11
5	5 R12	5 R10	5 R11

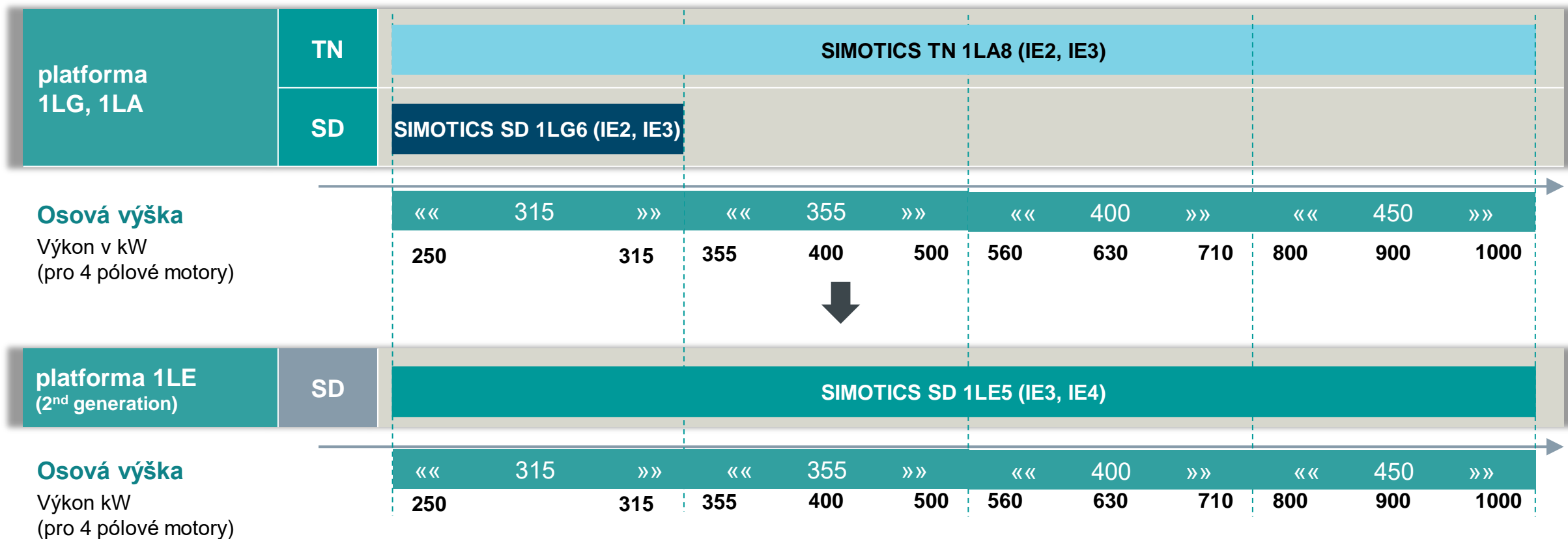


SIMOTICS SD next generation platform – 1LE5 - osové výšky 315 až 450:



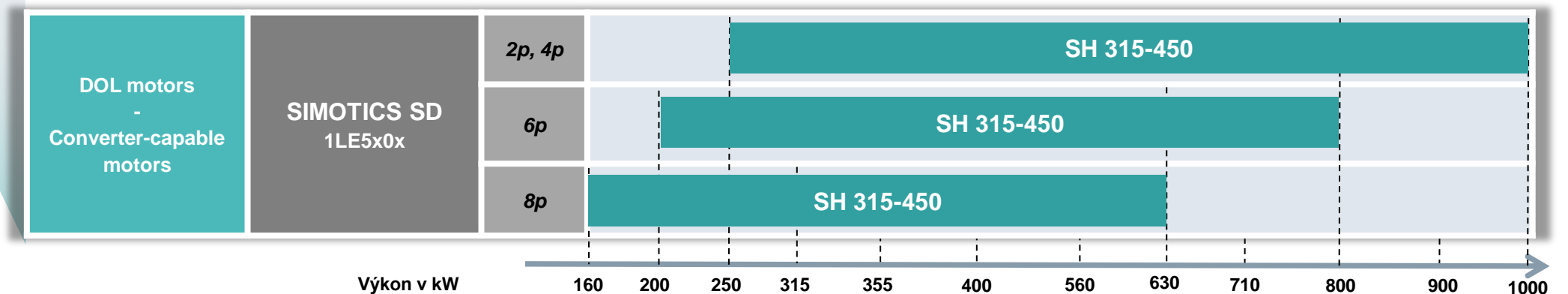
SIMOTICS SD next generation – 1LE5

Náhrada řad 1LA8 a 1LG6

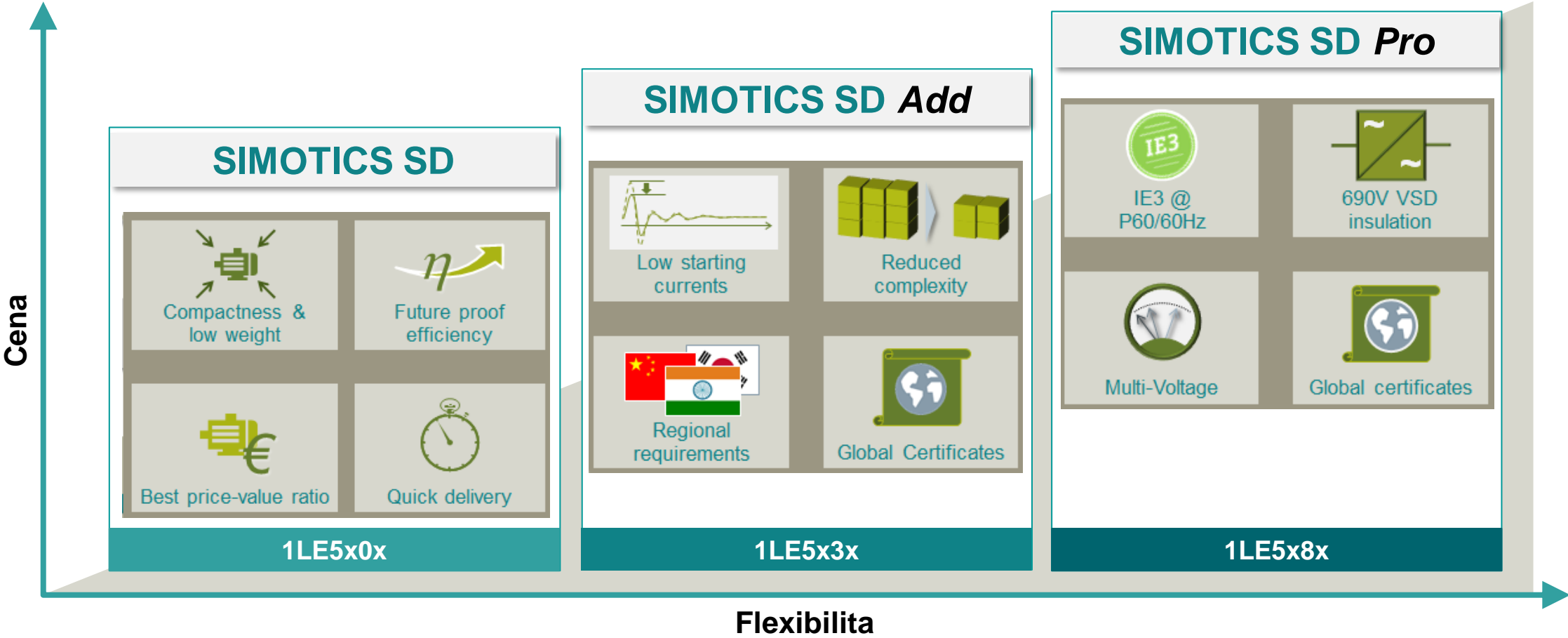


SIMOTICS SD next generation – 1LE5

SIMOTICS®												
 LV Motors for DOL and VFD operation							 Motors For Motion Control			DC motors	HV motors	
General Purpose	Severe Duty	Explosion Protected	Definite Purpose	Flexible Duty	Trans-norm	High Torque	Servo	Main	Linear	Torque	Direct Current	High Voltage
GP	SD	XP	DP	FD	TN	HT	S	M	L	T	DC	HV
												



SIMOTICS SD next generation – 1LE5


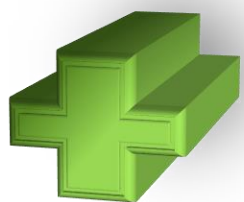


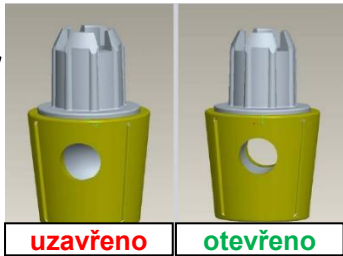


Rozdíly

1LE15 vs 1LE16

Rozdíly 1LE15 vs 1LE16

VÝZNAM	Basic Line – 1LE15	Performance Line – 1LE16
Řada ložisek	62 (63 od velikosti 280)	63
Domazávání	bez (lze zvolit) (Standard od velikosti 280)	standard * <small>* osová velikost 100L až 132M ...s trvalou tukovou náplní , domazávání ≥ 160mm</small>
Nátěrový systém	standardní nátěr (PÚ) stupeň korozivní agresivity C2 – nízká	speciální nátěr (PÚ) stupeň korozivní agresivity C3 – střední
Odkapávací otvory	odkapávací zátka	T-Drains 
Výkonnostní štítek	plastový	ocelový
Tepelná ochrana	bez	PTC termistory
Kryt ventilátoru	PVC	plechový
Záruka	12 měsíců	36 měsíců 



Novinky v oblasti elektromotorů

Novinky v oblasti elektromotorů



UK Conformity Assessed – Posouzení shody ve Spojeném království

Původní termín byl 1.1.2022 – odklad o 1 rok

Týká se:

Standardní elektromotory:

1LE10, 1LE1[56], 1LE5

1PC1

Ex-elektromotory:

1MB1, 1MB5 (Ex tb, tc, eb, ec, db)

*Ex motory vyžadují certifikaci třetích stran

Pro všechny elektromotory bude připraveno na konci března 2022

Novinky v oblasti elektromotorů



Od listopadu 2021 jsme změnilí koncept ložisek/ložiskových štítů pro elektromotory SIMOTICS GP/SD/XP/DP 1LE1/1MB1/1FP1/1PC1 v os.v. 180 a 200 následovně:

