SIEMENS

Generators

Modular Industrial Generators SIGENTICS M

Catalog
D 85.1

Edition
2017

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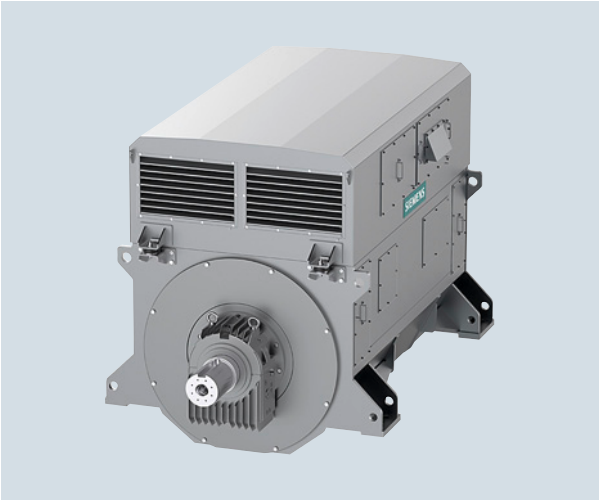
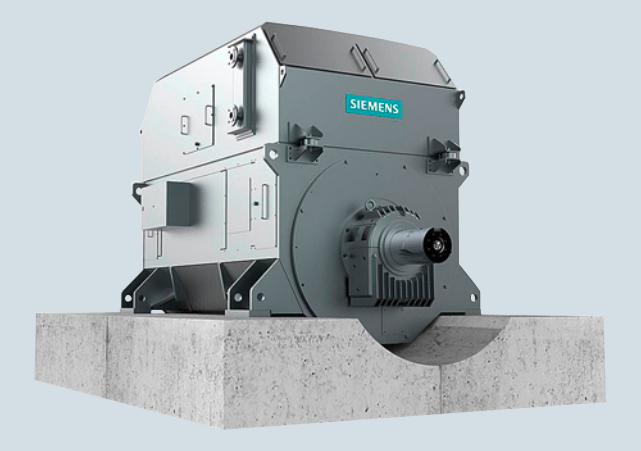
Generators



Catalog D 85.1 · 2017

Introduction

Overview



The SIGENTICS M (modular) series is the new generation of high performance synchronous alternators from Siemens. It is based on the proven design of Siemens generators, powering diverse applications all around the world. The one and a half century of know-how and tradition of building rotating electric machines enables Siemens to pursue leadership in energy efficiency and operational reliability of its products. This expertise is making customers not just more competitive but also enables them to focus on their core competences.

The SIGENTICS M is also offering high flexibility in electrical parameters helping customers to come up with innovative solutions. This does not come at the cost of standardization. The new modular frame, featuring a variety of cooling options, helps to keep a highly standardized and compact design which simplifies the customers' engineering in the planning phase and improves the generator delivery times during the project realization.

The covered international standards and certifications together with the stiff and rugged frame make the SIGENTICS M suitable for a broad range of applications – even in the most demanding conditions.

In this catalog, the SIGENTICS M generator series in the high-voltage version is described.

The SIGENTICS M generators are modular self-ventilated, either open air-cooled or closed air/water-cooled with a wide range of standard options.

In addition to the general technical data, this catalog includes detailed descriptions of the standard versions and the options that can be supplied by specifying order codes. It should be noted that certain order codes and combinations of order codes are not possible for all generator types. Customized solutions can be offered on request.

Benefits

SIGENTICS M – main highlights at a glance:

- Designed to provide optimization for the customer driver, with maximum flexibility for component configuration.
- Superior performance and efficiency up to 98.4 %
- Highest power utilization for smallest dimensions and less weight to save resources and space
- Outstanding technical reliability and life time
- Lowest noise and vibration levels
- Short delivery time and higher delivery reliability
- Comprehensive program of monitoring services

Overview

The following overview explains the meaning of the individual positions of the Article No. The selection tables in Chapter 2 include the generators available as standard.

Ordering data:

- Complete Article No. and order code(s).
- If a quotation is available, in addition to the Article No., the quotation number should also be specified.
- When ordering a complete generator as a spare part, please specify the factory serial No. of the previously supplied generator as well as the Article No.

Structure of the Article No.:	Position:	1	2	3	4	5	6	7	-	8	9	10	11	12	-	13	14	15	16	Z
1st to 4th position: Generator rotor design	With laminated cylindrical rotor	1	D	T	1															
	With laminated salient pole rotor	1	D	K	1															
5th to 6th position: Corresponding shaft height	450 mm					0	5													
	500 mm					0	6													
	560 mm					0	8													
	630 mm					1	0													
	710 mm					1	2													
	800 mm					1	4													
	900 mm					1	6													
7th position: Excitation method	Static excitation							0												
	Brushless exciter							1												
	Brushless exciter and auxiliary winding							2												
	Brushless exciter and PMG pilot exciter							3												
	Brushless exciter and Boost system							4												
	Brushless exciter and Thyripart							5												
	Special excitation principle							9												
8th to 9th position: Core length	Coded									0 ... 9	A ... Z									
10th position: Rated voltage, frequency	3.3 kV, 50 Hz											E								
	4.16 kV, 60 Hz											F								
	6.3 kV, 50 Hz											H								
	6.6 kV, 60 Hz											K								
	11 kV, 50 Hz											N								
	13.8 kV, 60 Hz											R								
11th to 12th position: Number of poles	4-pole												0	4						
	6-pole												0	6						
	8-pole												0	8						
	10-pole												1	0						
	12-pole												1	2						
	14-pole												1	4						
13th position: Ex-Protection	Without Ex-protection															0				
	ATEX, Zone 2, Ex ec															3				
	IECEx, Zone 2, Ex ec															6				
14th position: Cooling method	Direct, open-circuit ventilation with air ducts (IC31)																E			
	Direct, open-circuit ventilation (IC01)																F			
	Direct, open-circuit ventilation with weather protection (WPII)																H			
	Indirect, closed-circuit ventilation with air-to-air heat exchanger and ext. fan in secondary circuit (IC616 / TEAAC)																K			
	Indirect, closed-circuit ventilation with air-to-water heat exchanger (IC81W / TEWAC)																N			
15th position: Mounting type	IM100x, IM110x																	A		
	IM120x, IM130x																	B		
	IM200x, IM240x																	C		
	IM210x																	D		
16th position: Category	Anti-friction bearings																		1	
	Sleeve bearings																		2	
Z position:	Options: Additional order code required. Refer to Chapter 3.																			Z

Overview

Performance features of the SIGENTICS M series

The SIGENTICS M series of generators is characterized by:

- Modular design (main generator housing with different possible cooling top enclosures)
- Longest lifetime and highest reliability
- Globally proven Siemens MICALASTIC insulation system
- Extended range of options, that allow the generator to be adapted to customer requirements

Series	Version	Voltages	Powers	Degree of protection	Cooling method	Type of Ex protection	Type of construction
1DT1	IEC	3.3 kV ... 13.8 kV	2400 kVA ... 20100 kVA	IP23	IC01	–	IM 1001
1DK1				IP54	IC31[1)]		IM 1101
					IC81W		

Cooling method	
IC01	Direct air cooling, open circuit ventilated
IC31[1)]	Direct air cooling, inlet and outlet ducted
IC81W	Indirect air-water cooling

Degree of protection	
IP23	Open
IP54	Enclosed, protected against dust and splashed water from all directions

Type of construction	
IM 1001	Horizontal, with feet, without flange
IM 1101	Horizontal, with elevated feet, without flange

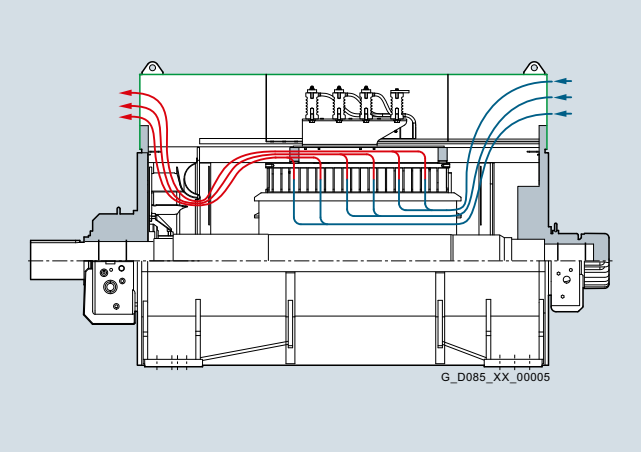
1) On request.

Mode of operation

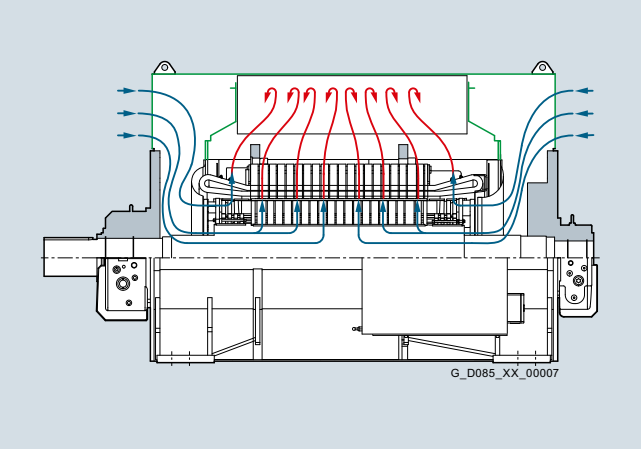
The following diagrams show the general mode of operation of the cooling. They do not include any design details.

Open-circuit ventilation (IC01)

1DK1 series with one-sided ventilation

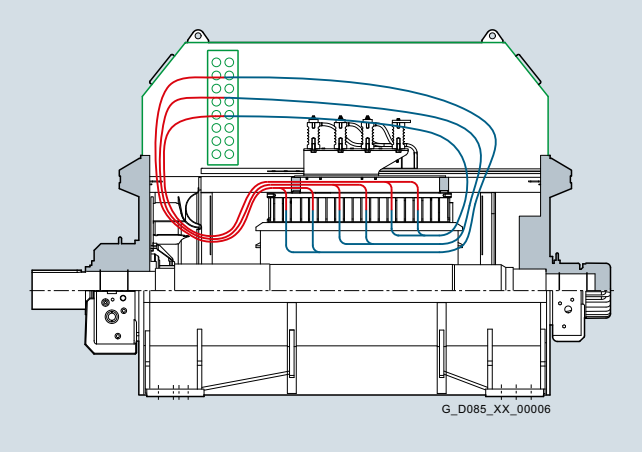


1DT1 series with two-sided ventilation

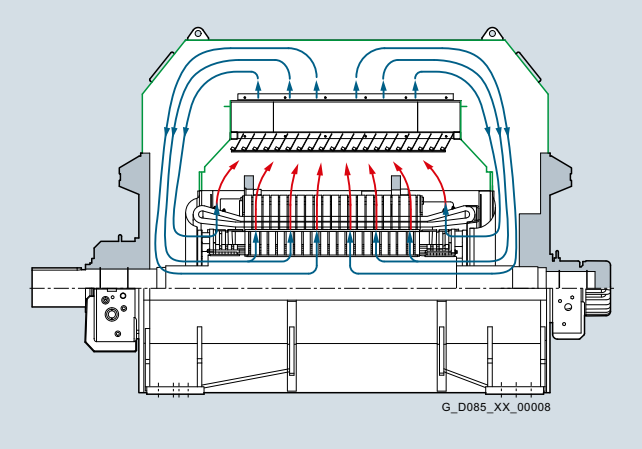


Air/water heat exchanger (IC81W)

1DK1 series with one-sided ventilation



1DT1 series with two-sided ventilation



Overview

Generator protection

A series of standard and optional monitoring and protective devices are available for generator protection.

Protective device	Description
Stator winding monitoring	6 Pt100 resistance thermometers for temperature monitoring as standard.
Sleeve bearing monitoring	Pt100 resistance thermometer for temperature monitoring as standard. Optional for circulating oil cooling: Throttle valves and flowmeter in the oil intake line. Optional bearing housing vibration monitoring.
Shaft vibration monitoring	Optional for generators with sleeve bearings.
Air temperature monitoring in the cooling circuit	Optional using a Pt100 resistance thermometer in the cooler assembly on the air intake and air discharge side flow.
Leakage water monitoring	For water-cooled generators, sensors in the cooler housing as standard
Anti-condensation heating	Standard for SIGENTICS M
Differential protection	Current transformers

Electrical design

SIGENTICS M generators have the Siemens MICALASTIC insulation system according to thermal class 155 (F).

The rotor designs of SIGENTICS M generators are as follows:

Shaft height	Rotor design with number of poles					
mm	4	6	8	10	12	14
710	Cylindrical	Salient pole	Salient pole	Salient pole	Salient pole	Salient pole
800	Cylindrical	Salient pole	Salient pole	Salient pole	Salient pole	Salient pole

Overview

The generator terminal boxes are generously dimensioned. This design allows cables, which are generally used worldwide, to be simply and quickly connected up as well as to accommodate all of the generally used cable entry fittings.

Dimensional drawings

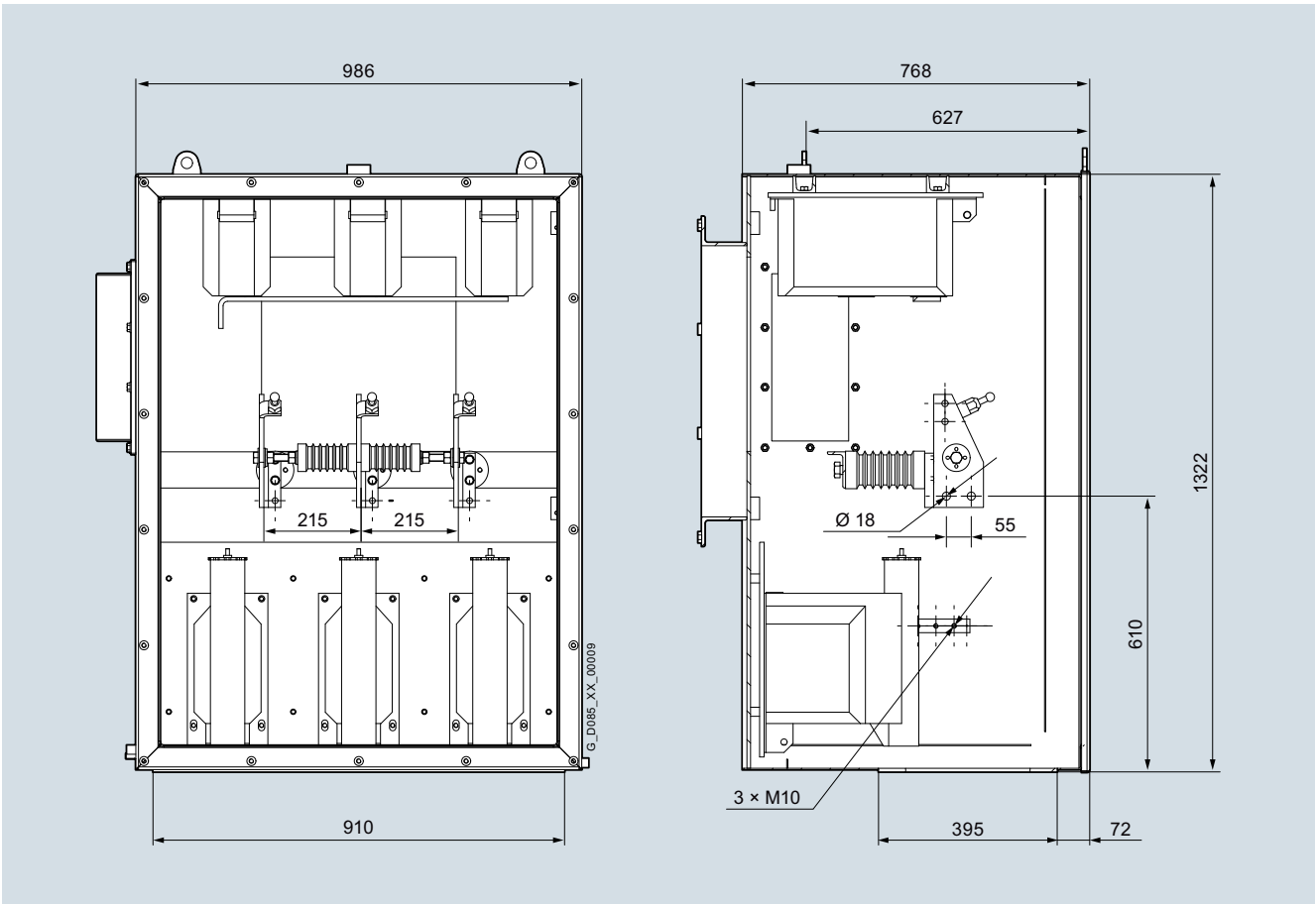
Arrangement of the generator for the terminal box (standard version):

For the 4-pole generators

The generator terminal boxes comprise a lower section or housing, bolted to the stator frame, and a removable cover.

When viewing the drive side, the terminal box is mounted at the right-hand side of the stator frame with the cable entry from bottom. When requested, it can be mounted on the left-hand side. Also optionally the generators can be ordered with the cable entry from top of the terminal box or from the non-drive end side.

The degree of protection of the terminal box is IP55. (Higher protection classes are available on request.)



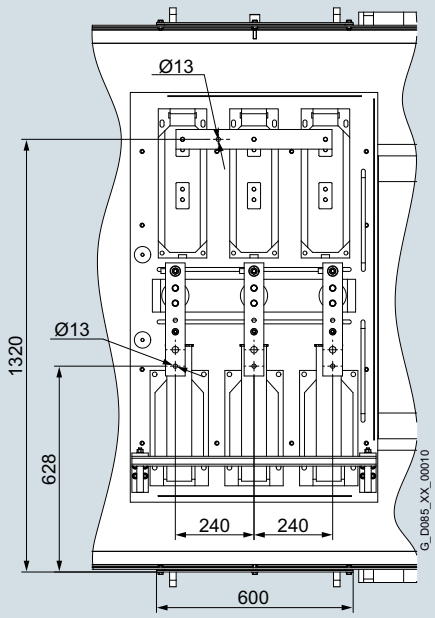
Dimensional drawings (continued)

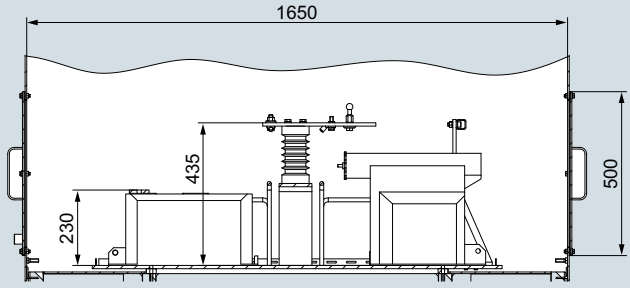
For the 6- to 14-pole generators

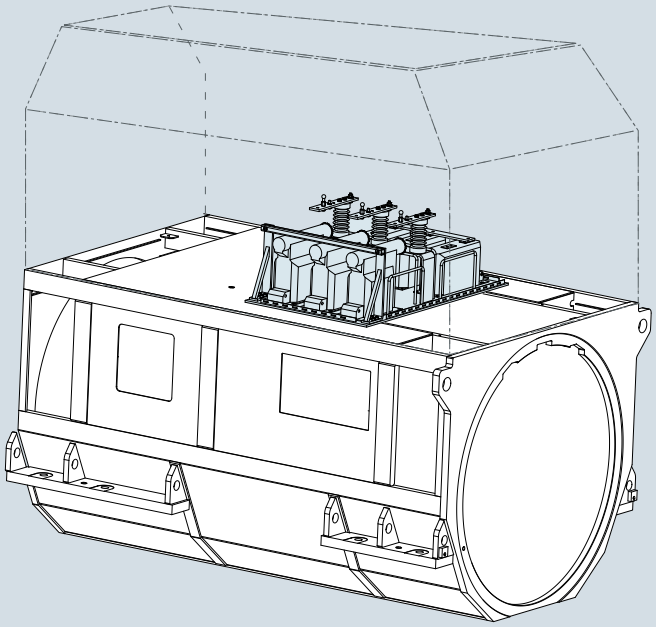
The terminal boxes are placed on top of the stator covered by the cooler housing.

When viewing the drive side, the cable entry is from the right-hand side. When requested, the cable entry can be placed from the left-hand side.

The degree of protection in this case (6 to 14 poles) is IP54. (Higher protection classes are available on request.)







Additional information

The terminal arrangement is carried out according to DIN 42962.

All terminal boxes have cast-resin post insulators with bolted busbars.

Further, all terminal boxes are short-circuit proof. If arcs occur in the terminal box, the pressure generated is immediately dissipated using a pressure relief mechanism.

Generator connecting cables and cable entry fittings are not supplied with the generator.

Overview

Bearing version

Generators in shaft heights 710 and 800 have sleeve bearings as a standard. The bearing cooling concept depends on the speed and application.

The drive end (DE) bearing is fixed; the non-drive end (NDE) is floating as standard in order to cope with shaft thermal expansion. Optionally, the generators can be equipped with both DE and NDE floating bearings with limited axial play (option **Q01**).

Each bearing is equipped with oil ring[1)] as a standard.

Overview, bearing versions

Shaft height Article No. 5th and 6th digit	**Number of poles** Article No. 11th and 12th digit	**Oil** ISO VG	**T [°C]**	**Core length** Article No. 8th and 9th digit	
12 (710 mm)				**1A** … **1M**	**1N** … **2H**
	04 (4-pole) **06** (6-pole) **08** (8-pole)	46	40	Forced lubrication/Own lubrication unit	
	10 (10-pole)	46	40	Permanent filling – self lubricated	Forced lubrication/Own lubrication unit
	12 (12-pole) **14** (14-pole)	68	40	Permanent filling – self lubricated	
14 (800 mm)				For all core lengths **1F** ... **2M**	
	04 (4-pole) **06** (6-pole) **08** (8-pole) **10** (10-pole)	46	40	Forced lubrication/Own lubrication unit	
	12 (12-pole) **14** (14-pole)	46	40	Permanent filling – self lubricated	

Bearing insulation

NDE bearing is insulated, DE is not, however DE insulated bearing can be ordered optionally (option **L18**).

1) For marine applications with inclinations please see chapter 5 "Generators for marine applications".