Původní koncept

- motory v základním provedení (včetně atributů L22 a L25) byly dodávány s -1Z ložisky
- 1Z = jednostranně uzavřené ložisko

Nový koncept:

- motory v základním provedení (včetně atributů L22 a L25) jsou dodávány s -2Z ložisky
- 2Z = oboustranně uzavřené ložisko

Neplatí pro:

motory s domazáváním

motory pro zónu 1 s typem ochrany Ex db, Ex db eb

motory se speciálními ložisky

Novinky v oblasti elektromotorů



Od října 2021 je v nabídce pro elektromotory SIMOTICS os.v. 100 – 200

F04 – montáž brzdy PRECIMA

Výhody:

- vysoká odolnost
- krytí IP66
- přídržná/dynamická brzda
- cenově příznivá
- nátěr C3 jako standard

Novinky v oblasti elektromotorů



Během I.Q 2022 došlo u Ex-motorů k následující změně:

V základním provedení jsou dodávány bez kabelových vývodků, s certifikovanými zátkami

Rozšíří se možnosti vyspecifikování kabelových vývodků pro:

Nepancéřové typy kabelů:

- kovové vývodky (R15, R18)
- kovové vývodky pro stíněné kabely (R14, R16)

Pancéřové typy kabelů:

- kovové vývodky (R45, R46)



Novinky v oblasti elektromotorů

SIEMENS								IE4			
D-90441 Nürnberg											
3-ДВИГ 1CV4354B 1LE56343BB434AA3-Z UC 2020/2345678 001 001 RS S104											
IEC/EN 60034 355L IMB3 Терм.кл.155(F) -20°C<=Т.окр.ср.<= 40 °C											
Вибрация В IP55 2000 м 2080 кг Обогрев. 110/230 В											
IC411 60r 6320-C4-50											
60r 6320-C4-50											
6000с KLUBERELECTRIC HB72-102 SF 1.15 KS C IEC60034-2-1											
В	Гц	А	кВт	cosφ	Ном.КПД	об/мин	IE-Кл				
400 Δ	50	700	400	0.85	96.7	1491	IE4				
690 Y	50	405	400	0.85	96.7	1491	IE4				
460 Δ	60	610	400	0.85	96.8	1793	IE4				
460 Δ	60	690	460	0.86	96.8	1791	IE4				
460 Δ	60	580	375	0.84	96.8	1793	IE4				
Сделано в Чешской Республике											

SIEMENS								VIK		IE2			
D-90441 Nürnberg													
Mot-3 1CV2184B 1PC13411EB490AA4 UC 2001/2345678 001 001 S104													
IEC/EN 60034 180L IMB3 155(F) ف.ح.م°40 =>م°-20													
B الاهتزاز IP55 2550 متر 200 كجم 115/230 فلط سخان موتور 115/230 В													
IC410 10 جم 6210-ZC3													
10 جم 6210-ZC3													
8000 ساعة UNIREX-N3													
BKF458-20E المكبح													
AC 230 فلط 50/60 هرتز 10.50 أمبير													
315 ف.ح. 155(F) ن.م													
4200 لفة/دقيقة Nmax													
فلط	هرتز	أمبير	كيلو واط	م.قدرة	ف.ك.اس	لفة/دقيقة	IE-CL						
690 Δ	50	24.0	22.0	0.84	91.6	1465	IE2	S1					
690 Δ	50	27.0	24.6	0.85		1460		S3 60%					
690 Δ	50	30.0	27.5	0.85		1455		S3 40%					
690 Δ	50	35.0	32.0	0.86		1445		S3 25%					
صنع في جمهورية التشيك													

SIEMENS								VIK		IE4			
D-90441 Nürnberg													
3-MOT 1TV4184B 1FP15141EB421AA4 UD 2020/2345678 001 001 DNV GL S104													
IEC/EN 60034 180L IMB3 Терм.кл.155(F) -25°C<=Кор.орт.Т<=40 °C													
вибрациясы В IP55 1100 м 182 кг Жылытқыш 115/230 В													
IC410 60r 6210-ZC3													
40r 6210-ZC3													
20000с KLUBERELECTRIC HB72-102 SF 1.15													
ТЕК ТҮРЛ-ГІШ РЕЖИМІ АИМ SINAMICS G120 PM230 Нмакс 3000 айн/мин													
В	Гц	А	кВт	cosφ	Нм	айн/мин	ПӘК	IE-Кл	КОД				
380 Y	50	50	22.0	0.71	140	1500	94.5	IE4	60012				
440 Y	60	49.0	25.3	0.72	134	1800	94.5	IE4					
440 Y	60	43.0	22.0	0.71	117	1800	94.5	IE4					
380 Δ	87	87	38.3	0.70	140	2610	95.2	IE4					
Чехияда жасалған													

Rozšíření atributů pro SIMOTICS GP/SD/DP/XP o:

M30 – výkonový štítek v ruském jazyce

M31 – výkonový štítek v saudskoarabském jazyce

M32 – výkonový štítek v kazachšském jazyce

Výběr elektromotoru v DT konfigurátoru

DT Configurator

Link:

<https://mall.industry.siemens.com/mall/en/de/catalog/products/10028832?tree=CatalogTree&activeTab=order>

3 možnosti, jak použít

- 1) **Easy Selection SIMOTICS LV-motors – novinka**
- 2) **Přímé vložení MLFB**
- 3) **DT Konfigurátor**

1. možnost

1) Easy Selection SIMOTICS LV-motors – novinka

DT Configurator

The screenshot displays the Siemens Industry Mall website. At the top left is the Siemens logo. The main header includes the text 'INDUSTRY MALL' and 'Product catalogue and online ordering system for Industries and Smart Infrastructure.' Below the header is a navigation bar with links for 'Home', 'Deutsch', 'Contact', and 'Help'. A search bar labeled 'Site Explorer' is also present.

The breadcrumb trail indicates the current location: 'Home > Catalog > Motors > Low-Voltage Motors (standard industrial motors)'. The left sidebar shows a 'Product Catalog' tree with a teal arrow pointing to the 'Low-Voltage Motors (standard industrial motors)' category. The main content area is titled 'Low-Voltage Motors (standard industrial motors)' and has two tabs: 'Product Information' and 'Configurators'. Under the 'Configurators' tab, there is a 'Select a Configurator' dropdown menu with a teal arrow pointing to the 'Drives Technology Configurator' option. Below this, there is a 'Drives Technology Configurator' section with a 'Start' button and a teal arrow pointing to it. A descriptive text block states: 'The DT configuration tool is an easy and fast way to order mechanical components, inverters and motors. Documentation and information for the selected product are available for download (CAD, data sheet, ...).'

DT Configurator



Log in Additional actions Support Language

Drives Technology Configurator

Search for (e.g. 1LE1004-1AA43-4AA4-Z B02+500)

The screenshot displays the DT Configurator interface. It features a navigation bar with the Siemens logo and user options. Below the navigation bar, the title 'Drives Technology Configurator' is visible, along with a search bar. The main content area is divided into two steps: '1 Select Type of Product' and '2 Select Category'. Under '1 Select Type of Product', there are three options: 'Motors' (represented by a motor icon), 'Converters' (represented by a square icon with wavy lines), and 'Systems and other components' (represented by a chain-link icon). A large teal arrow points to the 'Motors' option. To the right of the selection area, there is a 3D visualization of industrial drive components, including a motor and a power supply unit, set against a dark background with blue grid lines.



DT Configurator

Easy Selection SIMOTICS LV-motors



Log in Additional actions Support Language

Drives Technology Configurator

Search for (e.g. 1LE1004-1AA43-4AA4-Z B02+S00)

The screenshot shows the DT Configurator interface with three main sections: 1 Motors, 2 Select Category, and 3 Product Family. A red arrow points to the 'Easy Selection SIMOTICS LV-motors' option in the Motors section.

- 1 Motors
 - Guided motor selection low voltage
 - Easy Selection SIMOTICS LV-motors **NEW**
 - Easy Selection SIMOTICS HV-motors **NEW**
 - IEC low-voltage motors for line and converter operation
 - Explosion proof IEC low-voltage motors for line and converter operation
 - Converter Duty Motors
 - NEMA low-voltage motors for line and converter operation
 - High-voltage motors for line and converter operation, incl. LV designs
 - High-voltage generators
- 2 Select Category
 - Show all products ...
- 3 Product Family
 - Servo drive systems
 - SIMOTICS S servo motors
 - SIMOTICS M main motors
 - SIMOTICS L linear motors
 - SIMOTICS T torque motors
 - Geared motors / servo geared motors
 - Motor spindle



DT Configurator

Easy Selection SIMOTICS LV-motors



Support English

Easy Selection SIMOTICS LV-motors

Motor Features

Speed delivery off

Power [kW]

15

1500 rpm

All filters

15 kW x 1500 rpm x IM B3 / IM 1001 x



DT Configurator

Easy Selection SIMOTICS LV-motors

SIEMENS
Ingenuity for life

Easy Selection SIMOTICS LV-motors

Motor Features

Speed delivery off

Power [kW]

15

1500 rpm

All filters

Basic Filter

Certificates

Documentation

Mechanical version

Painting

Bearings

RESET ALL FILTERS


15 kW x 1500 rpm x IM B3 / IM 1001 x

DT Configurator

Easy Selection SIMOTICS LV-motors

15 kW x 1500 rpm x IM B3 / IM 1001 x

<




SIMOTICS GP
1LE10031DB434AA4

Power	15
Efficiency Class	IE3
Line	Basic
Size of motor	160 L
more	

4.120 € Speed delivery
list price from **32 days**

[Datasheet & Drawing](#)

[+ Select](#)




SIMOTICS GP
1LE10231DB434AA4

Power	15
Efficiency Class	IE3
Line	Basic electr. acc to NEMA
Size of motor	160 L
more	

4.620 € **40 days**
list price from

[Datasheet & Drawing](#)

[+ Select](#)




SIMOTICS GP
1LE10041DB434AA4

Power	15
Efficiency Class	IE4
Line	Basic
Size of motor	160 L
more	

4.970 € **50 days**
list price from

[Datasheet & Drawing](#)

[+ Select](#)



SIMOTICS GP
1LE10011DB434AA4

Power	15
Efficiency Class	IE2
Line	Basic
Size of motor	160 L
more	

3.630 € **40 days**
list price from

[Datasheet & Drawing](#)

[+ Select](#)