Notes

Technical data

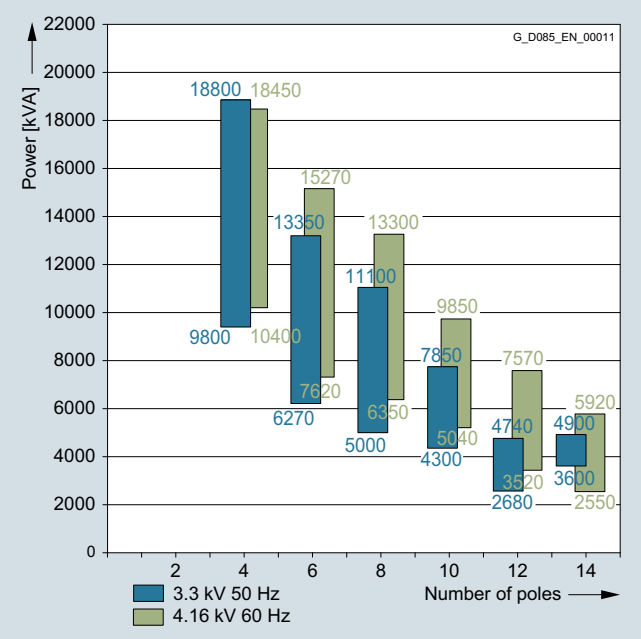
Overview

SIGENTICS M 1DT1/1DK1	
Rated voltage	3.3 …13.8 kV
Rated frequency	50/60 Hz
Generator type	Synchronous AC generator with brushless exciter
Type of construction	IM1001, IM1101
Degree of protection	IP54
Cooling method	IC01/IC81
Stator and rotor winding insu-lat,ion	Thermal class 155 (F), fully utilized
Shaft height	710 … 800 mm
Bearings	Sleeve bearings
Standards	IEC, EN
Frame design	Welded modular housing

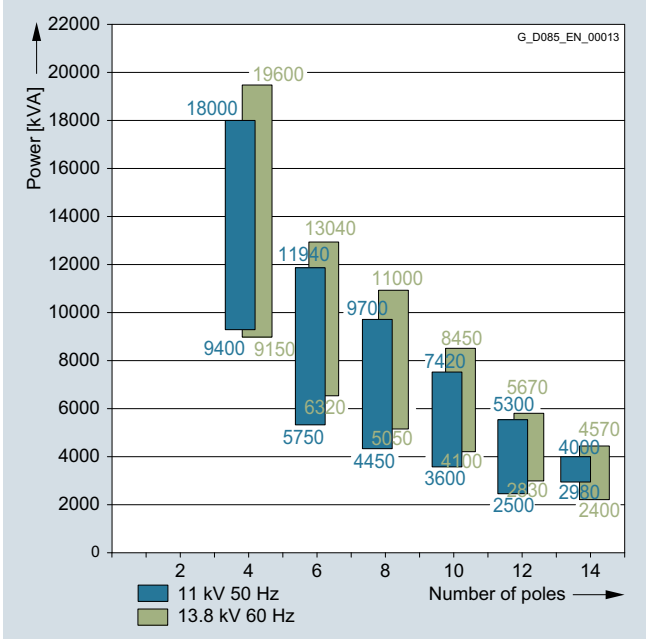
Overview

Insulation system, thermal class 155 (F), fully utilized. Ambient temperature up to 40 °C, installation altitude up to 1000 m.

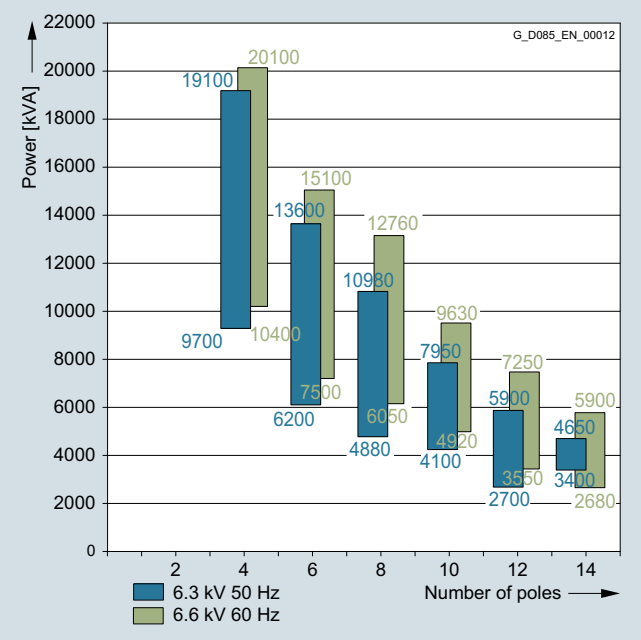
3.3 to 4.16 kV



11.0 to 13.8 kV



6.3 to 6.6 kV



Selection and ordering data

Rated power	**SIGENTICS M Industrial applications**	Rated current	Efficiency		Subtransient reactance	Moment of inertia
IEC		I_{rated}	Utilization to class 155 (F)	Utilization to class 130 (B)	x_d'' (sat.)	
kVA	Article No.	A	%	%	p. u.	kgm^2
3.3 kV, 50 Hz, power factor 0.8 lagging						
4-pole						
9800	**1DT1122-1PE04-0■A2**	1715	97.56	97.68	0.199	376
10700	**1DT1122-1TE04-0■A2**	1872	97.60	97.71	0.174	406
12300	**1DT1122-2CE04-0■A2**	2152	97.78	97.87	0.161	468
14000	**1DT1142-1XE04-0■A2**	2449	97.97	98.05	0.184	624
18800	**1DT1142-2ME04-0■A2**	3289	97.87	98.02	0.126	769
6-pole						
6270	**1DK1122-1DE06-0■A2**	1097	96.88	97.05	0.221	388
7200	**1DK1122-1KE06-0■A2**	1260	97.01	97.19	0.219	458
8000	**1DK1122-1TE06-0■A2**	1400	97.30	97.44	0.194	550
9270	**1DK1122-1WE06-0■A2**	1622	97.53	97.62	0.152	587
10770	**1DK1142-1KE06-0■A2**	1884	96.97	97.11	0.226	791
11190	**1DK1142-1PE06-0■A2**	1958	97.05	97.17	0.205	868
12640	**1DK1142-1VE06-0■A2**	2211	97.24	97.35	0.202	985
13350	**1DK1142-2BE06-0■A2**	2336	97.30	97.39	0.176	1082
8-pole						
5000	**1DK1122-1FE08-0■A2**	875	96.92	97.15	0.224	486
5450	**1DK1122-1JE08-0■A2**	954	97.10	97.32	0.211	529
6080	**1DK1122-1PE08-0■A2**	1064	97.13	97.34	0.206	598
6800	**1DK1122-1VE08-0■A2**	1190	97.27	97.46	0.197	682
7350	**1DK1122-2CE08-0■A2**	1286	97.45	97.59	0.172	766
7880	**1DK1142-1JE08-0■A2**	1379	96.82	97.00	0.222	848
8100	**1DK1142-1LE08-0■A2**	1417	96.95	97.08	0.196	891
8700	**1DK1142-1PE08-0■A2**	1522	96.96	97.12	0.203	956
9430	**1DK1142-1TE08-0■A2**	1650	97.08	97.22	0.194	1042
10200	**1DK1142-1XE08-0■A2**	1785	97.11	97.26	0.198	1129
11100	**1DK1142-2EE08-0■A2**	1942	97.26	97.40	0.194	1260
10-pole						
4300	**1DK1122-1JE10-0■A2**	752	96.72	96.93	0.202	636
4500	**1DK1122-1ME10-0■A2**	787	96.78	96.99	0.214	686
5100	**1DK1122-1SE10-0■A2**	892	97.01	97.19	0.190	771
5650	**1DK1122-1YE10-0■A2**	988	97.05	97.17	0.166	872
6240	**1DK1142-1LE10-0■A2**	1092	96.83	97.02	0.233	1002
7080	**1DK1142-1TE10-0■A2**	1239	96.96	97.10	0.205	1172
7380	**1DK1142-1XE10-0■A2**	1291	97.06	97.15	0.180	1270
7850	**1DK1142-2EE10-0■A2**	1373	97.11	97.16	0.162	1417

Cooling method:	
IC01 40 °C cooling air temperature	**F**
IC81W 32 °C cooling water temperature	**N**

Selection and ordering data (continued)

Rated power	**SIGENTICS M Industrial applications**	Rated current	Efficiency		Subtransient reactance	Moment of inertia
IEC		I_{rated}	Utilization to class 155 (F)	Utilization to class 130 (B)	x_d'' (sat.)	
kVA	Article No.	A	%	%	p. u.	kgm^2
3.3 kV, 50 Hz, power factor 0.8 lagging						
12-pole						
2680	**1DK1122-1AE12-0■A2**	469	95.98	96.13	0.180	548
2950	**1DK1122-1DE12-0■A2**	516	96.08	96.22	0.180	604
3200	**1DK1122-1GE12-0■A2**	560	96.19	96.31	0.172	661
3930	**1DK1122-1RE12-0■A2**	688	96.40	96.59	0.202	828
4360	**1DK1122-1VE12-0■A2**	763	96.50	96.66	0.186	903
4740	**1DK1142-1JE12-0■A2**	829	96.58	96.81	0.221	1153
5400	**1DK1142-1NE12-0■A2**	945	96.63	96.84	0.202	1272
5620	**1DK1142-1SE12-0■A2**	983	96.77	96.95	0.193	1391
6200	**1DK1142-1XE12-0■A2**	1085	96.88	97.04	0.191	1539
14-pole						
3600	**1DK1142-1GE14-0■A2**	630	96.15	96.46	0.226	1208
4120	**1DK1142-1NE14-0■A2**	721	96.25	96.49	0.191	1405
4700	**1DK1142-1XE14-0■A2**	822	96.55	96.74	0.189	1699
4900	**1DK1142-2CE14-0■A2**	857	96.64	96.80	0.180	1830

Cooling method:	
IC01 40 °C cooling air temperature	**F**
IC81W 32 °C cooling water temperature	**N**

Selection and ordering data

Rated power	**SIGENTICS M Industrial applications**	Rated current	Efficiency		Subtransient reactance	Moment of inertia
IEC		I_{rated}	Utilization to class 155 (F)	Utilization to class 130 (B)	x_d'' (sat.)	
kVA	Article No.	A	%	%	p. u.	kgm^2
4.16 kV, 60 Hz, power factor 0.8 lagging						
4-pole						
10400	**1DT1122-1HF04-0■A2**	1443	97.46	97.56	0.233	330
12200	**1DT1122-1PF04-0■A2**	1693	97.67	97.74	0.198	376
13600	**1DT1122-1WF04-0■A2**	1887	97.72	97.78	0.174	432
14600	**1DT1122-2CF04-0■A2**	2026	97.86	97.88	0.146	468
15000	**1DT1142-1NF04-0■A2**	2082	97.87	97.90	0.176	527
18450	**1DT1142-1XF04-0■A2**	2561	98.02	98.06	0.178	624
6-pole						
7620	**1DK1122-1DF06-0■A2**	1058	97.02	97.11	0.206	388
8740	**1DK1122-1KF06-0■A2**	1213	97.14	97.25	0.207	458
9580	**1DK1122-1TF06-0■A2**	1330	97.41	97.48	0.180	550
11440	**1DK1142-1FF06-0■A2**	1588	96.78	96.81	0.208	714
13100	**1DK1142-1KF06-0■A2**	1818	96.97	97.02	0.213	791
13730	**1DK1142-1PF06-0■A2**	1906	97.07	97.10	0.194	868
15270	**1DK1142-1VF06-0■A2**	2119	97.17	97.22	0.196	985
8-pole						
6350	**1DK1122-1FF08-0■A2**	881	97.06	97.24	0.217	486
6700	**1DK1122-1JF08-0■A2**	930	97.18	97.34	0.201	529
7520	**1DK1122-1PF08-0■A2**	1044	97.28	97.43	0.195	598
8400	**1DK1122-1VF08-0■A2**	1166	97.40	97.54	0.189	682
8930	**1DK1122-2CF08-0■A2**	1239	97.54	97.63	0.163	766
9700	**1DK1142-1JF08-0■A2**	1346	96.87	96.98	0.209	848
10100	**1DK1142-1LF08-0■A2**	1402	96.96	97.05	0.198	891
10820	**1DK1142-1PF08-0■A2**	1502	96.99	97.08	0.193	956
11700	**1DK1142-1TF08-0■A2**	1624	97.14	97.22	0.192	1042
12800	**1DK1142-1XF08-0■A2**	1776	97.14	97.23	0.189	1129
13300	**1DK1142-2EF08-0■A2**	1846	97.31	97.37	0.179	1260
10-pole						
5070	**1DK1122-1JF10-0■A2**	704	97.03	97.20	0.199	636
5600	**1DK1122-1MF10-0■A2**	777	96.98	97.14	0.202	686
6050	**1DK1122-1SF10-0■A2**	840	97.12	97.23	0.183	771
6620	**1DK1122-1YF10-0■A2**	919	97.23	97.32	0.175	872
7100	**1DK1142-1GF10-0■A2**	985	96.78	96.94	0.244	904
7700	**1DK1142-1LF10-0■A2**	1069	96.92	97.04	0.218	1002
8500	**1DK1142-1TF10-0■A2**	1180	97.09	97.19	0.217	1172
9270	**1DK1142-1XF10-0■A2**	1287	97.12	97.21	0.208	1270
9850	**1DK1142-2EF10-0■A2**	1367	97.26	97.31	0.190	1417

Cooling method:	
IC01 40 °C cooling air temperature	**F**
IC81W 32 °C cooling water temperature	**N**

Selection and ordering data (continued)

Rated power	**SIGENTICS M Industrial applications**	Rated current	Efficiency		Subtransient reactance	Moment of inertia
IEC		I_{rated}	Utilization to class 155 (F)	Utilization to class 130 (B)	x_d'' (sat.)	
kVA	Article No.	A	%	%	p. u.	kgm^2
4.16 kV, 60 Hz, power factor 0.8 lagging						
12-pole						
3520	**1DK1122-1AF12-0■A2**	489	96.13	96.34	0.218	548
3880	**1DK1122-1DF12-0■A2**	538	96.24	96.45	0.220	604
4220	**1DK1122-1GF12-0■A2**	586	96.41	96.60	0.212	661
4730	**1DK1122-1MF12-0■A2**	656	96.66	96.86	0.216	753
4940	**1DK1122-1RF12-0■A2**	686	96.74	96.88	0.202	903
5380	**1DK1122-1VF12-0■A2**	747	96.71	96.81	0.177	903
5800	**1DK1142-1JF12-0■A2**	805	96.68	96.84	0.208	1153
6600	**1DK1142-1NF12-0■A2**	916	96.66	96.80	0.192	1272
7000	**1DK1142-1SF12-0■A2**	972	96.84	96.94	0.182	1391
7570	**1DK1142-1XF12-0■A2**	1051	96.93	97.02	0.180	1539
14-pole						
2550	**1DK1122-1DF14-0■A2**	354	95.65	95.84	0.207	616
3000	**1DK1122-1JF14-0■A2**	416	95.86	96.04	0.210	712
3530	**1DK1122-1RF14-0■A2**	490	96.16	96.30	0.208	845
4120	**1DK1122-1XF14-0■A2**	572	96.34	96.50	0.224	960
4580	**1DK1142-1GF14-0■A2**	636	96.23	96.53	0.234	1208
5150	**1DK1142-1NF14-0■A2**	715	96.47	96.72	0.226	1405
5920	**1DK1142-1XF14-0■A2**	822	96.58	96.73	0.184	1699

Cooling method:	
IC01 40 °C cooling air temperature	**F**
IC81W 32 °C cooling water temperature	**N**

Selection and ordering data

Rated power	**SIGENICS M Industrial applications**	Rated current	Efficiency		Subtransient reactance	Moment of inertia
IEC		I_{rated}	Utilization to class 155 (F)	Utilization to class 130 (B)	x_d'' (sat.)	
kVA	Article No.	A	%	%	p. u.	kgm^2
6.3 kV, 50 Hz, power factor 0.8 lagging						
4-pole						
9700	**1DT1122-1PH04-0■A2**	889	97.62	97.71	0.174	376
10500	**1DT1122-1TH04-0■A2**	962	97.64	97.73	0.163	406
11400	**1DT1122-1WH04-0■A2**	1045	97.74	97.83	0.164	432
12400	**1DT1122-2CH04-0■A2**	1136	97.75	97.83	0.149	468
13400	**1DT1122-2HH04-0■A2**	1228	97.67	97.86	0.148	508
14000	**1DT1142-1TH04-0■A2**	1283	97.91	97.97	0.156	580
15200	**1DT1142-1XH04-0■A2**	1393	98.00	98.05	0.147	624
17000	**1DT1142-2EH04-0■A2**	1558	98.03	98.08	0.142	690
19100	**1DT1142-2MH04-0■A2**	1750	98.14	98.18	0.135	769
6-pole						
6200	**1DK1122-1DH06-0■A2**	568	96.89	97.03	0.187	388
7240	**1DK1122-1KH06-0■A2**	663	97.13	97.25	0.173	458
8450	**1DK1122-1TH06-0■A2**	774	97.38	97.47	0.149	550
9000	**1DK1122-1WH06-0■A2**	825	97.42	97.49	0.140	587
10500	**1DK1142-1KH06-0■A2**	962	96.92	97.04	0.208	791
11020	**1DK1142-1PH06-0■A2**	1010	97.07	97.16	0.187	868
12700	**1DK1142-1VH06-0■A2**	1164	97.23	97.32	0.180	985
13600	**1DK1142-2BH06-0■A2**	1246	97.35	97.40	0.153	1082
8-pole						
4880	**1DK1122-1FH08-0■A2**	447	96.86	97.07	0.199	486
5250	**1DK1122-1JH08-0■A2**	481	97.02	97.19	0.180	529
5900	**1DK1122-1PH08-0■A2**	541	97.13	97.29	0.171	598
6550	**1DK1122-1VH08-0■A2**	600	97.28	97.40	0.156	682
7100	**1DK1122-2CH08-0■A2**	651	97.38	97.50	0.158	766
7600	**1DK1142-1JH08-0■A2**	696	96.80	96.96	0.208	848
7950	**1DK1142-1LH08-0■A2**	729	96.84	96.98	0.195	891
8550	**1DK1142-1PH08-0■A2**	784	96.95	97.08	0.189	956
9270	**1DK1142-1TH08-0■A2**	850	97.05	97.17	0.185	1042
9950	**1DK1142-1XH08-0■A2**	912	97.11	97.22	0.178	1129
10980	**1DK1142-2EH08-0■A2**	1006	97.23	97.33	0.172	1260
10-pole						
4100	**1DK1122-1JH10-0■A2**	376	96.64	96.83	0.187	636
4500	**1DK1122-1MH10-0■A2**	412	96.62	96.82	0.186	686
4820	**1DK1122-1SH10-0■A2**	442	96.89	97.03	0.176	771
5300	**1DK1122-1YH10-0■A2**	486	97.04	97.17	0.172	872
5520	**1DK1142-1GH10-0■A2**	506	96.60	96.81	0.238	904
6000	**1DK1142-1LH10-0■A2**	550	96.80	96.95	0.206	1002
6890	**1DK1142-1TH10-0■A2**	631	96.91	97.04	0.195	1172
7500	**1DK1142-1XH10-0■A2**	687	97.01	97.15	0.202	1270
7950	**1DK1142-2EH10-0■A2**	729	97.12	97.21	0.183	1417

Cooling method:	
IC01 40 °C cooling air temperature	**F**
IC81W 32 °C cooling water temperature	**N**

Selection and ordering data (continued)

Rated power	**SIGENTICS M Industrial applications**	Rated current	Efficiency		Subtransient reactance	Moment of inertia
IEC		I_{rated}	Utilization to class 155 (F)	Utilization to class 130 (B)	x_d'' (sat.)	
kVA	Article No.	A	%	%	p. u.	kgm^2
6.3 kV, 50 Hz, power factor 0.8 lagging						
12-pole						
2700	**1DK1122-1AH12-0■A2**	247	95.69	95.93	0.207	548
2990	**1DK1122-1DH12-0■A2**	274	95.87	96.10	0.203	604
3280	**1DK1122-1GH12-0■A2**	301	96.03	96.24	0.195	661
3700	**1DK1122-1MH12-0■A2**	339	96.19	96.38	0.194	753
3880	**1DK1122-1RH12-0■A2**	356	96.31	96.45	0.172	828
4100	**1DK1122-1VH12-0■A2**	376	96.31	96.45	0.167	903
4700	**1DK1142-1JH12-0■A2**	431	96.37	96.56	0.179	1153
5180	**1DK1142-1NH12-0■A2**	475	96.49	96.67	0.182	1272
5400	**1DK1142-1SH12-0■A2**	495	96.62	96.76	0.171	1391
5900	**1DK1142-1XH12-0■A2**	541	96.72	96.84	0.165	1539
14-pole						
3400	**1DK1142-1GH14-0■A2**	312	95.80	96.10	0.194	1208
3900	**1DK1142-1NH14-0■A2**	357	96.21	96.47	0.202	1405
4450	**1DK1142-1XH14-0■A2**	408	96.38	96.54	0.169	1699
4650	**1DK1142-2CH14-0■A2**	426	96.43	96.55	0.158	1830

Cooling method:	
IC01 40 °C cooling air temperature	**F**
IC81W 32 °C cooling water temperature	**N**

Selection and ordering data

Rated power **IEC** kVA	**SIGENTICS M Industrial applications** Article No.	Rated current I_{rated} A	Efficiency Utilization to class 155 (F) %	 Utilization to class 130 (B) %	Subtransient reactance x_d" (sat.) p. u.	Moment of inertia kgm^2
6.6 kV, 60 Hz, power factor 0.8 lagging						
4-pole						
10400	**1DT1122-1HK04-0■A2**	910	97.56	97.61	0.189	330
11800	**1DT1122-1PK04-0■A2**	1032	97.70	97.73	0.200	376
12300	**1DT1122-1TK04-0■A2**	1076	97.72	97.77	0.178	406
13300	**1DT1122-1WK04-0■A2**	1163	97.74	97.79	0.167	432
15000	**1DT1142-1NK04-0■A2**	1312	97.88	97.90	0.172	527
16800	**1DT1142-1TK04-0■A2**	1470	97.98	98.01	0.170	580
18000	**1DT1142-1XK04-0■A2**	1575	98.01	98.03	0.154	624
20100	**1DT1142-2EK04-0■A2**	1758	98.10	98.11	0.144	690
6-pole						
7500	**1DK1122-1DK06-0■A2**	656	97.00	97.05	0.173	388
8850	**1DK1122-1KK06-0■A2**	774	97.20	97.29	0.185	458
9900	**1DK1122-1TK06-0■A2**	866	97.46	97.48	0.144	550
10750	**1DK1142-1FK06-0■A2**	940	96.77	96.79	0.207	714
12150	**1DK1142-1KK06-0■A2**	1063	96.90	96.93	0.202	791
13190	**1DK1142-1PK06-0■A2**	1154	97.03	97.05	0.186	868
15100	**1DK1142-1VK06-0■A2**	1321	97.19	97.20	0.172	985
8-pole						
6050	**1DK1122-1FK08-0■A2**	529	96.99	97.17	0.211	486
6450	**1DK1122-1JK08-0■A2**	564	97.13	97.27	0.184	529
7400	**1DK1122-1PK08-0■A2**	647	97.26	97.38	0.172	598
8150	**1DK1122-1VK08-0■A2**	713	97.38	97.50	0.179	682
8700	**1DK1122-2CK08-0■A2**	761	97.45	97.50	0.142	766
9150	**1DK1142-1JK08-0■A2**	800	96.87	96.96	0.202	847
9950	**1DK1142-1LK08-0■A2**	870	96.95	97.02	0.190	891
10400	**1DK1142-1PK08-0■A2**	910	96.99	97.04	0.176	956
11250	**1DK1142-1TK08-0■A2**	984	97.09	97.16	0.184	1042
12200	**1DK1142-1XK08-0■A2**	1067	97.17	97.26	0.191	1129
12760	**1DK1142-2EK08-0■A2**	1116	97.27	97.32	0.173	1260
10-pole						
4920	**1DK1122-1JK10-0■A2**	430	96.91	97.04	0.188	636
5450	**1DK1122-1MK10-0■A2**	477	96.89	97.03	0.184	686
5750	**1DK1122-1SK10-0■A2**	503	97.10	97.20	0.174	771
6300	**1DK1122-1YK10-0■A2**	551	97.17	97.25	0.169	872
6900	**1DK1142-1GK10-0■A2**	604	96.72	96.87	0.237	904
7750	**1DK1142-1LK10-0■A2**	678	96.83	96.98	0.235	1002
8350	**1DK1142-1TK10-0■A2**	730	97.02	97.11	0.202	1172
9100	**1DK1142-1XK10-0■A2**	796	97.11	97.20	0.208	1270
9630	**1DK1142-2EK10-0■A2**	842	97.18	97.21	0.179	1417