>

DT Configurator

Easy Selection SIMOTICS LV-motors

Filter active x 15 kW x 1500 rpm x IM B3 / IM 1001 x



SIMOTICS GP

1LE10041DB434AA4

Power	15
Efficiency Class	IE4
Line	Basic
Size of motor	160 L
∨ more	

5,312.93 € **65 days**
list price from

- Datasheet & Drawing
- + Select



SIMOTICS GP

1LE10031DB434AA4

Power	15
Efficiency Class	IE3
Line	Basic
Size of motor	160 L
∨ more	

Best price **Speed delivery**
4,404.28 € **47 days**
list price from

- Datasheet & Drawing
- + Select



DT Configurator

Easy Selection SIMOTICS LV-motors


Filter active x 15 kW x 1500 rpm x IM B3 / IM 1001 x



SIMOTICS GP

1LE10041DB434AA4

Power	15
Efficiency Class	IE4
Line	Basic
Size of motor	160 L
Torque	97
Efficiency	93.9
Ia/In	7.8
^ less	


5,312.93 € 65 days
list price from 

[Datasheet & Drawing](#)
[+ Select](#)

SIMOTICS GP

1LE10031DB434AA4

Power	15
Efficiency Class	IE3
Line	Basic
Size of motor	160 L
Torque	97
Efficiency	92.1
Ia/In	8.5
^ less	

Best price Speed delivery
4,404.28 € 47 days
list price from 

[Datasheet & Drawing](#)
[+ Select](#)

DT Configurator

Easy Selection SIMOTICS LV-motors

Filter active x 15 kW x 1500 rpm x IM B3 / IM 1001 x



SIMOTICS GP
1LE10041DB434AA4

Power	15
Efficiency Class	IE4
Line	Basic
Size of motor	160 L
v more	

5,312.93 € **65 days**
list price from

[Datasheet & Drawing](#)

[- Select](#)

Modify

[Add to cart](#)

SIMOTICS GP
1LE10031DB434AA4

Power	15
Efficiency Class	IE3
Line	Basic
Size of motor	160 L
v more	

Best price **Speed delivery**

4,404.28 € **47 days**
list price from

[Datasheet & Drawing](#)

[+ Select](#)

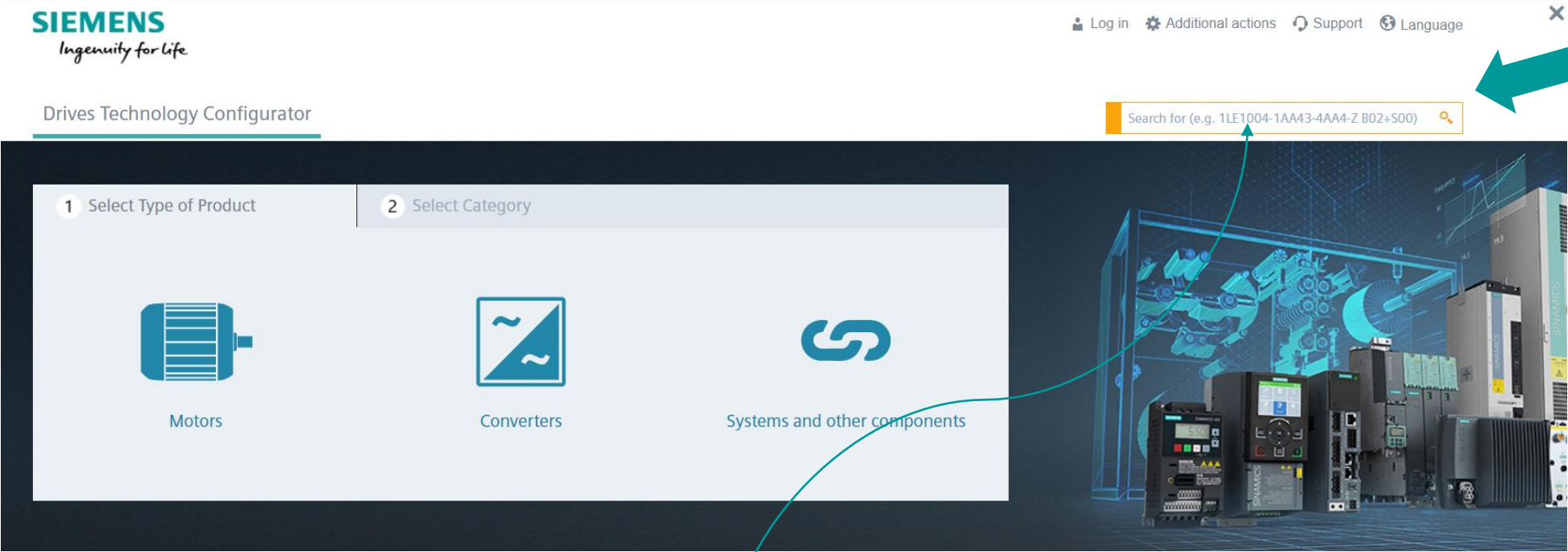
2. možnost

2) Přímé vložení MLFB

DT Configurator přímé vložení MLFB

The screenshot displays the Siemens Industry Mall website. The top navigation bar includes 'Home', 'Deutsch', 'Contact', 'Help', 'Site Explorer', and 'Product'. The main content area is titled 'Low-Voltage Motors (standard industrial motors)'. On the left, a 'Product Catalog' sidebar is visible, with a teal arrow pointing to the 'Low-Voltage Motors (standard industrial motors)' category. The main content area has two tabs: 'Product Information' and 'Configurators'. Under 'Configurators', there is a dropdown menu with three options: 'Drives Technology Configurator', 'Guided Motor Selection', and 'Drives Technology Configurator'. A teal arrow points to the second 'Drives Technology Configurator' option. Below the dropdown, there is a 'Start' button with a teal arrow pointing to it. The page also features a description of the DT configuration tool and an image of industrial components.

DT Configurator přímé vložení MLFB



1LE1603-2AB53-4AB4-Z B02+F70+L51

DT Configurator přímé vložení MLFB

mall.industry.siemens.com/spice/pcmplus/app

Aplikace Konfigurátor AGT Dle výrobního čísla HiLink Motors Virtual RC-CZ DI Events -... SIOS Spare parts motors... LVM Index Majetek MPM Welcome Seznam četby

SIEMENS
Ingenuity for life

Additional actions List of products Support Language

/ Direct input (order number) / SIMOTICS GP/SD/XP - 1LE1/1MB1

1LE1603-2AB53-4AB4-Z 12,059.12 EUR 3,014.78 EUR 60 day(s) 251.00 kg PM300: Active product
B02+F70+L51 List price Your price Standard delivery time Weight Product lifecycle

✓ The configuration is complete. You can order this product. Filter (e.g. "power", ...)

To run the startup calculation, please choose a voltage.

(B02) Acceptance te... (F70) IC416 - separa... (L51) with

Input Options 1 Options 2 Diagrams CAD KB version: 2.456

Line

Target region (Norm)
 Europe (IEC) Eurasian Customs Union (EAC) China (CEL)

Explosion protection (Zone)
 without (Safe Area)

Type
 SIMOTICS GP/SD Standard

Line
 Cast iron Performance Line

Electrical parameter

Duty type S1 (standard)

Efficiency class IE3

Frequency 50 Hz

Voltage

Winding selection (34) 400 VΔ / 690 VY 50Hz, 460 VΔ 60Hz

Synchronous speed 1500 1/min

Power demand 22.01 ≤ ≤ 30.00 kW

Increased power No

size of motor 200 l

Environmental conditions

Used as Temperature class 155(F) utilized 130(B)

Site altitude 1000

Coolant temperature maximum 40

Coolant temperature minimum -20 °C

Mechanical Parameter

Cooling Type IC416 - separately ventilated, surface cooled (F70) [Price: + 2,050.00 EUR]

Terminal box position (4) at the top

Type of construction (A) IM B3 / IM1001

Type of flange without

Flange size -/-

Canopy no

Bolted on mounting feet (instead of cast)

Visualization

Documents Reset configuration + Add product Cancel

DT Configurator přímé vložení MLFB

The screenshot shows the Siemens DT Configurator web application interface. The browser address bar displays `mall.industry.siemens.com/spice/pcmplus/app/`. The page header includes the Siemens logo and navigation links such as 'Additional actions', 'List of products', 'Support', and 'Language'. The main content area shows a motor configuration for '1LE1603-2AB53-4AB4-Z B02+F70+L51'. A 'Documentation and reporting' dialog box is open, allowing users to choose languages for the data sheet (English and German are selected), download document types (Datasheets, Dimension drawings, 3D PDF, 3D STEP), and select download formats (All in a ZIP file, All in a single PDF file, All in a single RTF file). The dialog also lists component documentation options for the 'Low voltage motor (1LE1603-2AB53-4AB4-Z B02+F70+L51)'. The background configuration page includes sections for 'Line' (Target region, Explosion protection, Type, Line), 'Electrical parameter' (Duty type, Efficiency class, Frequency, Voltage, Winding selection, Synchronous speed, Power demand, Increased power, size of motor), and 'Visualization' (Bolted on mounting feet). A 'Start generation' button is visible in the dialog box.

DT Configurator přímé vložení MLFB

mall.industry.siemens.com/spice/pcmplus/app/

Aplikace Konfigurátor AGT Dle výrobního čísla HiLink Motors Virtual RC-CZ DI Events ... SIOS Spare parts motors... LVM Index Majetek MPM Welcome Seznam čety

SIEMENS
Ingenuity for Life

Additional actions List of products Support Language

Direct input (order number) / SIMOTICS GP/SD/XP - 1LE1/1MB1

1LE1603-2AB53-4AB4-Z
B02+F70+L51

251.00 kg Weight PM300: Active product Product lifecycle

Filter (e.g. "power", ...)

KB version: 2.456

155(F) utilized 130(B)
1000
40
-20 °C

IC416 - separately ventilated, surface cooled (F70) [Price: + 2,050.00 EUR]
(4) at the top
(A) IM B3 / IM1001
without
-/-
no

Documents Reset configuration + Add product Cancel

Documentation and reporting

- Dimension drawings (DWG)
- 3D PDF
- 3D STEP

Selection of download format

All in a ZIP file All in a single PDF file All in a single RTF file

Component documentation

- Low voltage motor (1LE1603-2AB53-4AB4-Z B02+F70+L51)
 - Data sheet (PDF)
 - Data sheet (DOCX)
 - Dim draw PDF (takes approx 1 min)
 - Dim draw DXF (takes approx 1 min)
 - 3D PDF (takes approx 1 min)
 - 3D STEP (takes approx 1 min)
 - Terminal box drawing
 - linkFactory certification 2.2
 - linkSafety instructions
 - linkOperating instructions
 - linkEC Declaration of Conformity
 - CAD display and download
 - Circuit diagram