Cooling method:	
IC01 40 °C cooling air temperature	**F**
IC81W 32 °C cooling water temperature	**N**

Selection and ordering data (continued)

Rated power	**SIGENTICS M Industrial applications**	Rated current	Efficiency		Subtransient reactance	Moment of inertia
IEC		I_{rated}	Utilization to class 155 (F)	Utilization to class 130 (B)	x_d'' (sat.)	
kVA	Article No.	A	%	%	p. u.	kgm^2
6.6 kV, 60 Hz, power factor 0.8 lagging						
12-pole						
3550	**1DK1122-1AK12-0■A2**	311	95.95	96.22	0.243	548
3720	**1DK1122-1DK12-0■A2**	325	96.14	96.36	0.223	604
4000	**1DK1122-1GK12-0■A2**	350	96.36	96.54	0.205	661
4450	**1DK1122-1MK12-0■A2**	389	96.47	96.63	0.197	753
4770	**1DK1122-1RK12-0■A2**	417	96.57	96.66	0.168	828
5130	**1DK1122-1VK12-0■A2**	449	96.62	96.71	0.166	903
5600	**1DK1142-1JK12-0■A2**	490	96.62	96.76	0.197	1153
6200	**1DK1142-1NK12-0■A2**	542	96.70	96.84	0.198	1272
6550	**1DK1142-1SK12-0■A2**	573	96.81	96.91	0.184	1391
7250	**1DK1142-1XK12-0■A2**	634	96.88	96.97	0.175	1539
14-pole						
2680	**1DK1122-1DK14-0■A2**	234	95.65	95.90	0.231	616
3060	**1DK1122-1JK14-0■A2**	268	95.84	96.06	0.224	712
3550	**1DK1122-1RK14-0■A2**	311	96.05	96.21	0.210	845
3930	**1DK1122-1XK14-0■A2**	344	96.00	96.14	0.194	960
4370	**1DK1142-1GK14-0■A2**	382	96.17	96.43	0.215	1208
4965	**1DK1142-1NK14-0■A2**	434	96.36	96.57	0.207	1405
5600	**1DK1142-1XK14-0■A2**	490	96.60	96.76	0.194	1699
5900	**1DK1142-2CK14-0■A2**	516	96.67	96.78	0.177	1830

Cooling method:	
IC01 40 °C cooling air temperature	**F**
IC81W 32 °C cooling water temperature	**N**

Selection and ordering data

Rated power	**SIGENTICS M Industrial applications**	Rated current	Efficiency		Subtransient reactance	Moment of inertia
IEC		I_{rated}	Utilization to class 155 (F)	Utilization to class 130 (B)	x_d'' (sat.)	
kVA	Article No.	A	%	%	p. u.	kgm^2
11 kV, 50 Hz, power factor 0.8 lagging						
4-pole						
9400	**1DT1122-1PN04-0■A2**	493	97.47	97.57	0.169	376
10150	**1DT1122-1TN04-0■A2**	533	97.55	97.64	0.162	406
10700	**1DT1122-1WN04-0■A2**	562	97.62	97.69	0.148	432
11200	**1DT1122-2CN04-0■A2**	588	97.70	97.77	0.148	468
12100	**1DT1122-2HN04-0■A2**	635	97.77	97.82	0.136	508
13650	**1DT1142-1TN04-0■A2**	716	97.84	97.92	0.166	580
14950	**1DT1142-1XN04-0■A2**	785	97.91	97.98	0.153	624
16450	**1DT1142-2EN04-0■A2**	863	97.99	98.05	0.143	690
18000	**1DT1142-2MN04-0■A2**	945	98.07	98.11	0.129	769
6-pole						
5750	**1DK1122-1DN06-0■A2**	302	96.71	96.84	0.173	388
6600	**1DK1122-1KN06-0■A2**	346	96.94	97.06	0.165	458
6930	**1DK1122-1TN06-0■A2**	364	97.11	97.22	0.158	550
8000	**1DK1122-1WN06-0■A2**	420	97.25	97.35	0.147	587
9270	**1DK1142-1KN06-0■A2**	487	96.80	96.90	0.191	791
10090	**1DK1142-1PN06-0■A2**	530	96.99	97.06	0.170	868
11600	**1DK1142-1VN06-0■A2**	609	97.15	97.21	0.159	985
11940	**1DK1142-2BN06-0■A2**	627	97.22	97.27	0.149	1082
8-pole						
4450	**1DK1122-1FN08-0■A2**	234	96.65	96.86	0.187	486
4820	**1DK1122-1JN08-0■A2**	253	96.84	97.01	0.165	529
5450	**1DK1122-1PN08-0■A2**	286	96.92	97.07	0.152	598
5950	**1DK1122-1VN08-0■A2**	312	97.06	97.21	0.157	682
6300	**1DK1122-2CN08-0■A2**	331	97.21	97.33	0.150	766
6950	**1DK1142-1JN08-0■A2**	365	96.68	96.81	0.183	848
7500	**1DK1142-1LN08-0■A2**	394	96.63	96.79	0.188	891
7810	**1DK1142-1PN08-0■A2**	410	96.75	96.91	0.190	956
8150	**1DK1142-1TN08-0■A2**	428	96.88	97.00	0.178	1042
9130	**1DK1142-1XN08-0■A2**	479	96.95	97.07	0.173	1129
9700	**1DK1142-2EN08-0■A2**	509	97.08	97.17	0.159	1260
10-pole						
3600	**1DK1122-1JN10-0■A2**	189	96.48	96.66	0.175	636
4050	**1DK1122-1MN10-0■A2**	213	96.53	96.71	0.174	686
4350	**1DK1122-1SN10-0■A2**	228	96.71	96.84	0.159	771
4900	**1DK1122-1YN10-0■A2**	257	96.81	96.91	0.146	872
5200	**1DK1142-1GN10-0■A2**	273	96.48	96.67	0.214	904
5900	**1DK1142-1LN10-0■A2**	310	96.59	96.77	0.203	1002
6400	**1DK1142-1TN10-0■A2**	336	96.85	96.97	0.186	1172
6950	**1DK1142-1XN10-0■A2**	365	96.89	97.02	0.188	1270
7420	**1DK1142-2EN10-0■A2**	389	97.00	97.07	0.163	1417

Cooling method:	
IC01 40 °C cooling air temperature	**F**
IC81W 32 °C cooling water temperature	**N**

Selection and ordering data (continued)

Rated power	**SIGENTICS M Industrial applications**	Rated current	Efficiency		Subtransient reactance	Moment of inertia
IEC		I_{rated}	Utilization to class 155 (F)	Utilization to class 130 (B)	x_d'' (sat.)	
kVA	Article No.	A	%	%	p. u.	kgm^2
11 kV, 50 Hz, power factor 0.8 lagging						
12-pole						
2500	**1DK1122-1AN12-0■A2**	131	95.13	95.43	0.201	548
2720	**1DK1122-1DN12-0■A2**	143	95.50	95.76	0.200	604
2800	**1DK1122-1GN12-0■A2**	147	95.65	95.88	0.186	661
3300	**1DK1122-1MN12-0■A2**	173	95.87	96.04	0.164	753
3480	**1DK1122-1RN12-0■A2**	183	96.01	96.12	0.150	828
3650	**1DK1122-1VN12-0■A2**	192	96.09	96.26	0.169	903
3920	**1DK1142-1JN12-0■A2**	206	96.24	96.47	0.196	1153
4430	**1DK1142-1NN12-0■A2**	233	96.33	96.54	0.187	1272
4800	**1DK1142-1SN12-0■A2**	252	96.46	96.60	0.161	1391
5300	**1DK1142-1XN12-0■A2**	278	96.55	96.67	0.153	1539
14-pole						
2980	**1DK1142-1GN14-0■A2**	156	95.59	95.84	0.168	1208
3390	**1DK1142-1NN14-0■A2**	178	95.88	96.10	0.166	1405
3770	**1DK1142-1XN14-0■A2**	198	96.14	96.32	0.164	1699
4000	**1DK1142-2CN14-0■A2**	210	96.09	96.19	0.136	1830

Cooling method:	
IC01 40 °C cooling air temperature	**F**
IC81W 32 °C cooling water temperature	**N**

Selection and ordering data

Rated power **IEC** kVA	**SIGENTICS M Industrial applications** Article No.	Rated current I_{rated} A	Efficiency Utilization to class 155 (F) %	 Utilization to class 130 (B) %	Subtransient reactance x_d" (sat.) p. u.	Moment of inertia kgm^2
13 kV, 60 Hz, power factor 0.8 lagging						
4-pole						
9150	**1DT1122-1HR04-0■A2**	383	97.31	97.38	0.194	330
10850	**1DT1122-1PR04-0■A2**	454	97.49	97.53	0.163	376
11500	**1DT1122-1TR04-0■A2**	481	97.56	97.59	0.155	406
12170	**1DT1122-1WR04-0■A2**	509	97.62	97.64	0.143	432
13000	**1DT1122-2CR04-0■A2**	544	97.69	97.69	0.132	468
14600	**1DT1142-1NR04-0■A2**	611	97.73	97.78	0.185	527
15800	**1DT1142-1TR04-0■A2**	661	97.81	97.86	0.178	580
16700	**1DT1142-1XR04-0■A2**	699	97.86	97.89	0.163	624
19600	**1DT1142-2ER04-0■A2**	820	97.99	98.00	0.137	690
6-pole						
6320	**1DK1122-1DR06-0■A2**	264	96.59	96.62	0.149	388
7420	**1DK1122-1KR06-0■A2**	310	96.84	96.88	0.144	458
8080	**1DK1122-1TR06-0■A2**	338	97.10	97.10	0.125	550
8290	**1DK1142-1FR06-0■A2**	347	96.26	96.22	0.183	714
9660	**1DK1142-1KR06-0■A2**	404	96.49	96.49	0.187	791
10850	**1DK1142-1PR06-0■A2**	454	96.75	96.71	0.156	868
13040	**1DK1142-1VR06-0■A2**	546	96.92	96.88	0.138	985
8-pole						
5050	**1DK1122-1FR08-0■A2**	211	96.64	96.78	0.164	486
5400	**1DK1122-1JR08-0■A2**	226	96.77	96.86	0.143	529
5800	**1DK1122-1PR08-0■A2**	243	96.85	96.95	0.147	598
6650	**1DK1122-1VR08-0■A2**	278	97.01	97.08	0.135	682
6900	**1DK1122-2CR08-0■A2**	289	97.14	97.19	0.128	766
7150	**1DK1142-1JR08-0■A2**	299	96.47	96.56	0.197	848
8550	**1DK1142-1LR08-0■A2**	358	96.60	96.69	0.180	891
8680	**1DK1142-1PR08-0■A2**	363	96.65	96.70	0.165	956
9270	**1DK1142-1TR08-0■A2**	388	96.79	96.82	0.155	1042
10450	**1DK1142-1XR08-0■A2**	437	96.88	96.91	0.150	1129
11000	**1DK1142-2ER08-0■A2**	460	96.97	96.97	0.138	1260
10-pole						
4100	**1DK1122-1JR10-0■A2**	172	96.48	96.57	0.152	636
4350	**1DK1122-1MR10-0■A2**	182	96.51	96.66	0.172	686
4680	**1DK1122-1SR10-0■A2**	196	96.70	96.83	0.164	771
5160	**1DK1122-1YR10-0■A2**	216	96.80	96.89	0.152	872
5900	**1DK1142-1GR10-0■A2**	247	96.42	96.56	0.212	904
6710	**1DK1142-1LR10-0■A2**	281	96.50	96.64	0.204	1002
7400	**1DK1142-1TR10-0■A2**	310	96.73	96.76	0.165	1172
8000	**1DK1142-1XR10-0■A2**	335	96.80	96.85	0.167	1270
8450	**1DK1142-2ER10-0■A2**	354	96.93	96.94	0.155	1417

Cooling method:	
IC01 40 °C cooling air temperature	**F**
IC81W 32 °C cooling water temperature	**N**

Selection and ordering data (continued)

Rated power	**SIGENTICS M Industrial applications**	Rated current	Efficiency		Subtransient reactance	Moment of inertia
IEC		I_{rated}	Utilization to class 155 (F)	Utilization to class 130 (B)	x_d'' (sat.)	
kVA	Article No.	A	%	%	p. u.	kgm^2
13 kV, 60 Hz, power factor 0.8 lagging						
12-pole						
2830	**1DK1122-1AR12-0■A2**	118	95.13	95.43	0.209	548
3050	**1DK1122-1DR12-0■A2**	128	95.43	95.63	0.180	604
3170	**1DK1122-1GR12-0■A2**	133	95.67	95.83	0.170	661
3600	**1DK1122-1MR12-0■A2**	151	95.81	95.99	0.175	753
3680	**1DK1122-1RR12-0■A2**	154	95.88	96.02	0.158	828
4100	**1DK1122-1VR12-0■A2**	172	96.01	96.12	0.150	903
4050	**1DK1142-1JR12-0■A2**	169	96.06	96.16	0.158	1153
4520	**1DK1142-1NR12-0■A2**	189	96.21	96.31	0.161	1272
5000	**1DK1142-1SR12-0■A2**	209	96.33	96.47	0.175	1391
5670	**1DK1142-1XR12-0■A2**	237	96.43	96.53	0.160	1539
14-pole						
2400	**1DK1122-1DR14-0■A2**	100	95.00	95.24	0.191	616
2750	**1DK1122-1JR14-0■A2**	115	95.27	95.46	0.183	712
3100	**1DK1122-1RR14-0■A2**	130	95.44	95.56	0.167	845
3480	**1DK1122-1XR14-0■A2**	146	95.73	95.83	0.171	960
3850	**1DK1142-1NR14-0■A2**	161	95.64	95.82	0.157	1405
4350	**1DK1142-1XR14-0■A2**	182	95.89	96.04	0.154	1699
4570	**1DK1142-2CR14-0■A2**	191	95.77	95.79	0.120	1830

Cooling method:	
IC01 40 °C cooling air temperature	**F**
IC81W 32 °C cooling water temperature	**N**

Selection and ordering data

Rated power **DNV** kVA	**SIGENICS M Marine applications** Article No.	Rated current I_{rated} A	Efficiency Utilization to class 155 (F) %	Subtransient reactance x_d'' (sat.) p. u.	Max. load step for voltage drop < 15 % U_N	Moment of inertia kgm^2
3.3 kV, 50 Hz, power factor 0.8 lagging						
4-pole						
9268	**1DT1122-1PE04-0■A2**	1621	97.58	0.188	960	376
10119	**1DT1122-1TE04-0■A2**	1770	97.62	0.165	1062	406
11632	**1DT1122-2CE04-0■A2**	2035	97.79	0.152	1221	468
13240	**1DT1142-1XE04-0■A2**	2316	97.98	0.174	1371	624
17779	**1DT1142-2ME04-0■A2**	3111	97.90	0.119	1867	769
6-pole						
5930	**1DK1122-1DE06-0■A2**	1037	96.92	0.209	527	388
6809	**1DK1122-1KE06-0■A2**	1191	97.05	0.207	605	458
7566	**1DK1122-1TE06-0■A2**	1324	97.33	0.183	756	550
8767	**1DK1122-1WE06-0■A2**	1534	97.54	0.144	920	587
10185	**1DK1142-1KE06-0■A2**	1782	97.00	0.214	1069	791
10582	**1DK1142-1PE06-0■A2**	1851	97.07	0.194	1111	868
11954	**1DK1142-1VE06-0■A2**	2091	97.26	0.191	1255	985
12625	**1DK1142-2BE06-0■A2**	2209	97.31	0.166	1325	1082
8-pole						
4729	**1DK1122-1FE08-0■A2**	827	96.98	0.212	403	486
5154	**1DK1122-1JE08-0■A2**	902	97.15	0.200	467	529
5750	**1DK1122-1PE08-0■A2**	1006	97.18	0.195	532	598
6431	**1DK1122-1VE08-0■A2**	1125	97.31	0.186	619	682
6951	**1DK1122-2CE08-0■A2**	1216	97.48	0.163	730	766
7452	**1DK1142-1JE08-0■A2**	1304	96.86	0.210	782	848
7660	**1DK1142-1LE08-0■A2**	1340	96.97	0.185	804	891
8228	**1DK1142-1PE08-0■A2**	1440	96.99	0.192	864	956
8918	**1DK1142-1TE08-0■A2**	1560	97.11	0.183	842	1042
9646	**1DK1142-1XE08-0■A2**	1688	97.14	0.187	1013	1129
10497	**1DK1142-2EE08-0■A2**	1836	97.29	0.183	893	1260
10-pole						
4150	**1DK1122-1JE10-0■A2**	726	96.75	0.195	399	636
4343	**1DK1122-1ME10-0■A2**	760	96.81	0.207	394	686
4823	**1DK1122-1SE10-0■A2**	844	97.05	0.180	500	771
5343	**1DK1122-1YE10-0■A2**	935	97.07	0.157	561	872
5901	**1DK1142-1LE10-0■A2**	1032	96.88	0.220	619	1002
6696	**1DK1142-1TE10-0■A2**	1171	96.99	0.194	703	1172
6979	**1DK1142-1XE10-0■A2**	1221	97.07	0.170	671	1270
7424	**1DK1142-2EE10-0■A2**	1299	97.11	0.153	687	1417

Cooling method:	
IC01 45 °C cooling air temperature	**F**
IC81W 33 °C cooling water temperature	**N**

Selection and ordering data (continued)

Rated power	**SIGENTICS M Marine applications**	Rated current	Efficiency	Subtransient reactance	Max. load step for voltage drop	Moment of inertia
DNV		I_{rated}	Utilization to class 155 (F)	x_d'' (sat.)	< 15 % U_N	
kVA	Article No.	A	%	p. u.		kgm^2
3.3 kV, 50 Hz, power factor 0.8 lagging						
12-pole						
2586	**1DK1122-1AE12-0■A2**	452	96.00	0.174	271	548
2847	**1DK1122-1DE12-0■A2**	498	96.10	0.174	299	604
3088	**1DK1122-1GE12-0■A2**	540	96.20	0.166	324	661
3792	**1DK1122-1RE12-0■A2**	663	96.43	0.195	372	828
4207	**1DK1122-1VE12-0■A2**	736	96.52	0.179	442	903
4574	**1DK1142-1JE12-0■A2**	800	96.62	0.213	456	1153
5107	**1DK1142-1NE12-0■A2**	893	96.68	0.191	510	1272
5315	**1DK1142-1SE12-0■A2**	930	96.81	0.183	550	1391
5863	**1DK1142-1XE12-0■A2**	1026	96.91	0.181	616	1539
14-pole						
3474	**1DK1142-1GE14-0■A2**	608	96.20	0.218	365	1208
3976	**1DK1142-1NE14-0■A2**	696	96.29	0.184	418	1405
4536	**1DK1142-1XE14-0■A2**	794	96.58	0.182	411	1699
4729	**1DK1142-2CE14-0■A2**	827	96.66	0.174	429	1830

Cooling method:	
IC01 45 °C cooling air temperature	**F**
IC81W 33 °C cooling water temperature	**N**

Selection and ordering data

Rated power **DNV** kVA	**SIGENTICS M Marine applications** Article No.	Rated current I_{rated} A	Efficiency Utilization to class 155 (F) %	Subtransient reactance x_d" (sat.) p. u.	Max. load step for voltage drop < 15 % U_N	Moment of inertia kgm^2
4.16 kV, 60 Hz, power factor 0.8 lagging						
4-pole						
9835	**1DT1122-1HF04-0■A2**	1365	97.47	0.220	693	330
11538	**1DT1122-1PF04-0■A2**	1601	97.67	0.187	961	376
12862	**1DT1122-1WF04-0■A2**	1785	97.72	0.165	1071	432
13807	**1DT1122-2CF04-0■A2**	1916	97.84	0.138	1150	468
14186	**1DT1142-1NF04-0■A2**	1969	97.86	0.166	1181	527
17448	**1DT1142-1XF04-0■A2**	2422	98.01	0.168	1453	624
6-pole						
7206	**1DK1122-1DF06-0■A2**	1000	97.03	0.195	550	388
8265	**1DK1122-1KF06-0■A2**	1147	97.16	0.196	631	458
9060	**1DK1122-1TF06-0■A2**	1257	97.41	0.170	754	550
10819	**1DK1142-1FF06-0■A2**	1502	96.77	0.197	901	714
12389	**1DK1142-1KF06-0■A2**	1719	96.97	0.201	1031	791
12984	**1DK1142-1PF06-0■A2**	1802	97.06	0.183	1081	868
14441	**1DK1142-1VF06-0■A2**	2004	97.17	0.185	1202	985
8-pole						
6005	**1DK1122-1FF08-0■A2**	833	97.10	0.205	423	486
6336	**1DK1122-1JF08-0■A2**	879	97.21	0.190	484	529
7112	**1DK1122-1PF08-0■A2**	987	97.31	0.184	553	598
7944	**1DK1122-1VF08-0■A2**	1103	97.43	0.179	641	682
8445	**1DK1122-2CF08-0■A2**	1172	97.55	0.154	703	766
9173	**1DK1142-1JF08-0■A2**	1273	96.89	0.198	764	848
9552	**1DK1142-1LF08-0■A2**	1326	96.97	0.187	796	891
10232	**1DK1142-1PF08-0■A2**	1420	97.00	0.183	841	956
11065	**1DK1142-1TF08-0■A2**	1536	97.15	0.182	780	1042
12105	**1DK1142-1XF08-0■A2**	1680	97.15	0.179	924	1129
12578	**1DK1142-2EF08-0■A2**	1746	97.31	0.169	978	1260
10-pole						
4795	**1DK1122-1JF10-0■A2**	665	97.07	0.188	380	636
5296	**1DK1122-1MF10-0■A2**	735	97.01	0.191	412	686
5721	**1DK1122-1SF10-0■A2**	794	97.14	0.173	476	771
6261	**1DK1122-1YF10-0■A2**	869	97.24	0.166	521	872
6714	**1DK1142-1GF10-0■A2**	932	96.81	0.231	542	904
7282	**1DK1142-1LF10-0■A2**	1011	96.94	0.206	588	1002
8038	**1DK1142-1TF10-0■A2**	1116	97.11	0.205	637	1172
8767	**1DK1142-1XF10-0■A2**	1217	97.13	0.197	682	1270
9315	**1DK1142-2EF10-0■A2**	1293	97.26	0.180	776	1417

Cooling method:	
IC01 45 °C cooling air temperature	**F**
IC81W 33 °C cooling water temperature	**N**

Selection and ordering data (continued)

Rated power **DNV** kVA	**SIGENTICS M** **Marine applications** Article No.	Rated current I_{rated} A	Efficiency Utilization to class 155 (F) %	Subtransient reactance x_d'' (sat.) p. u.	Max. load step for voltage drop < 15 % U_N	Moment of inertia kgm^2
4.16 kV, 60 Hz, power factor 0.8 lagging						
12-pole						
3397	**1DK1122-1AF12-0■A2**	471	96.16	0.210	245	548
3744	**1DK1122-1DF12-0■A2**	520	96.27	0.212	269	604
4072	**1DK1122-1GF12-0■A2**	565	96.44	0.205	299	661
4564	**1DK1122-1MF12-0■A2**	633	96.69	0.208	335	753
4767	**1DK1122-1RF12-0■A2**	662	96.76	0.195	377	903
5088	**1DK1122-1VF12-0■A2**	706	96.72	0.167	424	903
5485	**1DK1142-1JF12-0■A2**	761	96.71	0.197	457	1153
6242	**1DK1142-1NF12-0■A2**	866	96.69	0.182	520	1272
6620	**1DK1142-1SF12-0■A2**	919	96.86	0.172	515	1391
7159	**1DK1142-1XF12-0■A2**	994	96.94	0.170	557	1539
14-pole						
2461	**1DK1122-1DF14-0■A2**	342	95.68	0.200	205	616
2895	**1DK1122-1JF14-0■A2**	402	95.89	0.203	241	712
3406	**1DK1122-1RF14-0■A2**	473	96.18	0.201	284	845
3976	**1DK1122-1XF14-0■A2**	552	96.36	0.216	315	960
4420	**1DK1142-1GF14-0■A2**	613	96.28	0.226	368	1208
4870	**1DK1142-1NF14-0■A2**	676	96.53	0.214	406	1405
5599	**1DK1142-1XF14-0■A2**	777	96.61	0.174	466	1699

Cooling method:	
IC01 45 °C cooling air temperature	**F**
IC81W 33 °C cooling water temperature	**N**

Selection and ordering data

Rated power **DNV** kVA	**SIGENICS M Marine applications** Article No.	Rated current I_{rated} A	Efficiency Utilization to class 155 (F) %	Subtransient reactance x_d" (sat.) p. u.	Max. load step for voltage drop < 15 % U_N	Moment of inertia kgm^2
6.3 kV, 50 Hz, power factor 0.8 lagging						
4-pole						
9173	**1DT1122-1PH04-0■A2**	841	97.63	0.165	505	376
9930	**1DT1122-1TH04-0■A2**	910	97.65	0.154	546	406
10781	**1DT1122-1WH04-0■A2**	988	97.75	0.155	593	432
11727	**1DT1122-2CH04-0■A2**	1075	97.76	0.141	645	468
12672	**1DT1122-2HH04-0■A2**	1161	97.71	0.140	697	508
13240	**1DT1142-1TH04-0■A2**	1213	97.91	0.148	728	580
14375	**1DT1142-1XH04-0■A2**	1317	98.00	0.139	790	624
16077	**1DT1142-2EH04-0■A2**	1473	98.03	0.134	884	690
18063	**1DT1142-2MH04-0■A2**	1655	98.13	0.128	993	769
6-pole						
5863	**1DK1122-1DH06-0■A2**	537	96.92	0.177	322	388
6847	**1DK1122-1KH06-0■A2**	627	97.15	0.164	376	458
7991	**1DK1122-1TH06-0■A2**	732	97.39	0.141	439	550
8511	**1DK1122-1WH06-0■A2**	780	97.42	0.132	468	587
9930	**1DK1142-1KH06-0■A2**	910	96.94	0.197	546	791
10422	**1DK1142-1PH06-0■A2**	955	97.08	0.177	573	868
12010	**1DK1142-1VH06-0■A2**	1101	97.24	0.170	661	985
12862	**1DK1142-2BH06-0■A2**	1179	97.35	0.145	598	1082
8-pole						
4709	**1DK1122-1FH08-0■A2**	432	96.89	0.192	232	486
4965	**1DK1122-1JH08-0■A2**	455	97.06	0.170	273	529
5580	**1DK1122-1PH08-0■A2**	511	97.16	0.162	307	598
6194	**1DK1122-1VH08-0■A2**	568	97.30	0.148	341	682
6714	**1DK1122-2CH08-0■A2**	615	97.40	0.149	369	766
7187	**1DK1142-1JH08-0■A2**	659	96.83	0.197	341	848
7518	**1DK1142-1LH08-0■A2**	689	96.87	0.184	365	891
8086	**1DK1142-1PH08-0■A2**	741	96.97	0.179	408	956
8767	**1DK1142-1TH08-0■A2**	803	97.07	0.175	482	1042
9410	**1DK1142-1XH08-0■A2**	862	97.13	0.168	474	1129
10384	**1DK1142-2EH08-0■A2**	952	97.24	0.163	571	1260
10-pole						
3957	**1DK1122-1JH10-0■A2**	363	96.67	0.180	214	636
4343	**1DK1122-1MH10-0■A2**	398	96.65	0.180	235	686
4651	**1DK1122-1SH10-0■A2**	426	96.91	0.170	256	771
5012	**1DK1122-1YH10-0■A2**	459	97.06	0.163	275	872
5220	**1DK1142-1GH10-0■A2**	478	96.65	0.225	283	904
5674	**1DK1142-1LH10-0■A2**	520	96.83	0.195	312	1002
6516	**1DK1142-1TH10-0■A2**	597	96.93	0.184	358	1172
7093	**1DK1142-1XH10-0■A2**	650	97.04	0.191	390	1270
7518	**1DK1142-2EH10-0■A2**	689	97.13	0.173	413	1417

Cooling method:	
IC01 45 °C cooling air temperature	**F**
IC81W 33 °C cooling water temperature	**N**

Selection and ordering data (continued)

Rated power	**SIGENTICS M Marine applications**	Rated current	Efficiency	Subtransient reactance	Max. load step for voltage drop	Moment of inertia
DNV		I_{rated}	Utilization to class 155 (F)	x_d'' (sat.)	< 15 % U_N	
kVA	Article No.	A	%	p. u.		kgm^2
6.3 kV, 50 Hz, power factor 0.8 lagging						
12-pole						
2606	**1DK1122-1AH12-0■A2**	239	95.73	0.200	128	548
2885	**1DK1122-1DH12-0■A2**	264	95.91	0.196	145	604
3165	**1DK1122-1GH12-0■A2**	290	96.06	0.188	169	661
3571	**1DK1122-1MH12-0■A2**	327	96.22	0.187	190	753
3744	**1DK1122-1RH12-0■A2**	343	96.33	0.166	206	828
3957	**1DK1122-1VH12-0■A2**	363	96.33	0.161	218	903
4536	**1DK1142-1JH12-0■A2**	416	96.40	0.173	250	1153
4899	**1DK1142-1NH12-0■A2**	449	96.53	0.172	269	1272
5107	**1DK1142-1SH12-0■A2**	468	96.65	0.162	281	1391
5580	**1DK1142-1XH12-0■A2**	511	96.74	0.156	292	1539
14-pole						
3281	**1DK1142-1GH14-0■A2**	301	95.85	0.187	159	1208
3764	**1DK1142-1NH14-0■A2**	345	96.25	0.195	182	1405
4294	**1DK1142-1XH14-0■A2**	394	96.40	0.163	224	1699
4487	**1DK1142-2CH14-0■A2**	411	96.44	0.152	247	1830

Cooling method:	
IC01 45 °C cooling air temperature	**F**
IC81W 33 °C cooling water temperature	**N**

Selection and ordering data

Rated power **DNV** kVA	**SIGENICS M Marine applications** Article No.	Rated current I_{rated} A	Efficiency Utilization to class 155 (F) %	Subtransient reactance x_d" (sat.) p. u.	Max. load step for voltage drop < 15 % U_N	Moment of inertia kgm^2
6.6 kV, 60 Hz, power factor 0.8 lagging						
4-pole						
9835	**1DT1122-1HK04-0■A2**	860	97.56	0.179	516	330
11159	**1DT1122-1PK04-0■A2**	976	97.69	0.189	578	376
11632	**1DT1122-1TK04-0■A2**	1018	97.72	0.168	611	406
12578	**1DT1122-1WK04-0■A2**	1100	97.74	0.158	660	432
13240	**1DT1122-2CK04-0■A2**	1158	97.81	0.145	695	468
14186	**1DT1142-1NK04-0■A2**	1241	97.87	0.163	745	527
15888	**1DT1142-1TK04-0■A2**	1390	97.97	0.161	706	580
17023	**1DT1142-1XK04-0■A2**	1489	97.99	0.146	893	624
19009	**1DT1142-2EK04-0■A2**	1663	98.08	0.136	998	690
6-pole						
7093	**1DK1122-1DK06-0■A2**	620	97.00	0.164	372	388
8369	**1DK1122-1KK06-0■A2**	732	97.21	0.175	439	458
9362	**1DK1122-1TK06-0■A2**	819	97.45	0.136	491	550
10166	**1DK1142-1FK06-0■A2**	889	96.75	0.196	533	714
11490	**1DK1142-1KK06-0■A2**	1005	96.89	0.191	603	791
12474	**1DK1142-1PK06-0■A2**	1091	97.01	0.176	600	868
14280	**1DK1142-1VK06-0■A2**	1249	97.17	0.163	687	985
8-pole						
5721	**1DK1122-1FK08-0■A2**	500	97.03	0.200	259	486
6100	**1DK1122-1JK08-0■A2**	534	97.16	0.174	320	529
6998	**1DK1122-1PK08-0■A2**	612	97.28	0.163	367	598
7707	**1DK1122-1VK08-0■A2**	674	97.40	0.169	404	682
8228	**1DK1122-2CK08-0■A2**	720	97.45	0.134	432	766
8653	**1DK1142-1JK08-0■A2**	757	96.88	0.191	440	847
9410	**1DK1142-1LK08-0■A2**	823	96.95	0.180	494	891
9835	**1DK1142-1PK08-0■A2**	860	96.99	0.166	446	956
10639	**1DK1142-1TK08-0■A2**	931	97.09	0.174	551	1042
11538	**1DK1142-1XK08-0■A2**	1009	97.18	0.181	605	1129
12067	**1DK1142-2EK08-0■A2**	1056	97.27	0.164	634	1260
10-pole						
4748	**1DK1122-1JK10-0■A2**	415	96.93	0.181	245	636
5154	**1DK1122-1MK10-0■A2**	451	96.92	0.174	271	686
5438	**1DK1122-1SK10-0■A2**	476	97.11	0.165	286	771
5958	**1DK1122-1YK10-0■A2**	521	97.18	0.160	313	872
6525	**1DK1142-1GK10-0■A2**	571	96.75	0.224	343	904
7329	**1DK1142-1LK10-0■A2**	641	96.86	0.222	380	1002
7897	**1DK1142-1TK10-0■A2**	691	97.03	0.191	415	1172
8606	**1DK1142-1XK10-0■A2**	753	97.12	0.197	452	1270
9107	**1DK1142-2EK10-0■A2**	797	97.17	0.169	478	1417

Cooling method:	
IC01 45 °C cooling air temperature	**F**
IC81W 33 °C cooling water temperature	**N**

Selection and ordering data (continued)

Rated power	**SIGENTICS M Marine applications**	Rated current	Efficiency	Subtransient reactance	Max. load step for voltage drop	Moment of inertia
DNV		I_{rated}	Utilization to class 155 (F)	x_d'' (sat.)	< 15 % U_N	
kVA	Article No.	A	%	p. u.		kgm^2
6.6 kV, 60 Hz, power factor 0.8 lagging						
12-pole						
3426	**1DK1122-1AK12-0■A2**	300	96.00	0.235	137	548
3590	**1DK1122-1DK12-0■A2**	314	96.18	0.215	156	604
3860	**1DK1122-1GK12-0■A2**	338	96.39	0.198	186	661
4294	**1DK1122-1MK12-0■A2**	376	96.49	0.190	214	753
4603	**1DK1122-1RK12-0■A2**	403	96.58	0.162	242	828
4851	**1DK1122-1VK12-0■A2**	424	96.63	0.157	254	903
5296	**1DK1142-1JK12-0■A2**	463	96.65	0.186	278	1153
5863	**1DK1142-1NK12-0■A2**	513	96.73	0.187	308	1272
6194	**1DK1142-1SK12-0■A2**	542	96.83	0.174	325	1391
6856	**1DK1142-1XK12-0■A2**	600	96.89	0.165	360	1539
14-pole						
2586	**1DK1122-1DK14-0■A2**	226	95.69	0.223	124	616
2953	**1DK1122-1JK14-0■A2**	258	95.88	0.216	147	712
3426	**1DK1122-1RK14-0■A2**	300	96.07	0.203	180	845
3792	**1DK1122-1XK14-0■A2**	332	96.02	0.187	199	960
4217	**1DK1142-1GK14-0■A2**	369	96.21	0.207	221	1208
4791	**1DK1142-1NK14-0■A2**	419	96.39	0.200	251	1405
5296	**1DK1142-1XK14-0■A2**	463	96.63	0.183	225	1699
5580	**1DK1142-2CK14-0■A2**	488	96.69	0.167	248	1830

Cooling method:	
IC01 45 °C cooling air temperature	**F**
IC81W 33 °C cooling water temperature	**N**

Selection and ordering data

Rated power **DNV** kVA	**SIGENICS M Marine applications** Article No.	Rated current I_{rated} A	Efficiency Utilization to class 155 (F) %	Subtransient reactance x_d" (sat.) p. u.	Max. load step for voltage drop < 15 % U_N	Moment of inertia kgm^2
11 kV, 50 Hz, power factor 0.8 lagging						
4-pole						
8890	**1DT1122-1PN04-0■A2**	467	97.49	0.160	280	376
9599	**1DT1122-1TN04-0■A2**	504	97.56	0.153	302	406
10119	**1DT1122-1WN04-0■A2**	531	97.62	0.140	319	432
10592	**1DT1122-2CN04-0■A2**	556	97.70	0.140	334	468
11443	**1DT1122-2HN04-0■A2**	601	97.77	0.129	361	508
12909	**1DT1142-1TN04-0■A2**	678	97.85	0.157	407	580
14138	**1DT1142-1XN04-0■A2**	742	97.91	0.145	445	624
15557	**1DT1142-2EN04-0■A2**	817	97.99	0.135	490	690
17023	**1DT1142-2MN04-0■A2**	893	98.06	0.122	536	769
6-pole						
5438	**1DK1122-1DN06-0■A2**	285	96.73	0.164	171	388
6242	**1DK1122-1KN06-0■A2**	328	96.96	0.156	197	458
6554	**1DK1122-1TN06-0■A2**	344	97.13	0.149	206	550
7566	**1DK1122-1WN06-0■A2**	397	97.27	0.139	238	587
8767	**1DK1142-1KN06-0■A2**	460	96.81	0.181	234	791
9542	**1DK1142-1PN06-0■A2**	501	96.99	0.161	286	868
10970	**1DK1142-1VN06-0■A2**	576	97.15	0.150	346	985
11292	**1DK1142-2BN06-0■A2**	593	97.22	0.141	356	1082
8-pole						
4294	**1DK1122-1FN08-0■A2**	225	96.68	0.180	129	486
4651	**1DK1122-1JN08-0■A2**	244	96.86	0.159	146	529
5154	**1DK1122-1PN08-0■A2**	271	96.95	0.144	163	598
5627	**1DK1122-1VN08-0■A2**	295	97.09	0.148	177	682
5958	**1DK1122-2CN08-0■A2**	313	97.23	0.142	188	766
6573	**1DK1142-1JN08-0■A2**	345	96.70	0.173	207	848
7093	**1DK1142-1LN08-0■A2**	372	96.66	0.178	223	891
7386	**1DK1142-1PN08-0■A2**	388	96.78	0.180	233	956
7707	**1DK1142-1TN08-0■A2**	405	96.90	0.168	235	1042
8634	**1DK1142-1XN08-0■A2**	453	96.97	0.164	272	1129
9173	**1DK1142-2EN08-0■A2**	481	97.09	0.150	289	1260
10-pole						
3474	**1DK1122-1JN10-0■A2**	182	96.51	0.169	109	636
3908	**1DK1122-1MN10-0■A2**	205	96.56	0.168	123	686
4198	**1DK1122-1SN10-0■A2**	220	96.73	0.153	132	771
4729	**1DK1122-1YN10-0■A2**	248	96.82	0.141	149	872
4918	**1DK1142-1GN10-0■A2**	258	96.53	0.202	155	904
5580	**1DK1142-1LN10-0■A2**	293	96.63	0.192	176	1002
6052	**1DK1142-1TN10-0■A2**	318	96.87	0.176	191	1172
6573	**1DK1142-1XN10-0■A2**	345	96.91	0.178	207	1270
7017	**1DK1142-2EN10-0■A2**	368	97.00	0.154	221	1417

Cooling method:	
IC01 45 °C cooling air temperature	**F**
IC81W 33 °C cooling water temperature	**N**

Selection and ordering data (continued)

Rated power	**SIGENTICS M Marine applications**	Rated current	Efficiency	Subtransient reactance	Max. load step for voltage drop	Moment of inertia
DNV		I_{rated}	Utilization to class 155 (F)	x_d'' (sat.)	< 15 % U_N	
kVA	Article No.	A	%	p. u.		kgm^2
11 kV, 50 Hz, power factor 0.8 lagging						
12-pole						
2413	**1DK1122-1AN12-0■A2**	127	95.18	0.194	69	548
2625	**1DK1122-1DN12-0■A2**	138	95.54	0.193	76	604
2702	**1DK1122-1GN12-0■A2**	142	95.69	0.179	84	661
3185	**1DK1122-1MN12-0■A2**	167	95.89	0.158	100	753
3358	**1DK1122-1RN12-0■A2**	176	96.02	0.145	106	828
3522	**1DK1122-1VN12-0■A2**	185	96.11	0.163	111	903
3783	**1DK1142-1JN12-0■A2**	199	96.28	0.189	119	1153
4275	**1DK1142-1NN12-0■A2**	224	96.36	0.180	121	1272
4632	**1DK1142-1SN12-0■A2**	243	96.48	0.155	134	1391
5012	**1DK1142-1XN12-0■A2**	263	96.57	0.145	156	1539
14-pole						
2876	**1DK1142-1GN14-0■A2**	151	95.63	0.162	69	1208
3271	**1DK1142-1NN14-0■A2**	172	95.92	0.160	85	1405
3638	**1DK1142-1XN14-0■A2**	191	96.17	0.158	105	1699
3860	**1DK1142-2CN14-0■A2**	203	96.10	0.131	116	1830

Cooling method:	
IC01 45 °C cooling air temperature	**F**
IC81W 33 °C cooling water temperature	**N**

Selection and ordering data

Rated power **DNV** kVA	**SIGENTICS M Marine applications** Article No.	Rated current I_{rated} A	Efficiency Utilization to class 155 (F) %	Subtransient reactance x_d" (sat.) p. u.	Max. load step for voltage drop < 15 % U_N	Moment of inertia kgm^2
13 kV, 60 Hz, power factor 0.8 lagging						
4-pole						
8653	**1DT1122-1HR04-0■A2**	362	97.31	0.183	217	330
10261	**1DT1122-1PR04-0■A2**	429	97.48	0.154	250	376
10876	**1DT1122-1TR04-0■A2**	455	97.55	0.147	273	406
11509	**1DT1122-1WR04-0■A2**	482	97.61	0.135	289	432
12294	**1DT1122-2CR04-0■A2**	514	97.67	0.125	308	468
13807	**1DT1142-1NR04-0■A2**	578	97.73	0.175	347	527
14942	**1DT1142-1TR04-0■A2**	625	97.81	0.168	375	580
15793	**1DT1142-1XR04-0■A2**	661	97.85	0.154	397	624
18536	**1DT1142-2ER04-0■A2**	775	97.97	0.130	465	690
6-pole						
5977	**1DK1122-1DR06-0■A2**	250	96.58	0.141	150	388
7017	**1DK1122-1KR06-0■A2**	294	96.83	0.136	176	458
7641	**1DK1122-1TR06-0■A2**	320	97.08	0.118	192	550
7840	**1DK1142-1FR06-0■A2**	328	96.23	0.173	197	714
9135	**1DK1142-1KR06-0■A2**	382	96.47	0.177	229	791
10261	**1DK1142-1PR06-0■A2**	429	96.72	0.148	257	868
12332	**1DK1142-1VR06-0■A2**	516	96.89	0.131	310	985
8-pole						
4776	**1DK1122-1FR08-0■A2**	200	96.67	0.155	120	486
5107	**1DK1122-1JR08-0■A2**	214	96.78	0.135	128	529
5485	**1DK1122-1PR08-0■A2**	229	96.87	0.139	137	598
6289	**1DK1122-1VR08-0■A2**	263	97.01	0.128	158	682
6525	**1DK1122-2CR08-0■A2**	273	97.14	0.121	164	766
6762	**1DK1142-1JR08-0■A2**	283	96.48	0.186	170	848
8086	**1DK1142-1LR08-0■A2**	338	96.61	0.170	203	891
8209	**1DK1142-1PR08-0■A2**	343	96.65	0.156	206	956
8767	**1DK1142-1TR08-0■A2**	367	96.78	0.147	220	1042
9883	**1DK1142-1XR08-0■A2**	413	96.87	0.142	248	1129
10403	**1DK1142-2ER08-0■A2**	435	96.95	0.131	261	1260
10-pole						
3957	**1DK1122-1JR10-0■A2**	166	96.49	0.147	100	636
4198	**1DK1122-1MR10-0■A2**	176	96.53	0.166	106	686
4516	**1DK1122-1SR10-0■A2**	189	96.72	0.158	113	771
4880	**1DK1122-1YR10-0■A2**	204	96.81	0.144	122	872
5580	**1DK1142-1GR10-0■A2**	233	96.45	0.201	140	904
6346	**1DK1142-1LR10-0■A2**	265	96.53	0.193	159	1002
6998	**1DK1142-1TR10-0■A2**	293	96.72	0.156	176	1172
7566	**1DK1142-1XR10-0■A2**	317	96.80	0.158	190	1270
7991	**1DK1142-2ER10-0■A2**	334	96.91	0.147	173	1417