© Siemens AG | Application Information

Start generation

Input Options 1 Options 2 Diagrams CAD

Line

Target region (Norm)
 Europe (IEC) Eurasian Customs Union (EAC) China (CEL)

Explosion protection (Zone)
 without (Safe Area)

Type
 SIMOTICS GP/SD Standard

Line
 Cast iron Performance Line

Electrical parameter

Duty type S1 (standard)

Efficiency class IE3

Frequency 50 Hz

Voltage

Winding selection (34) 400 VΔ / 690 VY 50Hz, 460 VΔ 60Hz

Synchronous speed 1500 1/min

Power demand 22.01 ≤ ≤ 30.00 kW

Increased power No

size of motor 2001

Bolted on mounting feet (instead of cast) Visualization

DT Configurator

3. možnost

3) DT Konfigurátor

DT Configurator

The screenshot shows the Siemens Industry Mall website's DT Configurator for IEC motors. The browser address bar shows the URL: `mall.industry.siemens.com/mall/en/cz/Catalog/Products/10139507?tree=CatalogTree`. The page header includes the Siemens logo, the user name "Petr Pavlík (czcheck)", and a "Logout" link. Below the header is a navigation bar with "Home", "Language", "Contact", "Help", "Site Explorer", and "Product Search".

The main content area is titled "IEC motors" and features a "Product Information" tab and a "Configurators" tab. Under "Configurators", there is a "Select a Configurator" dropdown menu with the following options:

- SIMOTICS GP/SD/XP - 1LE1/1MB1 (highlighted with a teal arrow)
- SIMOTICS SD next generation 1LE5
- SIMOTICS FD Flexible Duty
- SIMOTICS GP/SD - VSD
- Guided Motor Selection
- Drives Technology Configurator
- SIMOTICS FD Flexible Duty
- SIMOTICS GP/SD - VSD

Below the dropdown is a "SIMOTICS GP/SD/XP" section with an image of a motor and descriptive text. At the bottom of this section, there is a "Direct input (complete):" field with the value "1" and two "Start" buttons. A teal arrow points to the right "Start" button.

On the left side, there is a "Product Catalog" sidebar with a tree view. A teal arrow points to the "IEC motors" folder, which is expanded to show sub-categories like "SIMOTICS GP General Purpose Motors", "SIMOTICS SD Severe Duty Motors", and "SIMOTICS XP explosion-protected motors".

On the right side, there is a "All about IEC motors" section with a list of links: "Presales Info", "Catalog and ordering system online", "Technical info", "Support", "Contact & partners", and "Service offers".

DT Configurator



SIEMENS
Ingenuity for life

SIMOTICS GP/SD/XP - 11

.....-.....-.....

on request
List price

on request
Your price

on request
Standard delivery time

on request
Weight

on request
Product lifecycle

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

Filter (e.g. "power", ...)

KB version: 2.430

Input Options 1 Options 2 Diagrams

Line

Target region (Norm)
 Europe (IEC) USA/Canada (EISA) Asia/Pacific (APAC) Korea (KS C) Eurasian Customs Union (EAC) China (CEL)

Explosion protection (Zone)
 without (Safe Area) Ex ec (Zone 2) Ex tb (Zone 21) Ex tc (Zone 22) Ex eb IIC (Zone 1) Ex db IIC (Zone 1)

Type
 SIMOTICS GP/SD Standard SIMOTICS GP/SD Premium insulation SIMOTICS XP

Line
 Aluminum Cast iron Basic Line Cast iron Performance Line

Electrical parameter

Duty type S1 (standard) S9 Inverter

Efficiency class IE1 IE2 IE3 IE4 MG1 12-11 MG1 12-12

Frequency

Voltage

Winding selection

Synchronous speed

Power demand 0.07 ≤ ≤ 300.00

Increased power No Yes

size of motor

Motor protection

Environmental conditions

Used as Temperature class 155(F) utilized 130(B)

Site altitude 1000

Coolant temperature maximum 40

Coolant temperature minimum -20 °C

Mechanical Parameter

Cooling Type IC411 - self ventilated, surface cooled

Terminal box position

Type of construction

Type of flange

Flange size -/

Canopy

Bolted on mounting feet (instead of cast)

Reset configuration


Documents Reset configuration Add to Cart Cancel






DT Configurator

SIEMENS
Ingenuity for Life

SIMOTICS GP/SD/XP - 1LE1/1MB1

1LE1503-1DB43-4AB4-Z  on request
B02+F76+L23+N03+Y53+Y82 on request
List price Your price Standard delivery time Weight Product lifecycle

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

Please note: Special coating system "sea air resistant" C4 is the standard coating for engines of the Performance-Line with the option increased humidity/temperature with 60-100 g water per m3 air (N31) at the same time.

(B02) Acceptance te... (F76) Yes (L23) Yes (Y82) Supplem...