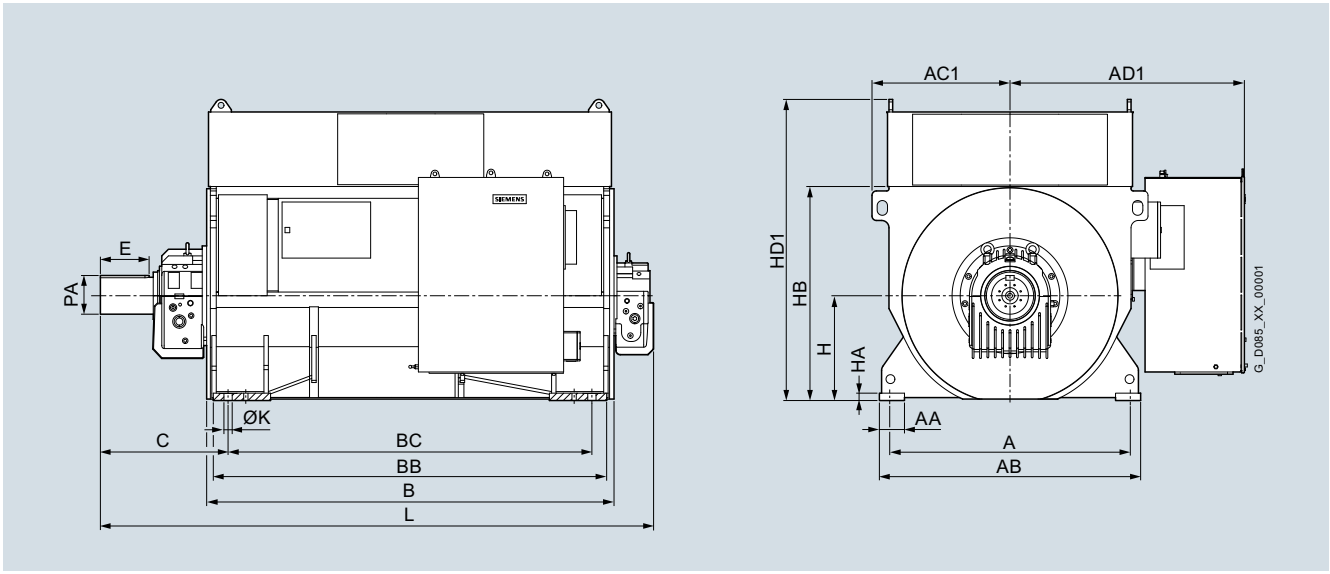
Cooling method:	
IC01 45 °C cooling air temperature	**F**
IC81W 33 °C cooling water temperature	**N**

Selection and ordering data (continued)

Rated power **DNV** kVA	**SIGENTICS M** **Marine applications** Article No.	Rated current I_{rated} A	Efficiency Utilization to class 155 (F) %	Subtransient reactance x_d'' (sat.) p. u.	Max. load step for voltage drop < 15 % U_N	Moment of inertia kgm^2
13 kV, 60 Hz, power factor 0.8 lagging						
12-pole						
2731	**1DK1122-1AR12-0■A2**	114	95.18	0.202	59	548
2943	**1DK1122-1DR12-0■A2**	123	95.46	0.174	74	604
3059	**1DK1122-1GR12-0■A2**	128	95.69	0.164	77	661
3474	**1DK1122-1MR12-0■A2**	145	95.84	0.169	87	753
3551	**1DK1122-1RR12-0■A2**	149	95.90	0.152	89	828
3957	**1DK1122-1VR12-0■A2**	166	96.02	0.145	100	903
3908	**1DK1142-1JR12-0■A2**	163	96.07	0.152	86	1153
4362	**1DK1142-1NR12-0■A2**	182	96.22	0.155	100	1272
4729	**1DK1142-1SR12-0■A2**	198	96.36	0.166	105	1391
5362	**1DK1142-1XR12-0■A2**	224	96.45	0.151	130	1539
14-pole						
2316	**1DK1122-1DR14-0■A2**	97	95.04	0.184	58	616
2654	**1DK1122-1JR14-0■A2**	111	95.30	0.177	67	712
2992	**1DK1122-1RR14-0■A2**	125	95.45	0.161	75	845
3358	**1DK1122-1XR14-0■A2**	140	95.74	0.165	84	960
3715	**1DK1142-1NR14-0■A2**	155	95.67	0.151	93	1405
4198	**1DK1142-1XR14-0■A2**	176	95.91	0.149	106	1699
4410	**1DK1142-2CR14-0■A2**	185	95.76	0.116	97	1830

Cooling method:	
IC01 45 °C cooling air temperature	**F**
IC81W 33 °C cooling water temperature	**N**

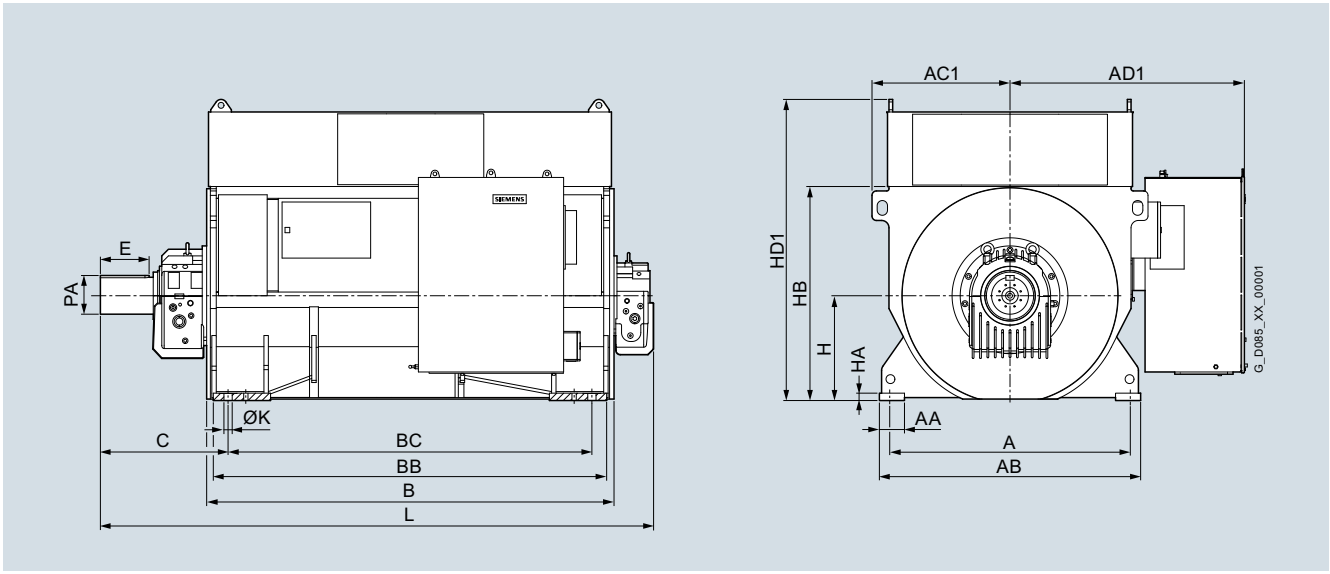
Dimensional drawings



Article No.	Dimensions ∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC01 cooling method, X ventilation, sleeve bearing													
4-pole, 3.3 kV, 50 Hz													
1DT1122-1PE04-0FA2	240	330	56	252	3820	2750	2660	2465	–	–	925	1770	1630
1DT1122-1TE04-0FA2	250	330	56	262	3820	2750	2660	2465	–	–	925	1770	1630
1DT1122-2CE04-0FA2	280	380	63	292	4044	2924	2834	2639	–	–	975	1770	1630
1DT1142-1XE04-0FA2	330	450	70	344	4092	2818	2723	2443	–	–	1100	1970	1830
1DT1142-2ME04-0FA2	360	450	80	375	4890	3050	2955	2675	–	–	980	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	Weight kg
1DT1122-1PE04-0FA2	50	170	710	1460	2270	940	1715	56	17100
1DT1122-1TE04-0FA2	50	170	710	1460	2270	940	1715	56	17700
1DT1122-2CE04-0FA2	50	170	710	1460	2270	940	1715	56	19500
1DT1142-1XE04-0FA2	60	200	800	1630	2330	1050	1825	56	24600
1DT1142-2ME04-0FA2	60	200	800	1630	2330	1050	1825	56	28800

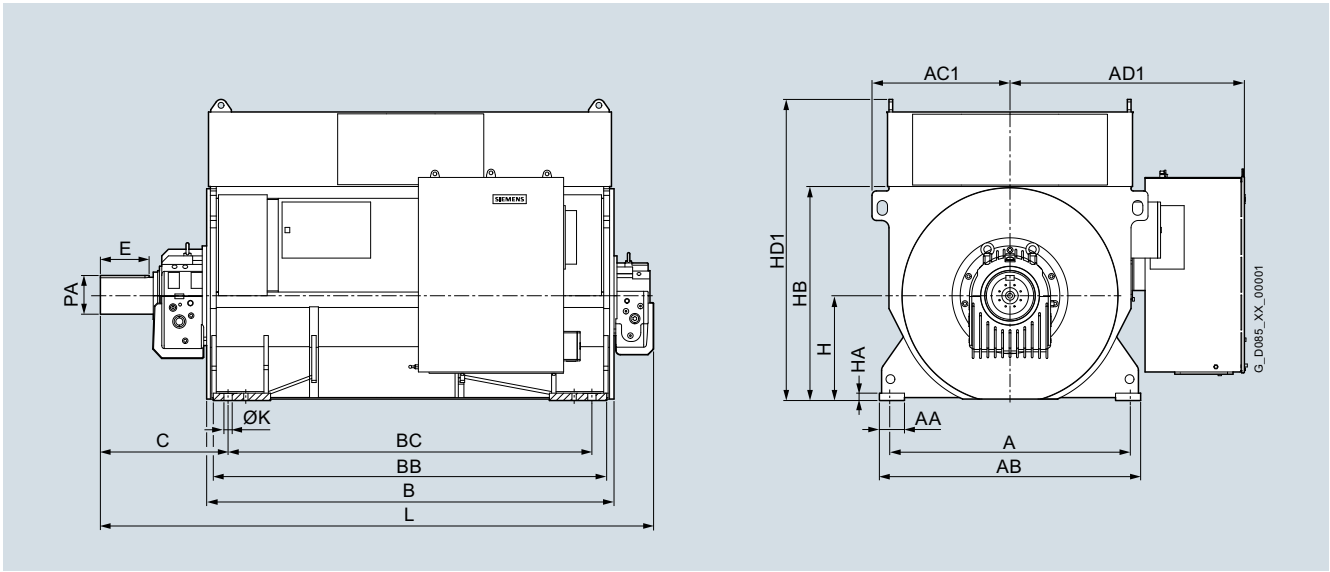
Dimensional drawings (continued)



Article No.	Dimensions Ø D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC01 cooling method, X ventilation, sleeve bearing													
4-pole, 4.16 kV, 60 Hz													
1DT1122-1HF04-0FA2	240	330	56	252	3530	2460	2370	2175	–	–	925	1770	1630
1DT1122-1PF04-0FA2	240	330	56	252	3820	2750	2660	2465	–	–	925	1770	1630
1DT1122-1WF04-0FA2	260	380	63	272	4700	2750	2660	2465	–	–	860	1770	1630
1DT1122-2CF04-0FA2	270	380	63	282	4700	2750	2660	2465	–	–	860	1770	1630
1DT1142-1NF04-0FA2	300	380	70	314	3790	2586	2491	2211	–	–	1030	1970	1830
1DT1142-1XF04-0FA2	330	450	70	344	3960	2818	2723	2443	–	–	980	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	Ø K mm	Weight kg
1DT1122-1HF04-0FA2	50	170	710	1460	2270	940	1715	56	15700
1DT1122-1PF04-0FA2	50	170	710	1460	2270	940	1715	56	17000
1DT1122-1WF04-0FA2	50	170	710	1460	2270	940	1715	56	19600
1DT1122-2CF04-0FA2	50	170	710	1460	2270	940	1715	56	20600
1DT1142-1NF04-0FA2	60	200	800	1630	2330	1050	1825	56	22000
1DT1142-1XF04-0FA2	60	200	800	1630	2330	1050	1825	56	24400

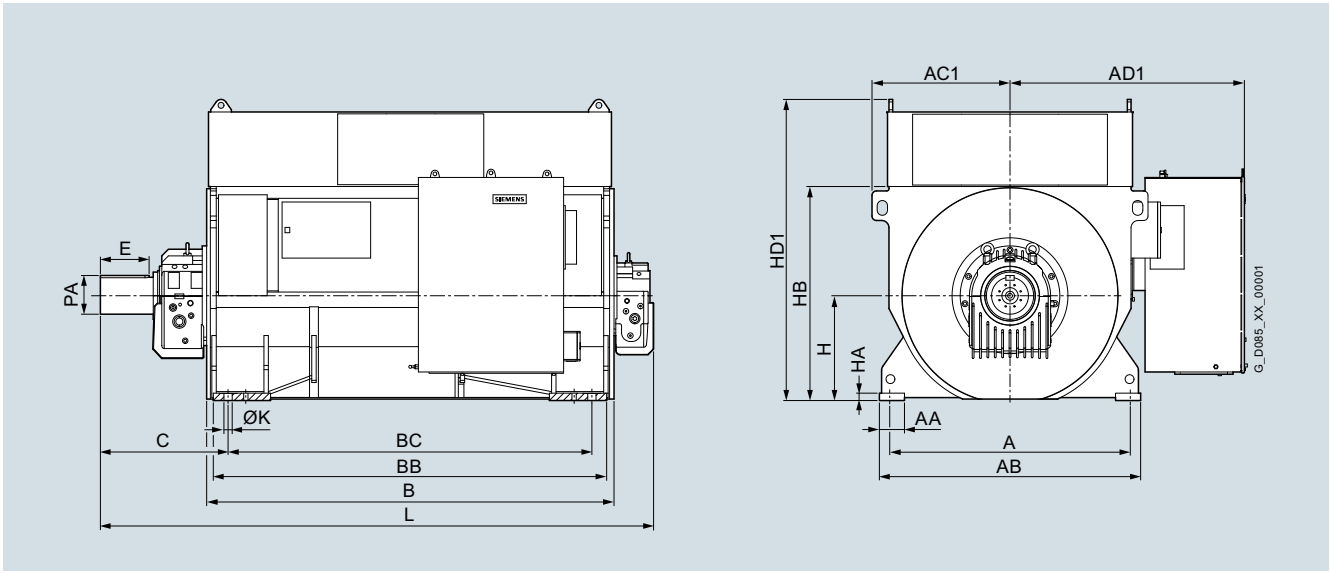
Dimensional drawings (continued)



Article No.	Dimensions												
	∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC01 cooling method, X ventilation, sleeve bearing													
4-pole, 6.3 kV, 50 Hz													
1DT1122-1PH04-0FA2	240	330	56	252	3820	2750	2660	2465	–	–	925	1770	1630
1DT1122-1TH04-0FA2	250	330	56	262	3820	2750	2660	2465	–	–	925	1770	1630
1DT1122-1WH04-0FA2	260	330	56	272	3994	2924	2834	2639	–	–	925	1770	1630
1DT1122-2CH04-0FA2	280	380	63	292	4044	2924	2834	2639	–	–	975	1770	1630
1DT1122-2HH04-0FA2	280	380	63	292	4874	2924	2834	2639	–	–	860	1770	1630
1DT1142-1TH04-0FA2	330	450	70	344	4092	2818	2723	2443	–	–	1100	1970	1830
1DT1142-1XH04-0FA2	330	450	70	344	4092	2818	2723	2443	–	–	1100	1970	1830
1DT1142-2EH04-0FA2	340	450	80	355	4192	3050	2955	2675	–	–	980	1970	1830
1DT1142-2MH04-0FA2	360	450	80	375	4890	3050	2955	2675	–	–	980	1970	1830

Article No. (repeated)	Dimensions								Weight
	HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	kg
1DT1122-1PH04-0FA2	50	170	710	1460	2270	940	1715	56	17100
1DT1122-1TH04-0FA2	50	170	710	1460	2270	940	1715	56	17700
1DT1122-1WH04-0FA2	50	170	710	1460	2270	940	1715	56	18700
1DT1122-2CH04-0FA2	50	170	710	1460	2270	940	1715	56	19500
1DT1122-2HH04-0FA2	50	170	710	1460	2270	940	1715	56	21800
1DT1142-1TH04-0FA2	60	200	800	1630	2330	1050	1825	56	23600
1DT1142-1XH04-0FA2	60	200	800	1630	2330	1050	1825	56	24600
1DT1142-2EH04-0FA2	60	200	800	1630	2330	1050	1825	56	26300
1DT1142-2MH04-0FA2	60	200	800	1630	2330	1050	1825	56	28800

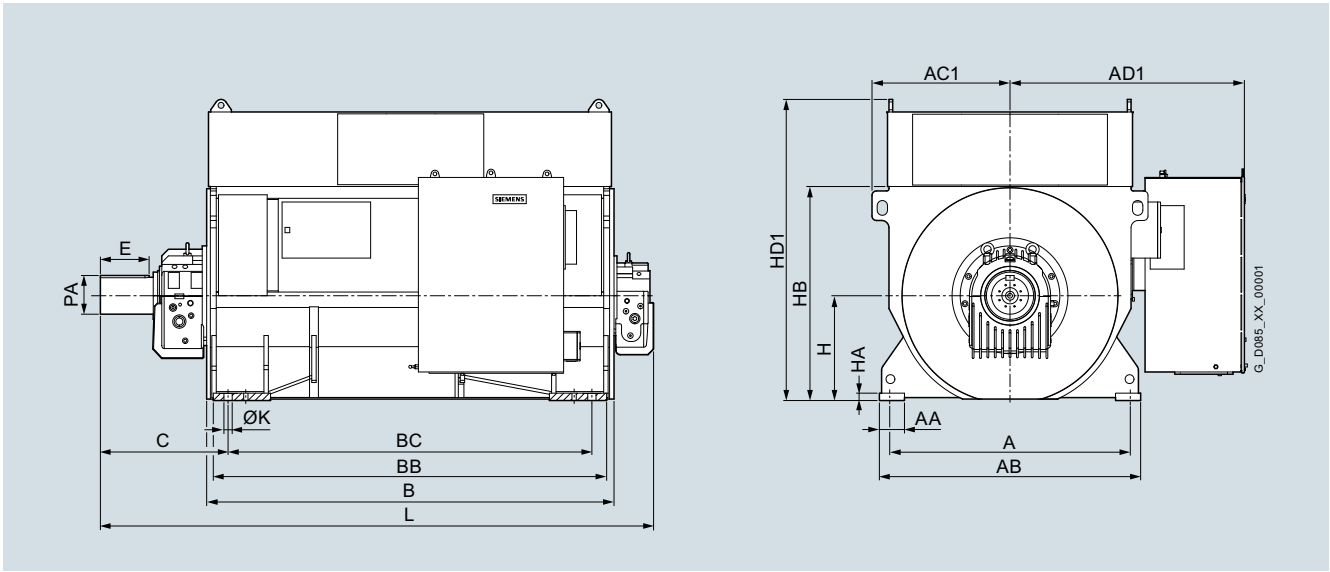
Dimensional drawings (continued)



Article No.	Dimensions												
	∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC01 cooling method, X ventilation, sleeve bearing													
4-pole, 6.6 kV, 60 Hz													
1DT1122-1HK04-0FA2	240	330	56	252	3530	2460	2370	2175	–	–	925	1770	1630
1DT1122-1PK04-0FA2	240	330	56	252	3820	2750	2660	2465	–	–	925	1770	1630
1DT1122-1TK04-0FA2	250	330	56	262	3820	2750	2660	2465	–	–	925	1770	1630
1DT1122-1WK04-0FA2	260	380	63	272	4700	2750	2660	2465	–	–	860	1770	1630
1DT1122-2CK04-0FA2	270	380	63	282	4700	2750	2660	2465	–	–	860	1770	1630
1DT1142-1NK04-0FA2	300	380	70	314	3790	2586	2491	2211	–	–	1030	1970	1830
1DT1142-1TK04-0FA2	330	450	70	344	3960	2818	2723	2443	–	–	980	1970	1830
1DT1142-1XK04-0FA2	330	450	70	344	3960	2818	2723	2443	–	–	980	1970	1830
1DT1142-2EK04-0FA2	340	450	80	355	4658	2818	2723	2443	–	–	980	1970	1830

Article No. (repeated)	Dimensions								Weight
	HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	kg
1DT1122-1HK04-0FA2	50	170	710	1460	2270	940	1715	56	15700
1DT1122-1PK04-0FA2	50	170	710	1460	2270	940	1715	56	17000
1DT1122-1TK04-0FA2	50	170	710	1460	2270	940	1715	56	17900
1DT1122-1WK04-0FA2	50	170	710	1460	2270	940	1715	56	19600
1DT1122-2CK04-0FA2	50	170	710	1460	2270	940	1715	56	20600
1DT1142-1NK04-0FA2	60	200	800	1630	2330	1050	1825	56	22000
1DT1142-1TK04-0FA2	60	200	800	1630	2330	1050	1825	56	23600
1DT1142-1XK04-0FA2	60	200	800	1630	2330	1050	1825	56	24400
1DT1142-2EK04-0FA2	60	200	800	1630	2330	1050	1825	56	26700

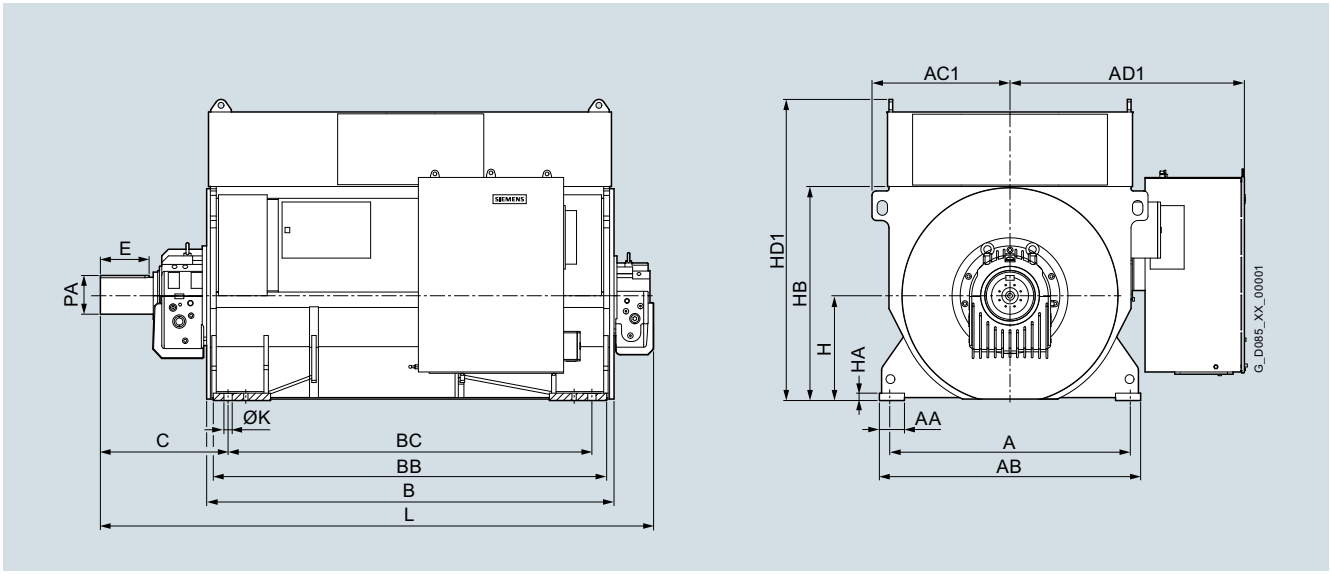
Dimensional drawings (continued)



Article No.	Dimensions ∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC01 cooling method, X ventilation, sleeve bearing													
4-pole, 11 kV, 50 Hz													
1DT1122-1PN04-0FA2	240	330	56	252	3820	2750	2660	2465	–	–	925	1770	1630
1DT1122-1TN04-0FA2	250	330	56	262	3820	2750	2660	2465	–	–	925	1770	1630
1DT1122-1WN04-0FA2	260	330	56	272	3994	2924	2834	2639	–	–	925	1770	1630
1DT1122-2CN04-0FA2	280	380	63	292	4044	2924	2834	2639	–	–	975	1770	1630
1DT1122-2HN04-0FA2	280	380	63	292	4874	2924	2834	2639	–	–	860	1770	1630
1DT1142-1TN04-0FA2	330	450	70	344	4092	2818	2723	2443	–	–	1100	1970	1830
1DT1142-1XN04-0FA2	330	450	70	344	4092	2818	2723	2443	–	–	1100	1970	1830
1DT1142-2EN04-0FA2	340	450	80	355	4192	3050	2955	2675	–	–	980	1970	1830
1DT1142-2MN04-0FA2	360	450	80	375	4890	3050	2955	2675	–	–	980	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	Weight kg
1DT1122-1PN04-0FA2	50	170	710	1460	2270	940	1715	56	17100
1DT1122-1TN04-0FA2	50	170	710	1460	2270	940	1715	56	17700
1DT1122-1WN04-0FA2	50	170	710	1460	2270	940	1715	56	18700
1DT1122-2CN04-0FA2	50	170	710	1460	2270	940	1715	56	19500
1DT1122-2HN04-0FA2	50	170	710	1460	2270	940	1715	56	21800
1DT1142-1TN04-0FA2	60	200	800	1630	2330	1050	1825	56	23600
1DT1142-1XN04-0FA2	60	200	800	1630	2330	1050	1825	56	24600
1DT1142-2EN04-0FA2	60	200	800	1630	2330	1050	1825	56	26300
1DT1142-2MN04-0FA2	60	200	800	1630	2330	1050	1825	56	28800

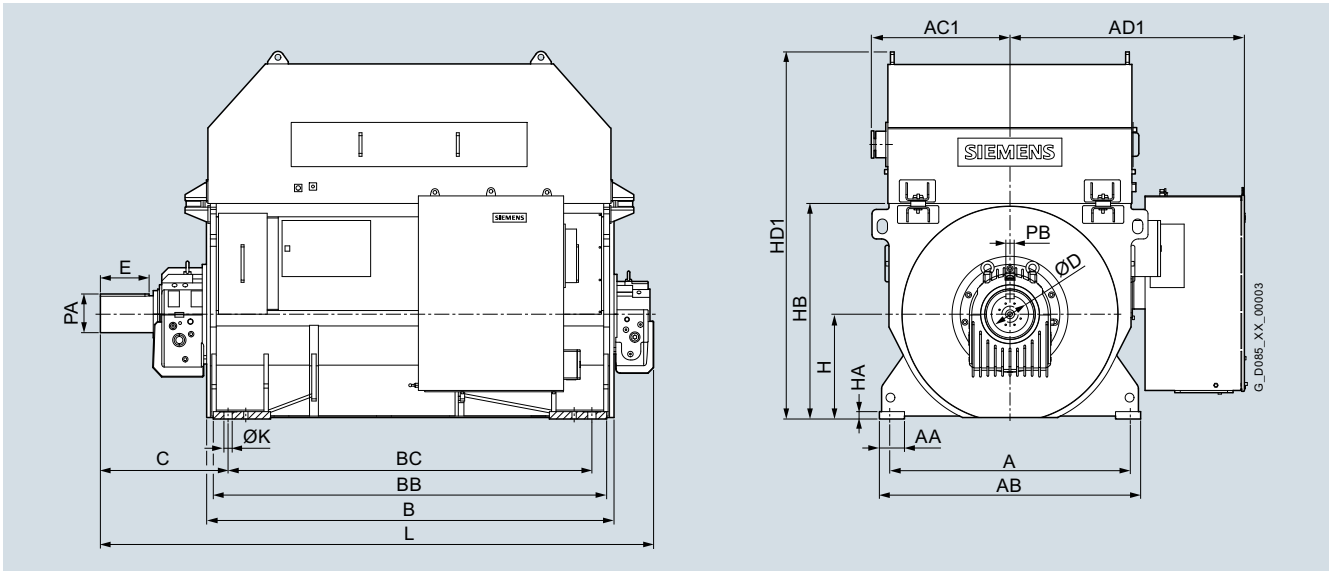
Dimensional drawings (continued)



Article No.	Dimensions												
	∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC01 cooling method, X ventilation, sleeve bearing													
4-pole, 13.8 kV, 60 Hz													
1DT1122-1HR04-0FA2	240	330	56	252	3530	2460	2370	2175	–	–	925	1770	1630
1DT1122-1PR04-0FA2	240	330	56	252	3820	2750	2660	2465	–	–	925	1770	1630
1DT1122-1TR04-0FA2	250	330	56	262	3820	2750	2660	2465	–	–	925	1770	1630
1DT1122-1WR04-0FA2	260	380	63	272	4700	2750	2660	2465	–	–	860	1770	1630
1DT1122-2CR04-0FA2	270	380	63	282	4700	2750	2660	2465	–	–	860	1770	1630
1DT1142-1NR04-0FA2	300	380	70	314	3790	2586	2491	2211	–	–	1030	1970	1830
1DT1142-1TR04-0FA2	330	450	70	344	3960	2818	2723	2443	–	–	980	1970	1830
1DT1142-1XR04-0FA2	330	450	70	344	3960	2818	2723	2443	–	–	980	1970	1830
1DT1142-2ER04-0FA2	340	450	80	355	4658	2818	2723	2443	–	–	980	1970	1830

Article No. (repeated)	Dimensions								Weight
	HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	kg
1DT1122-1HR04-0FA2	50	170	710	1460	2270	940	1715	56	15700
1DT1122-1PR04-0FA2	50	170	710	1460	2270	940	1715	56	17000
1DT1122-1TR04-0FA2	50	170	710	1460	2270	940	1715	56	17900
1DT1122-1WR04-0FA2	50	170	710	1460	2270	940	1715	56	19600
1DT1122-2CR04-0FA2	50	170	710	1460	2270	940	1715	56	20600
1DT1142-1NR04-0FA2	60	200	800	1630	2330	1050	1825	56	22000
1DT1142-1TR04-0FA2	60	200	800	1630	2330	1050	1825	56	23600
1DT1142-1XR04-0FA2	60	200	800	1630	2330	1050	1825	56	24400
1DT1142-2ER04-0FA2	60	200	800	1630	2330	1050	1825	56	26700

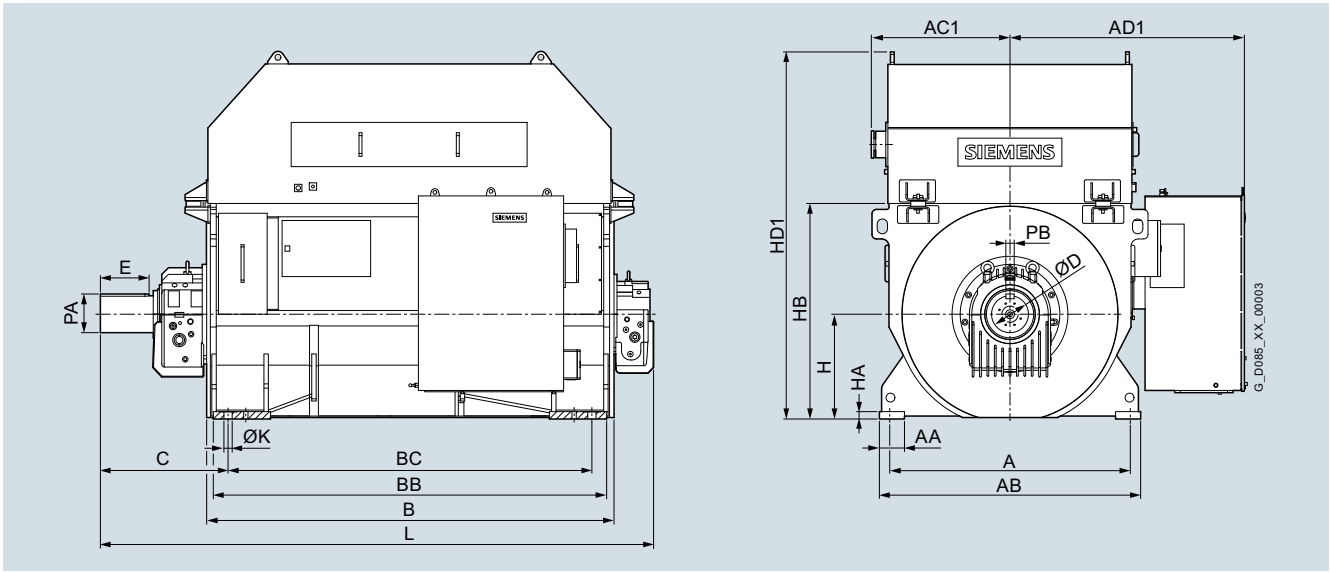
Dimensional drawings



Article No.	Dimensions Ø D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC81W cooling method, X ventilation, sleeve bearing													
4-pole, 3.3 kV, 50 Hz													
1DT1122-1PE04-0NA2	240	330	56	252	3820	2750	2660	2465	–	–	925	1770	1630
1DT1122-1TE04-0NA2	250	330	56	262	3820	2750	2660	2465	–	–	925	1770	1630
1DT1122-2CE04-0NA2	280	380	63	292	4044	2924	2834	2639	–	–	975	1770	1630
1DT1142-1XE04-0NA2	330	450	70	344	4092	2818	2723	2443	–	–	1100	1970	1830
1DT1142-2ME04-0NA2	360	450	80	375	4890	3050	2955	2675	–	–	980	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	Ø K mm	Weight kg
1DT1122-1PE04-0NA2	50	170	710	1460	2490	940	1715	56	17600
1DT1122-1TE04-0NA2	50	170	710	1460	2490	940	1715	56	18200
1DT1122-2CE04-0NA2	50	170	710	1460	2490	940	1715	56	20100
1DT1142-1XE04-0NA2	60	200	800	1630	940	1050	1825	56	25600
1DT1142-2ME04-0NA2	60	200	800	1630	940	1050	1825	56	29900

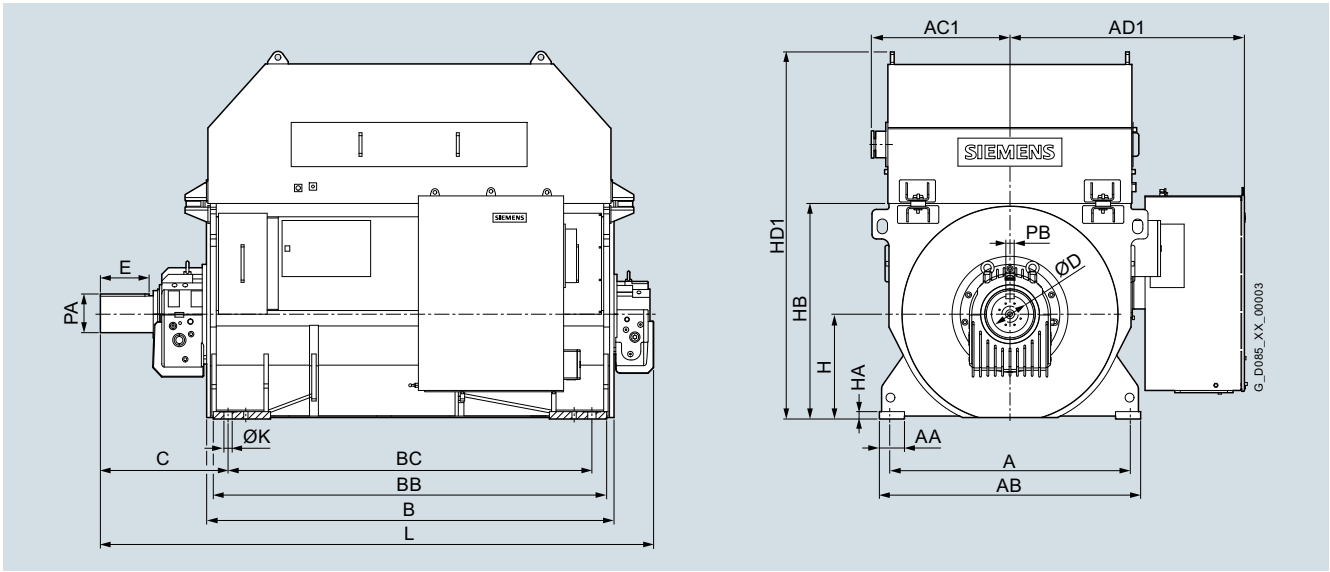
Dimensional drawings (continued)



Article No.	Dimensions Ø D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC81W cooling method, X ventilation, sleeve bearing													
4-pole, 4.16 kV, 60 Hz													
1DT1122-1HF04-0NA2	240	330	56	252	3530	2460	2370	2175	–	–	925	1770	1630
1DT1122-1PF04-0NA2	240	330	56	252	3820	2750	2660	2465	–	–	925	1770	1630
1DT1122-1WF04-0NA2	260	380	63	272	4700	2750	2660	2465	–	–	860	1770	1630
1DT1122-2CF04-0NA2	270	380	63	282	4700	2750	2660	2465	–	–	860	1770	1630
1DT1142-1NF04-0NA2	300	380	70	314	3790	2586	2491	2211	–	–	1030	1970	1830
1DT1142-1XF04-0NA2	330	450	70	344	3960	2818	2723	2443	–	–	980	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	Ø K mm	Weight kg
1DT1122-1HF04-0NA2	50	170	710	1460	2490	940	1715	56	16100
1DT1122-1PF04-0NA2	50	170	710	1460	2490	940	1715	56	17500
1DT1122-1WF04-0NA2	50	170	710	1460	2490	940	1715	56	20100
1DT1122-2CF04-0NA2	50	170	710	1460	2490	940	1715	56	21100
1DT1142-1NF04-0NA2	60	200	800	1630	940	1050	1825	56	23000
1DT1142-1XF04-0NA2	60	200	800	1630	940	1050	1825	56	25400

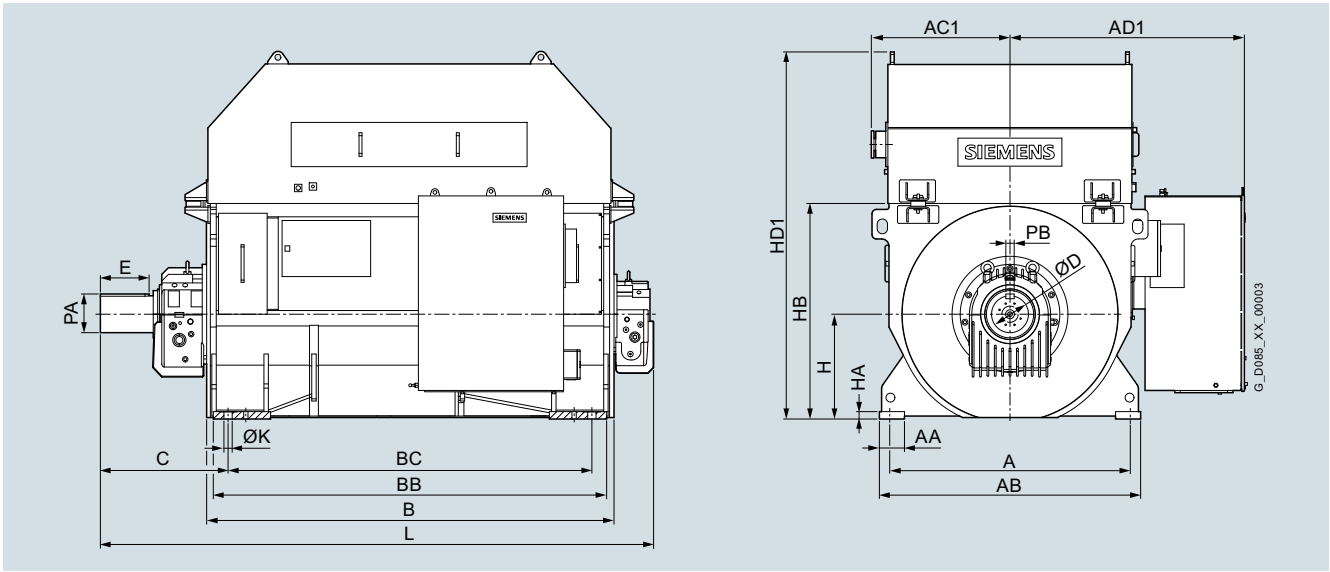
Dimensional drawings (continued)



Article No.	Dimensions ∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC81W cooling method, X ventilation, sleeve bearing													
4-pole, 6.3 kV, 50 Hz													
1DT1122-1PH04-0NA2	240	330	56	252	3820	2750	2660	2465	–	–	925	1770	1630
1DT1122-1TH04-0NA2	250	330	56	262	3820	2750	2660	2465	–	–	925	1770	1630
1DT1122-1WH04-0NA2	260	330	56	272	3994	2924	2834	2639	–	–	925	1770	1630
1DT1122-2CH04-0NA2	280	380	63	292	4044	2924	2834	2639	–	–	975	1770	1630
1DT1122-2HH04-0NA2	280	380	63	292	4874	2924	2834	2639	–	–	860	1770	1630
1DT1142-1TH04-0NA2	330	450	70	344	4092	2818	2723	2443	–	–	1100	1970	1830
1DT1142-1XH04-0NA2	330	450	70	344	4092	2818	2723	2443	–	–	1100	1970	1830
1DT1142-2EH04-0NA2	340	450	80	355	4192	3050	2955	2675	–	–	980	1970	1830
1DT1142-2MH04-0NA2	360	450	80	375	4890	3050	2955	2675	–	–	980	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	Weight kg
1DT1122-1PH04-0NA2	50	170	710	1460	2490	940	1715	56	17600
1DT1122-1TH04-0NA2	50	170	710	1460	2490	940	1715	56	18200
1DT1122-1WH04-0NA2	50	170	710	1460	2490	940	1715	56	19300
1DT1122-2CH04-0NA2	50	170	710	1460	2490	940	1715	56	20100
1DT1122-2HH04-0NA2	50	170	710	1460	2490	940	1715	56	22300
1DT1142-1TH04-0NA2	60	200	800	1630	940	1050	1825	56	24600
1DT1142-1XH04-0NA2	60	200	800	1630	940	1050	1825	56	25600
1DT1142-2EH04-0NA2	60	200	800	1630	940	1050	1825	56	27300
1DT1142-2MH04-0NA2	60	200	800	1630	940	1050	1825	56	29900

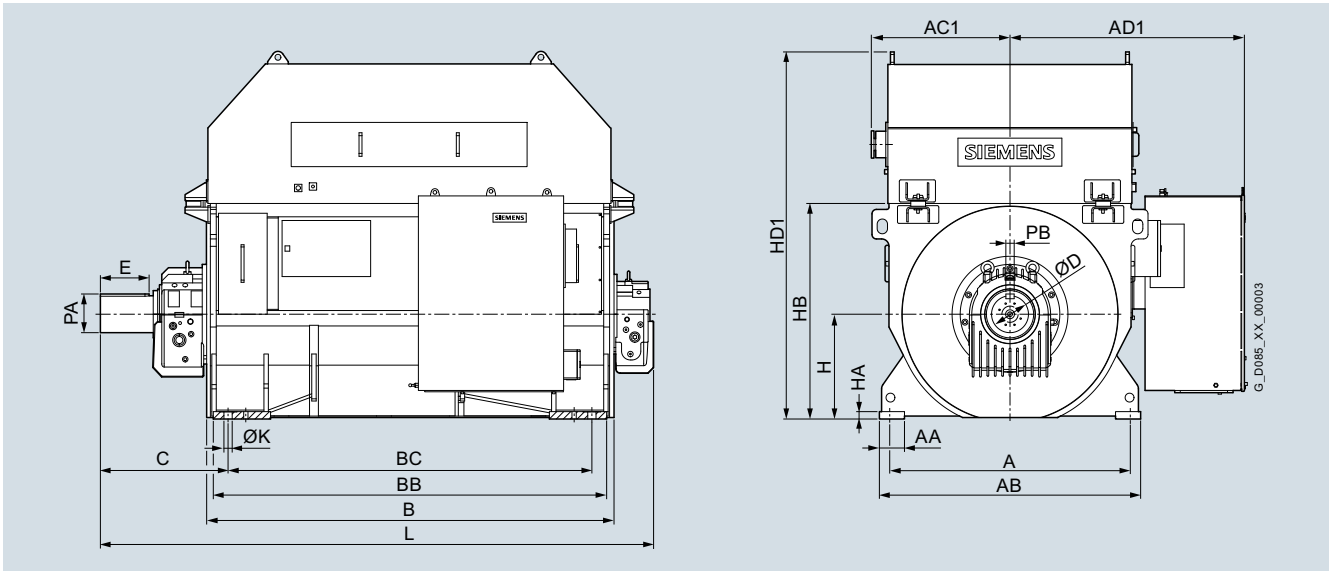
Dimensional drawings (continued)