Input Options 1 Options 2 Diagrams KB version: 2.430

Documentation

- (B02) Acceptance test certificate 3.1 acc. to EN 10204
- (B01) With safety and commissioning information for each lattice pallet
- (B60) Document - electrical datasheet
- (B61) Document - order dimension drawing

Operating instructions in German/English included (paper)

Documentation Package

Fan

Low-noise version for 2-pole motors

Housing fan

Metal external fan

Shaft and rotor

Concentricity of shaft extension

Shaft extension DE

Shaft extension NDE

Vibration severity

Balancing

Signage

- (B07) Supplementary plate, voltage tolerance
- (Y80) Supplementary plate or rating plate with deviating rating plate data
- (Y82) Supplementary plate with order data

Order data:

- (Y84) Additional data on the rating plate and on the packing label
- (M10) Additional rating plate, loose

Rating plate, stainless steel

- (Y85) Adhesive type label, supplied loose
- (Y88) Barcodelabel-customer specific implementation
- (Y98) Special language Motor manual


Bearing

Type of bearing


Regreasing device

Vibration Sensor


DT Configurator



Ingenuity for Life



SIMOTICS GP/SD/XP - 1LE1/1MB1

1LE1503-1DB43-4AB4-Z 

B02+F76+L23+N03+Y53+Y82




5,497.30 EUR
List price


1,374.32 EUR
Your price

50 day(s)
Standard delivery time

127.00 kg
Weight

PM300: Active product
Product lifecycle

 Additional actions  Support  Language

 The configuration is complete. You can order this product.

Please note: Special coating system "sea air resistant" C4 is the standard coating for engines of the Performance-Line with the option increased humidity/temperature with 60-100 g water per m3 air (N31) at the same time.

(B02) Acceptance te... (F76) Yes (L23) Yes (Y82) Supplementar...

Input Options 1 Options 2 Diagrams Startup calculation CAD

KB version: 2.430

Documentation

- (B02) Acceptance test certificate 3.1 acc. to EN 10204
- (B01) With safety and commissioning information for each lattice pallet
- (B60) Document - electrical datasheet
- (B61) Document - order dimension drawing

Operating instructions in German/English included

Documentation Package

Fan

Low-noise version for 2-pole motors

Housing fan

Metal external fan

Shaft and rotor

Concentricity of shaft extension

Shaft extension DE

Shaft extension NDE

Vibration severity

Balancing

Signage

- (B07) Supplementary plate, voltage tolerance
- (Y80) Supplementary plate or rating plate with deviating rating plate data
- (Y82) Supplementary plate with order data

Order data:

- (Y84) Additional data on the rating plate and on the packing label
- (M10) Additional rating plate, loose

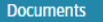
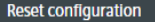


Rating plate, stainless steel

- (Y85) Adhesive type label, supplied loose
- (Y88) Barcodelabel-customer specific implementation
- (Y98) Special language Motor manual

Bearing

Type of bearing

Regreasing device

 Documents  Reset configuration  Add to Cart  Cancel

DT Configurator Digitalization – G81



Additional actions Support Language



SIMOTICS SD next generation 1LE5

1LE5503-3AB73-4AB3-Z

G81

63,606.00 EUR
List price

16,219.53 EUR
Your price

15 day(s)
Standard delivery time

1,560.00 kg
Weight

PM300: Active product
Product lifecycle

✓ The configuration is complete. You can order this product.

Filter (e.g. "power", ...)

Protection class of the SIMOTICS Connect 400 housing IP54. If the ambient conditions according to IP54 cannot be guaranteed at the place of use and therefore higher requirements are necessary for the protection class, safe operation requires additional measures by the user.

(G81) Attachment SI... X

KB version: 1.095

- Input
- Options 1
- Options 2
- Documentation / Test
- Diagrams
- Startup calculation
- CAD

Line

Target region (Norm)

Europe (IEC) Eurasian Customs Union (EAC) China (CEL)

Explosion protection (Zone)

without (Safe Area)

Type

SIMOTICS SD SIMOTICS SD Add SIMOTICS SD Pro

Line

Cast iron Basic Line Cast iron Performance Line

Environmental conditions

Used as Temperature class (Standard) 155(F) or (F / B)

Site altitude up to 1000m

Coolant temperature maximum 40 °C

Coolant temperature minimum -20 °C

Digitalization

Attachment SIMOTICS Connect 400 (IP54 degree optional possible of protection):

(G81) Attachment SIMOTICS CONNECT 400



Electrical parameter

Efficiency class IE3 IE4

Frequency 50 Hz

Voltage 400 V

Winding selection (34) 400 VΔ / 690 VY 50Hz, 460 VΔ 60Hz

Synchronous speed 1500 1/min

Power demand 188.00 ≤ 315.00 ≤ 315.00

size of motor 315 L

Motor protection (B) 3 PTC thermistors - for tripping (2 terminals)

Mechanical Parameter

Cooling type IC411 - self ventilated, surface cooled

Terminal box position (3) (Standard) box at the angle 45°, socket right

Type of construction (A) IM B3 / IM1001

Type of flange / Flange size without

Canopy No

visualization:



- Documents
- Reset configuration
- Add to Cart
- Cancel

DTC - SPC – Siemens Product Configurator

DTC bude nahrazen **SPC – Siemens Product Configurator**

Uvolnění konec května 2022

Portfólio obsažené v DTC bude dostupné v SPC

SPC bude integrováno s iMALL

DTC bude dostupné paralelně s SPC, do doby kompletního „překlopení“

SPC je rychlejší, chytřejší a efektivnější

*

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