Article No.	Dimensions ∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC81W cooling method, X ventilation, sleeve bearing													
4-pole, 6.6 kV, 60 Hz													
1DT1122-1HK04-0NA2	240	330	56	252	3530	2460	2370	2175	–	–	925	1770	1630
1DT1122-1PK04-0NA2	240	330	56	252	3820	2750	2660	2465	–	–	925	1770	1630
1DT1122-1TK04-0NA2	250	330	56	262	3820	2750	2660	2465	–	–	925	1770	1630
1DT1122-1WK04-0NA2	260	380	63	272	4700	2750	2660	2465	–	–	860	1770	1630
1DT1122-2CK04-0NA2	270	380	63	282	4700	2750	2660	2465	–	–	860	1770	1630
1DT1142-1NK04-0NA2	300	380	70	314	3790	2586	2491	2211	–	–	1030	1970	1830
1DT1142-1TK04-0NA2	330	450	70	344	3960	2818	2723	2443	–	–	980	1970	1830
1DT1142-1XK04-0NA2	330	450	70	344	3960	2818	2723	2443	–	–	980	1970	1830
1DT1142-2EK04-0NA2	340	450	80	355	4658	2818	2723	2443	–	–	980	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	Weight kg
1DT1122-1HK04-0NA2	50	170	710	1460	2490	940	1715	56	16100
1DT1122-1PK04-0NA2	50	170	710	1460	2490	940	1715	56	17500
1DT1122-1TK04-0NA2	50	170	710	1460	2490	940	1715	56	18300
1DT1122-1WK04-0NA2	50	170	710	1460	2490	940	1715	56	20100
1DT1122-2CK04-0NA2	50	170	710	1460	2490	940	1715	56	21100
1DT1142-1NK04-0NA2	60	200	800	1630	940	1050	1825	56	23000
1DT1142-1TK04-0NA2	60	200	800	1630	940	1050	1825	56	24600
1DT1142-1XK04-0NA2	60	200	800	1630	940	1050	1825	56	25400
1DT1142-2EK04-0NA2	60	200	800	1630	940	1050	1825	56	27700

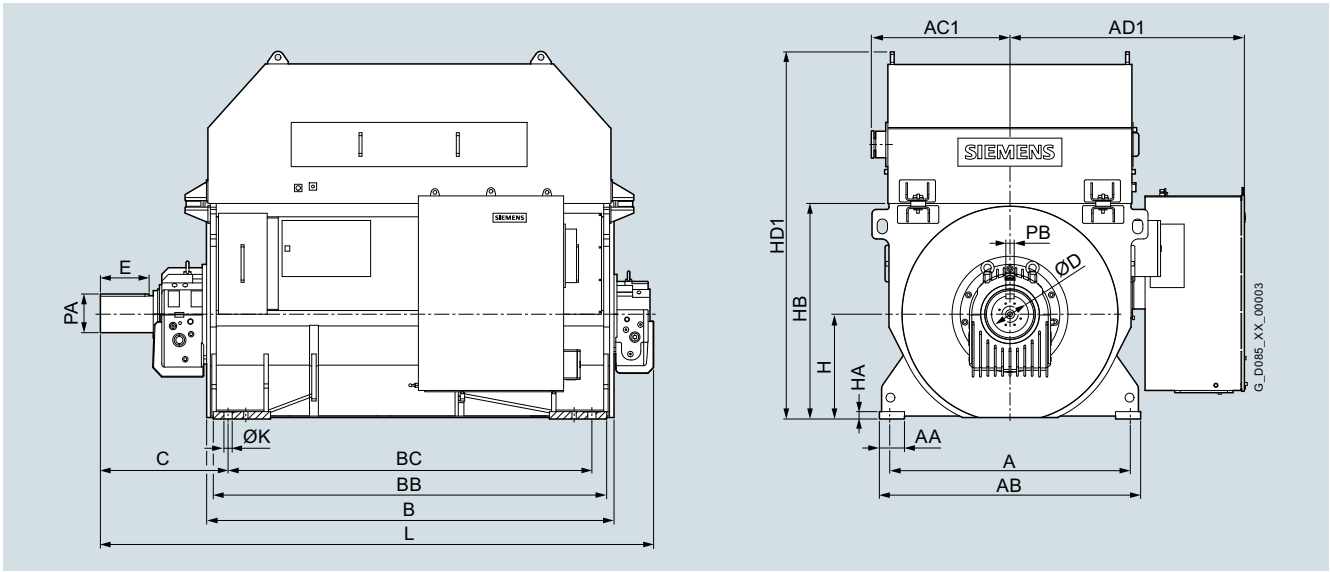
Dimensional drawings (continued)



Article No.	Dimensions ∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC81W cooling method, X ventilation, sleeve bearing													
4-pole, 11 kV, 50 Hz													
1DT1122-1PN04-0NA2	240	330	56	252	3820	2750	2660	2465	–	–	925	1770	1630
1DT1122-1TN04-0NA2	250	330	56	262	3820	2750	2660	2465	–	–	925	1770	1630
1DT1122-1WN04-0NA2	260	330	56	272	3994	2924	2834	2639	–	–	925	1770	1630
1DT1122-2CN04-0NA2	280	380	63	292	4044	2924	2834	2639	–	–	975	1770	1630
1DT1122-2HN04-0NA2	280	380	63	292	4874	2924	2834	2639	–	–	860	1770	1630
1DT1142-1TN04-0NA2	330	450	70	344	4092	2818	2723	2443	–	–	1100	1970	1830
1DT1142-1XN04-0NA2	330	450	70	344	4092	2818	2723	2443	–	–	1100	1970	1830
1DT1142-2EN04-0NA2	340	450	80	355	4192	3050	2955	2675	–	–	980	1970	1830
1DT1142-2MN04-0NA2	360	450	80	375	4890	3050	2955	2675	–	–	980	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	Weight kg
1DT1122-1PN04-0NA2	50	170	710	1460	2490	940	1715	56	17600
1DT1122-1TN04-0NA2	50	170	710	1460	2490	940	1715	56	18200
1DT1122-1WN04-0NA2	50	170	710	1460	2490	940	1715	56	19300
1DT1122-2CN04-0NA2	50	170	710	1460	2490	940	1715	56	20100
1DT1122-2HN04-0NA2	50	170	710	1460	2490	940	1715	56	22300
1DT1142-1TN04-0NA2	60	200	800	1630	940	1050	1825	56	24600
1DT1142-1XN04-0NA2	60	200	800	1630	940	1050	1825	56	25600
1DT1142-2EN04-0NA2	60	200	800	1630	940	1050	1825	56	27300
1DT1142-2MN04-0NA2	60	200	800	1630	940	1050	1825	56	29900

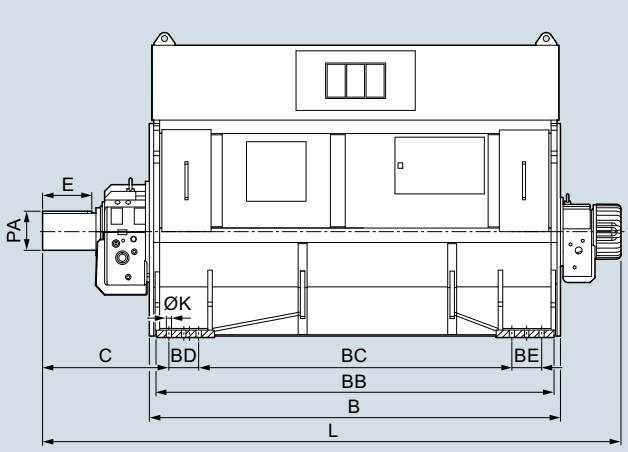
Dimensional drawings (continued)

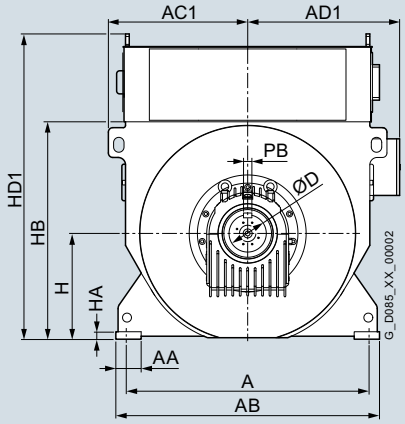


Article No.	Dimensions												
	∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC81W cooling method, X ventilation, sleeve bearing													
4-pole, 13.8 kV, 60 Hz													
1DT1122-1HR04-0NA2	240	330	56	252	3530	2460	2370	2175	–	–	925	1770	1630
1DT1122-1PR04-0NA2	240	330	56	252	3820	2750	2660	2465	–	–	925	1770	1630
1DT1122-1TR04-0NA2	250	330	56	262	3820	2750	2660	2465	–	–	925	1770	1630
1DT1122-1WR04-0NA2	260	380	63	272	4700	2750	2660	2465	–	–	860	1770	1630
1DT1122-2CR04-0NA2	270	380	63	282	4700	2750	2660	2465	–	–	860	1770	1630
1DT1142-1NR04-0NA2	300	380	70	314	3790	2586	2491	2211	–	–	1030	1970	1830
1DT1142-1TR04-0NA2	330	450	70	344	3960	2818	2723	2443	–	–	980	1970	1830
1DT1142-1XR04-0NA2	330	450	70	344	3960	2818	2723	2443	–	–	980	1970	1830
1DT1142-2ER04-0NA2	340	450	80	355	4658	2818	2723	2443	–	–	980	1970	1830

Article No. (repeated)	Dimensions								Weight
	HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	kg
1DT1122-1HR04-0NA2	50	170	710	1460	2490	940	1715	56	16100
1DT1122-1PR04-0NA2	50	170	710	1460	2490	940	1715	56	17500
1DT1122-1TR04-0NA2	50	170	710	1460	2490	940	1715	56	18300
1DT1122-1WR04-0NA2	50	170	710	1460	2490	940	1715	56	20100
1DT1122-2CR04-0NA2	50	170	710	1460	2490	940	1715	56	21100
1DT1142-1NR04-0NA2	60	200	800	1630	940	1050	1825	56	23000
1DT1142-1TR04-0NA2	60	200	800	1630	940	1050	1825	56	24600
1DT1142-1XR04-0NA2	60	200	800	1630	940	1050	1825	56	25400
1DT1142-2ER04-0NA2	60	200	800	1630	940	1050	1825	56	27700

Dimensional drawings

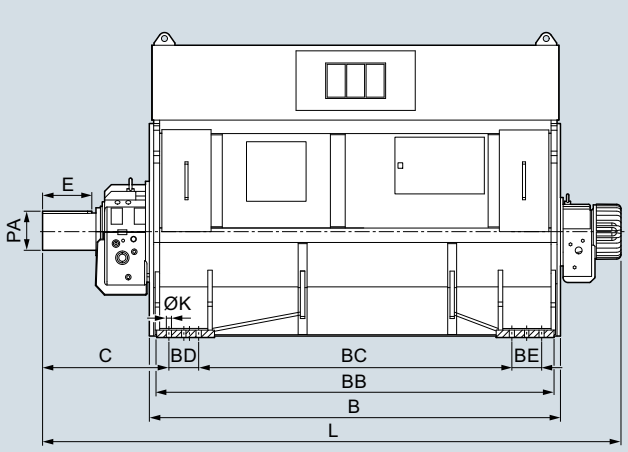


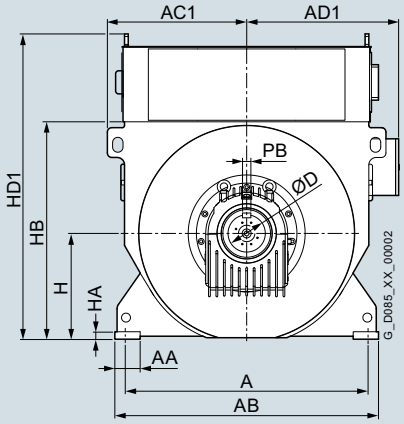


Article No.	Dimensions Ø D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC01 cooling method, Z ventilation, sleeve bearing													
6-pole, 3.3 kV, 50 Hz													
1DK1122-1DE06-0FA2	250	330	56	262	3505	2460	2370	1812	200	200	885	1770	1630
1DK1122-1KE06-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	935	1770	1630
1DK1122-1TE06-0FA2	280	380	63	292	4019	2924	2834	2276	200	200	935	1770	1630
1DK1122-1WE06-0FA2	280	380	63	292	4019	2924	2834	2276	200	200	935	1770	1630
1DK1142-1KE06-0FA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1PE06-0FA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1VE06-0FA2	340	450	80	355	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-2BE06-0FA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	Ø K mm	Weight kg
1DK1122-1DE06-0FA2	50	170	710	1460	2270	940	1020	39	14300
1DK1122-1KE06-0FA2	50	170	710	1460	2270	940	1020	39	16000
1DK1122-1TE06-0FA2	50	170	710	1460	2270	940	1020	39	18100
1DK1122-1WE06-0FA2	50	170	710	1460	2270	940	1020	39	18700
1DK1142-1KE06-0FA2	60	200	800	1630	2330	1050	1825	39	22200
1DK1142-1PE06-0FA2	60	200	800	1630	2330	1050	1825	39	23600
1DK1142-1VE06-0FA2	60	200	800	1630	2330	1050	1825	39	25200
1DK1142-2BE06-0FA2	60	200	800	1630	2330	1050	1825	39	26800

Dimensional drawings (continued)

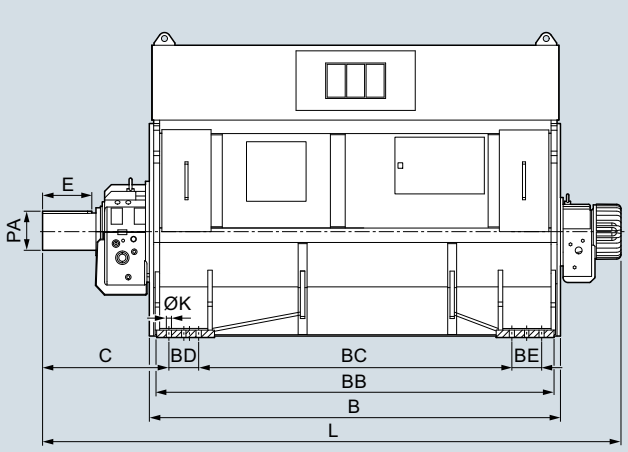


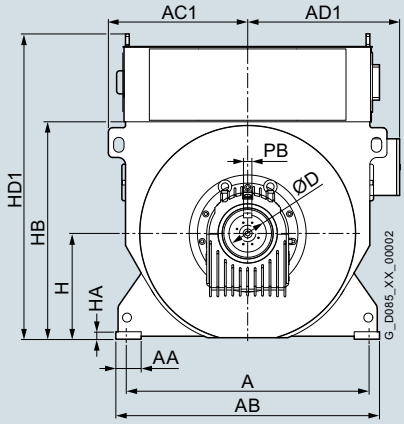


Article No.	Dimensions												
	∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC01 cooling method, Z ventilation, sleeve bearing													
6-pole, 4.16 kV, 60 Hz													
1DK1122-1DF06-0FA2	250	330	56	262	3505	2460	2370	1812	200	200	885	1770	1630
1DK1122-1KF06-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	935	1770	1630
1DK1122-1TF06-0FA2	280	380	63	292	4019	2924	2834	2276	200	200	935	1770	1630
1DK1142-1FF06-0FA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1KF06-0FA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1PF06-0FA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1VF06-0FA2	340	450	80	355	4119	2818	2723	1928	200	365	1135	1970	1830

Article No. (repeated)	Dimensions								Weight
	HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	 kg
1DK1122-1DF06-0FA2	50	170	710	1460	2270	940	1020	39	14300
1DK1122-1KF06-0FA2	50	170	710	1460	2270	940	1020	39	16100
1DK1122-1TF06-0FA2	50	170	710	1460	2270	940	1020	39	18100
1DK1142-1FF06-0FA2	60	200	800	1630	2330	1050	1825	39	21100
1DK1142-1KF06-0FA2	60	200	800	1630	2330	1050	1825	39	22100
1DK1142-1PF06-0FA2	60	200	800	1630	2330	1050	1825	39	23600
1DK1142-1VF06-0FA2	60	200	800	1630	2330	1050	1825	39	25100

Dimensional drawings (continued)

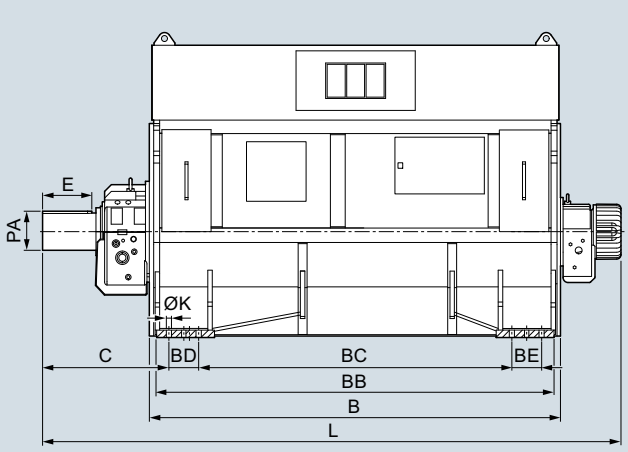


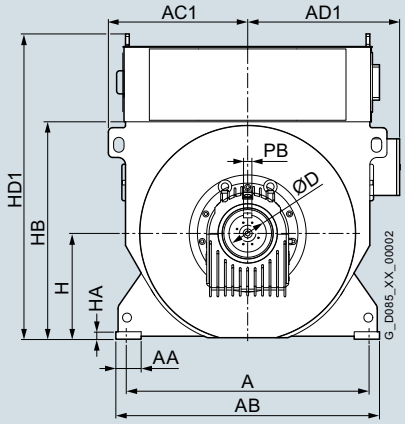


Article No.	Dimensions ∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC01 cooling method, Z ventilation, sleeve bearing													
6-pole, 6.3 kV, 50 Hz													
1DK1122-1DH06-0FA2	250	330	56	262	3505	2460	2370	1812	200	200	885	1770	1630
1DK1122-1KH06-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	935	1770	1630
1DK1122-1TH06-0FA2	280	380	63	292	4019	2924	2834	2276	200	200	935	1770	1630
1DK1122-1WH06-0FA2	280	380	63	292	4019	2924	2834	2276	200	200	935	1770	1630
1DK1142-1KH06-0FA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1PH06-0FA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1VH06-0FA2	340	450	80	355	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-2BH06-0FA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	Weight kg
1DK1122-1DH06-0FA2	50	170	710	1460	2270	940	1020	39	14300
1DK1122-1KH06-0FA2	50	170	710	1460	2270	940	1020	39	16000
1DK1122-1TH06-0FA2	50	170	710	1460	2270	940	1020	39	18100
1DK1122-1WH06-0FA2	50	170	710	1460	2270	940	1020	39	18700
1DK1142-1KH06-0FA2	60	200	800	1630	2330	1050	1825	39	22200
1DK1142-1PH06-0FA2	60	200	800	1630	2330	1050	1825	39	23600
1DK1142-1VH06-0FA2	60	200	800	1630	2330	1050	1825	39	25200
1DK1142-2BH06-0FA2	60	200	800	1630	2330	1050	1825	39	26800

Dimensional drawings (continued)

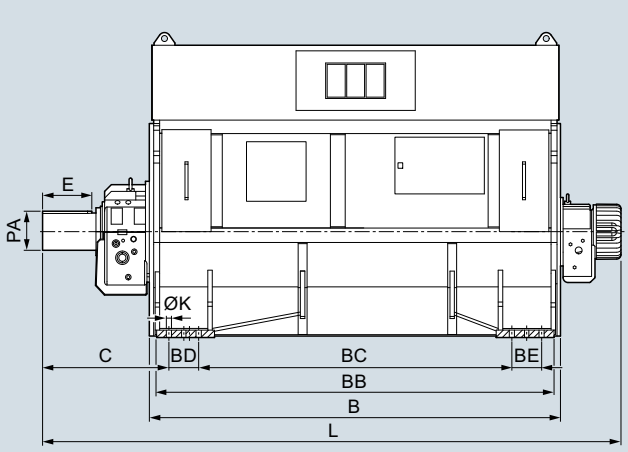


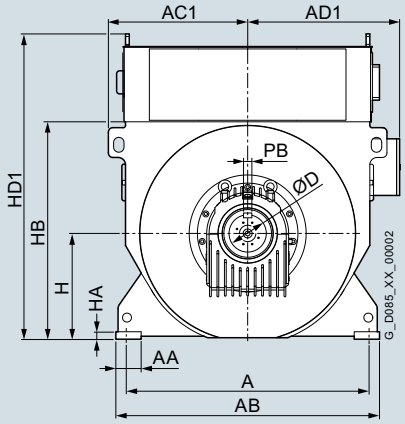


Article No.	Dimensions												
	∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC01 cooling method, Z ventilation, sleeve bearing													
6-pole, 6.6 kV, 60 Hz													
1DK1122-1DK06-0FA2	250	330	56	262	3505	2460	2370	1812	200	200	885	1770	1630
1DK1122-1KK06-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	935	1770	1630
1DK1122-1TK06-0FA2	280	380	63	292	4019	2924	2834	2276	200	200	935	1770	1630
1DK1142-1FK06-0FA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1KK06-0FA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1PK06-0FA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1VK06-0FA2	340	450	80	355	4119	2818	2723	1928	200	365	1135	1970	1830

Article No. (repeated)	Dimensions								Weight
	HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	kg
1DK1122-1DK06-0FA2	50	170	710	1460	2270	940	1020	39	14300
1DK1122-1KK06-0FA2	50	170	710	1460	2270	940	1020	39	16100
1DK1122-1TK06-0FA2	50	170	710	1460	2270	940	1020	39	18100
1DK1142-1FK06-0FA2	60	200	800	1630	2330	1050	1825	39	21100
1DK1142-1KK06-0FA2	60	200	800	1630	2330	1050	1825	39	22100
1DK1142-1PK06-0FA2	60	200	800	1630	2330	1050	1825	39	23600
1DK1142-1VK06-0FA2	60	200	800	1630	2330	1050	1825	39	25100

Dimensional drawings (continued)

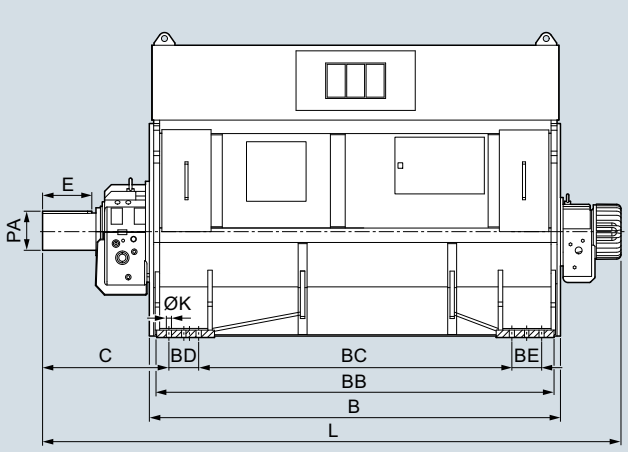


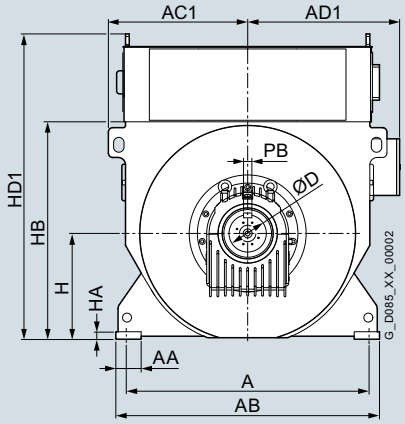


Article No.	Dimensions ∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC01 cooling method, Z ventilation, sleeve bearing													
6-pole, 11 kV, 50 Hz													
1DK1122-1DN06-0FA2	250	330	56	262	3505	2460	2370	1812	200	200	885	1770	1630
1DK1122-1KN06-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	935	1770	1630
1DK1122-1TN06-0FA2	280	380	63	292	4019	2924	2834	2276	200	200	935	1770	1630
1DK1122-1WN06-0FA2	280	380	63	292	4019	2924	2834	2276	200	200	935	1770	1630
1DK1142-1KN06-0FA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1PN06-0FA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1VN06-0FA2	340	450	80	355	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-2BN06-0FA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	Weight kg
1DK1122-1DN06-0FA2	50	170	710	1460	2270	940	1020	39	14300
1DK1122-1KN06-0FA2	50	170	710	1460	2270	940	1020	39	16000
1DK1122-1TN06-0FA2	50	170	710	1460	2270	940	1020	39	18100
1DK1122-1WN06-0FA2	50	170	710	1460	2270	940	1020	39	18700
1DK1142-1KN06-0FA2	60	200	800	1630	2330	1050	1825	39	22200
1DK1142-1PN06-0FA2	60	200	800	1630	2330	1050	1825	39	23600
1DK1142-1VN06-0FA2	60	200	800	1630	2330	1050	1825	39	25200
1DK1142-2BN06-0FA2	60	200	800	1630	2330	1050	1825	39	26800

Dimensional drawings (continued)

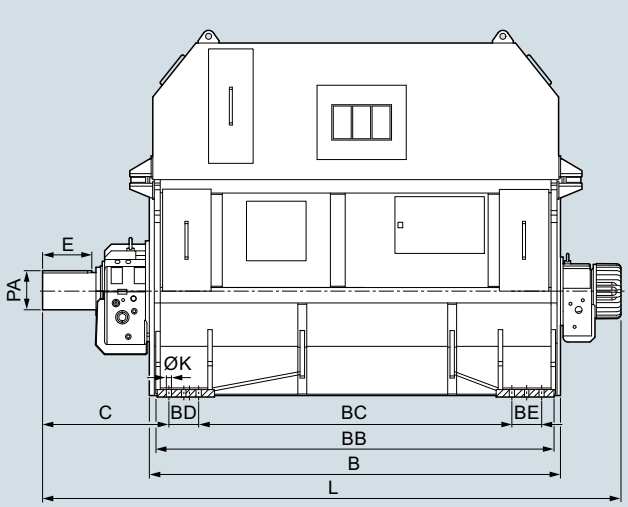


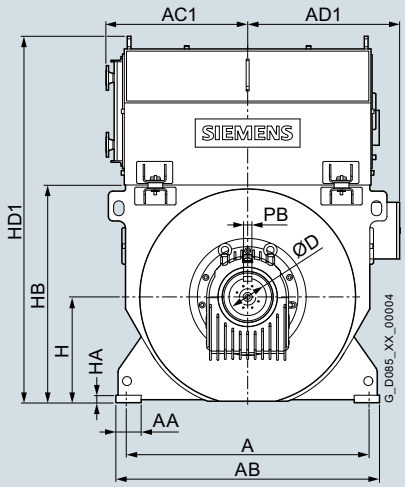


Article No.	Dimensions												
	∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC01 cooling method, Z ventilation, sleeve bearing													
6-pole, 13.8 kV, 60 Hz													
1DK1122-1DR06-0FA2	250	330	56	262	3505	2460	2370	1812	200	200	885	1770	1630
1DK1122-1KR06-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	935	1770	1630
1DK1122-1TR06-0FA2	280	380	63	292	4019	2924	2834	2276	200	200	935	1770	1630
1DK1142-1FR06-0FA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1KR06-0FA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1PR06-0FA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1VR06-0FA2	340	450	80	355	4119	2818	2723	1928	200	365	1135	1970	1830

Article No. (repeated)	Dimensions								Weight
	HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	kg
1DK1122-1DR06-0FA2	50	170	710	1460	2270	940	1020	39	14300
1DK1122-1KR06-0FA2	50	170	710	1460	2270	940	1020	39	16100
1DK1122-1TR06-0FA2	50	170	710	1460	2270	940	1020	39	18100
1DK1142-1FR06-0FA2	60	200	800	1630	2330	1050	1825	39	21100
1DK1142-1KR06-0FA2	60	200	800	1630	2330	1050	1825	39	22100
1DK1142-1PR06-0FA2	60	200	800	1630	2330	1050	1825	39	23600
1DK1142-1VR06-0FA2	60	200	800	1630	2330	1050	1825	39	25100

Dimensional drawings

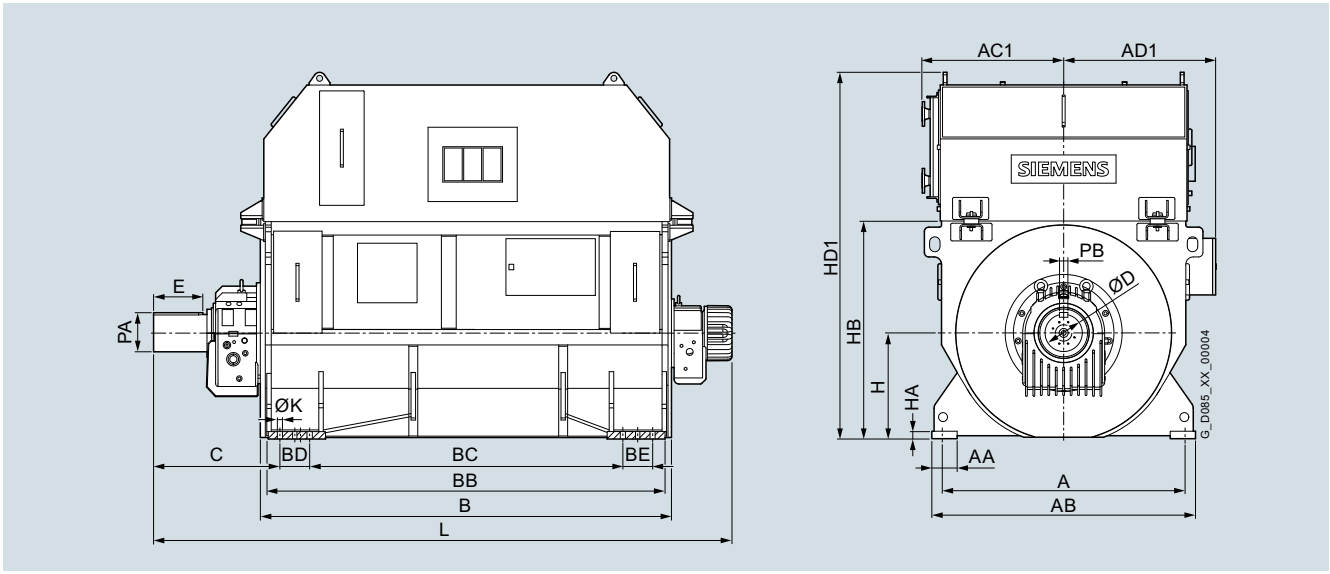




Article No.	Dimensions Ø D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC81W cooling method, Z ventilation, sleeve bearing													
6-pole, 3.3 kV, 50 Hz													
1DK1122-1DE06-0NA2	250	330	56	262	3505	2460	2370	1812	200	200	885	1770	1630
1DK1122-1KE06-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	935	1770	1630
1DK1122-1TE06-0NA2	280	380	63	292	4019	2924	2834	2276	200	200	935	1770	1630
1DK1122-1WE06-0NA2	280	380	63	292	4019	2924	2834	2276	200	200	935	1770	1630
1DK1142-1KE06-0NA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1PE06-0NA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1VE06-0NA2	340	450	80	355	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-2BE06-0NA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	Ø K mm	Weight kg
1DK1122-1DE06-0NA2	50	170	710	1460	2799	940	1020	39	14900
1DK1122-1KE06-0NA2	50	170	710	1460	2833	940	1020	39	16700
1DK1122-1TE06-0NA2	50	170	710	1460	2833	940	1020	39	18800
1DK1122-1WE06-0NA2	50	170	710	1460	2833	940	1020	39	19500
1DK1142-1KE06-0NA2	60	200	800	1630	1695	1050	1825	39	23000
1DK1142-1PE06-0NA2	60	200	800	1630	1834	1050	1825	39	24600
1DK1142-1VE06-0NA2	60	200	800	1630	1834	1050	1825	39	26200
1DK1142-2BE06-0NA2	60	200	800	1630	1834	1050	1825	39	27900

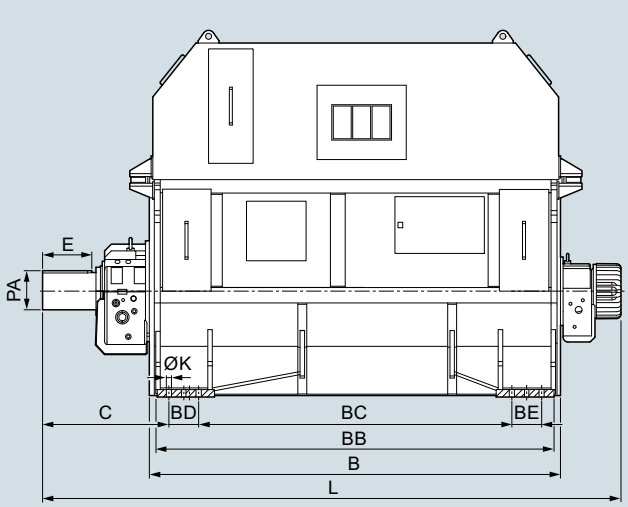
Dimensional drawings (continued)

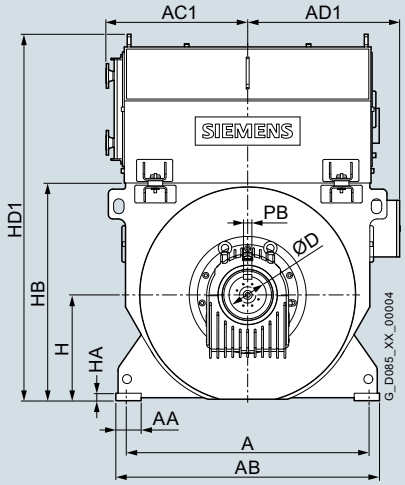


Article No.	Dimensions Ø D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC81W cooling method, Z ventilation, sleeve bearing													
6-pole, 4.16 kV, 60 Hz													
1DK1122-1DF06-0NA2	250	330	56	262	3505	2460	2370	1812	200	200	885	1770	1630
1DK1122-1KF06-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	935	1770	1630
1DK1122-1TF06-0NA2	280	380	63	292	4019	2924	2834	2276	200	200	935	1770	1630
1DK1142-1FF06-0NA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1KF06-0NA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1PF06-0NA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1VF06-0NA2	340	450	80	355	4119	2818	2723	1928	200	365	1135	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	Ø K mm	Weight kg
1DK1122-1DF06-0NA2	50	170	710	1460	2799	940	1020	39	15000
1DK1122-1KF06-0NA2	50	170	710	1460	2833	940	1020	39	17000
1DK1122-1TF06-0NA2	50	170	710	1460	2833	940	1020	39	19100
1DK1142-1FF06-0NA2	60	200	800	1630	1695	1050	1825	39	22000
1DK1142-1KF06-0NA2	60	200	800	1630	1695	1050	1825	39	23000
1DK1142-1PF06-0NA2	60	200	800	1630	1834	1050	1825	39	24700
1DK1142-1VF06-0NA2	60	200	800	1630	1834	1050	1825	39	26100

Dimensional drawings (continued)

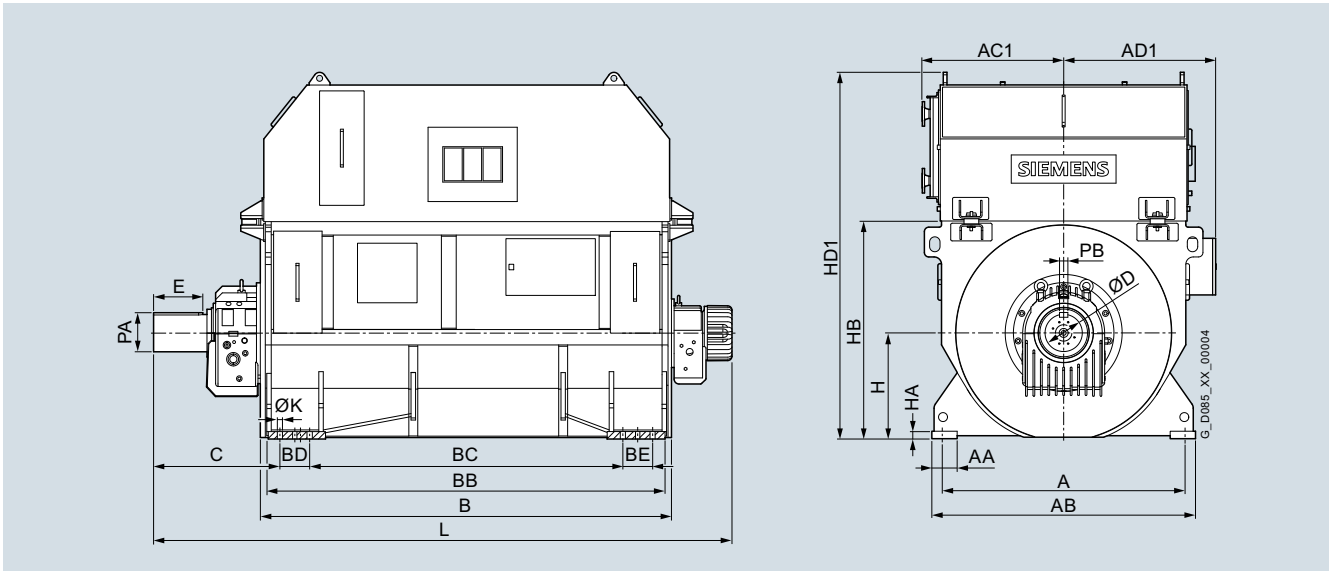




Article No.	Dimensions												
	∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC81W cooling method, Z ventilation, sleeve bearing													
6-pole, 6.3 kV, 50 Hz													
1DK1122-1DH06-0NA2	250	330	56	262	3505	2460	2370	1812	200	200	885	1770	1630
1DK1122-1KH06-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	935	1770	1630
1DK1122-1TH06-0NA2	280	380	63	292	4019	2924	2834	2276	200	200	935	1770	1630
1DK1122-1WH06-0NA2	280	380	63	292	4019	2924	2834	2276	200	200	935	1770	1630
1DK1142-1KH06-0NA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1PH06-0NA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1VH06-0NA2	340	450	80	355	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-2BH06-0NA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions								Weight
	HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	kg
1DK1122-1DH06-0NA2	50	170	710	1460	2799	940	1020	39	14900
1DK1122-1KH06-0NA2	50	170	710	1460	2833	940	1020	39	16700
1DK1122-1TH06-0NA2	50	170	710	1460	2833	940	1020	39	18800
1DK1122-1WH06-0NA2	50	170	710	1460	2833	940	1020	39	19500
1DK1142-1KH06-0NA2	60	200	800	1630	1695	1050	1825	39	23000
1DK1142-1PH06-0NA2	60	200	800	1630	1834	1050	1825	39	24600
1DK1142-1VH06-0NA2	60	200	800	1630	1834	1050	1825	39	26200
1DK1142-2BH06-0NA2	60	200	800	1630	1834	1050	1825	39	27900

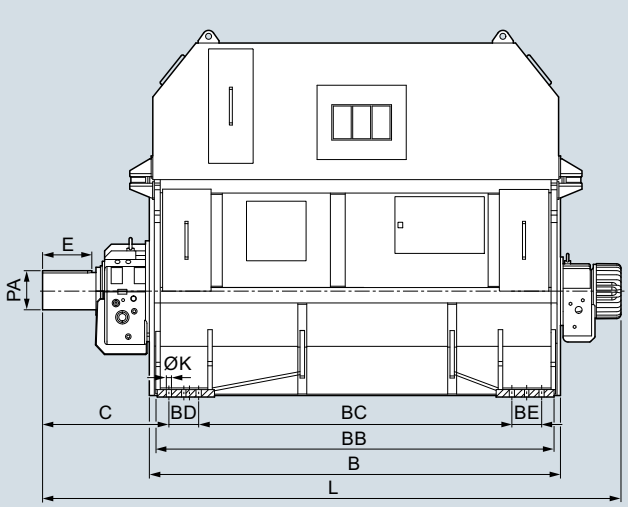
Dimensional drawings (continued)

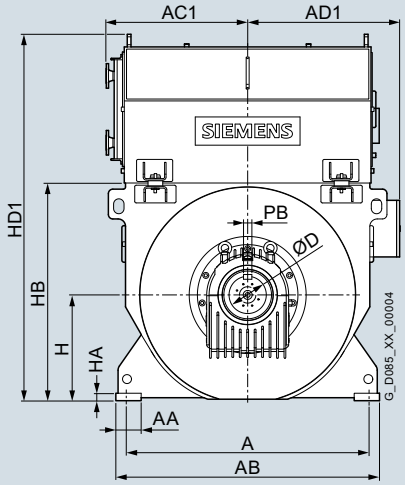


Article No.	Dimensions												
	∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC81W cooling method, Z ventilation, sleeve bearing													
6-pole, 6.6 kV, 60 Hz													
1DK1122-1DK06-0NA2	250	330	56	262	3505	2460	2370	1812	200	200	885	1770	1630
1DK1122-1KK06-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	935	1770	1630
1DK1122-1TK06-0NA2	280	380	63	292	4019	2924	2834	2276	200	200	935	1770	1630
1DK1142-1FK06-0NA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1KK06-0NA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1PK06-0NA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1VK06-0NA2	340	450	80	355	4119	2818	2723	1928	200	365	1135	1970	1830

Article No. (repeated)	Dimensions								Weight
	HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	kg
1DK1122-1DK06-0NA2	50	170	710	1460	2799	940	1020	39	15000
1DK1122-1KK06-0NA2	50	170	710	1460	2833	940	1020	39	17000
1DK1122-1TK06-0NA2	50	170	710	1460	2833	940	1020	39	19100
1DK1142-1FK06-0NA2	60	200	800	1630	1695	1050	1825	39	22000
1DK1142-1KK06-0NA2	60	200	800	1630	1695	1050	1825	39	23000
1DK1142-1PK06-0NA2	60	200	800	1630	1834	1050	1825	39	24700
1DK1142-1VK06-0NA2	60	200	800	1630	1834	1050	1825	39	26100

Dimensional drawings (continued)

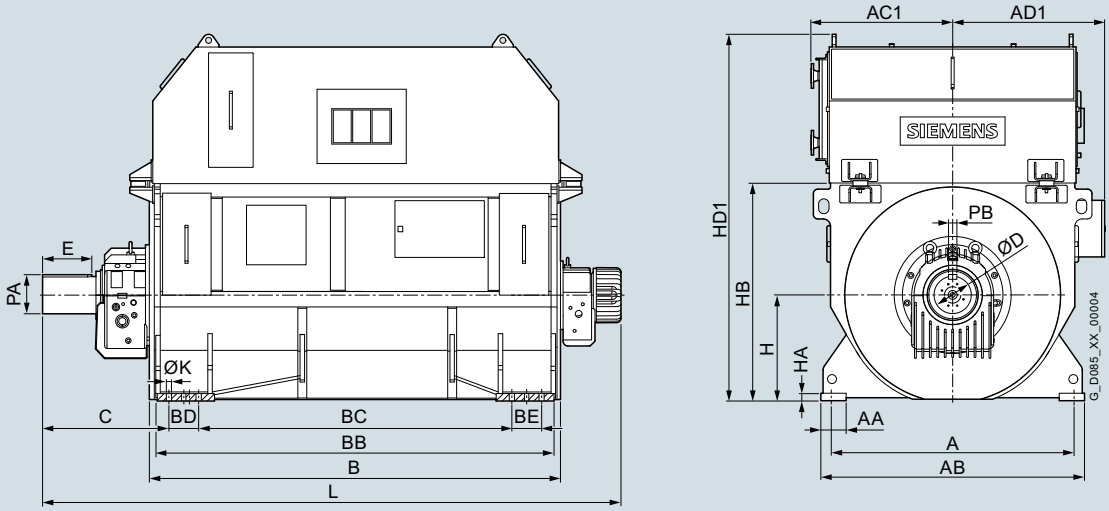




Article No.	Dimensions Ø D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC81W cooling method, Z ventilation, sleeve bearing													
6-pole, 11 kV, 50 Hz													
1DK1122-1DN06-0NA2	250	330	56	262	3505	2460	2370	1812	200	200	885	1770	1630
1DK1122-1KN06-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	935	1770	1630
1DK1122-1TN06-0NA2	280	380	63	292	4019	2924	2834	2276	200	200	935	1770	1630
1DK1122-1WN06-0NA2	280	380	63	292	4019	2924	2834	2276	200	200	935	1770	1630
1DK1142-1KN06-0NA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1PN06-0NA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1VN06-0NA2	340	450	80	355	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-2BN06-0NA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	Ø K mm	Weight kg
1DK1122-1DN06-0NA2	50	170	710	1460	2799	940	1020	39	14900
1DK1122-1KN06-0NA2	50	170	710	1460	2833	940	1020	39	16700
1DK1122-1TN06-0NA2	50	170	710	1460	2833	940	1020	39	18800
1DK1122-1WN06-0NA2	50	170	710	1460	2833	940	1020	39	19500
1DK1142-1KN06-0NA2	60	200	800	1630	1695	1050	1825	39	23000
1DK1142-1PN06-0NA2	60	200	800	1630	1834	1050	1825	39	24600
1DK1142-1VN06-0NA2	60	200	800	1630	1834	1050	1825	39	26200
1DK1142-2BN06-0NA2	60	200	800	1630	1834	1050	1825	39	27900

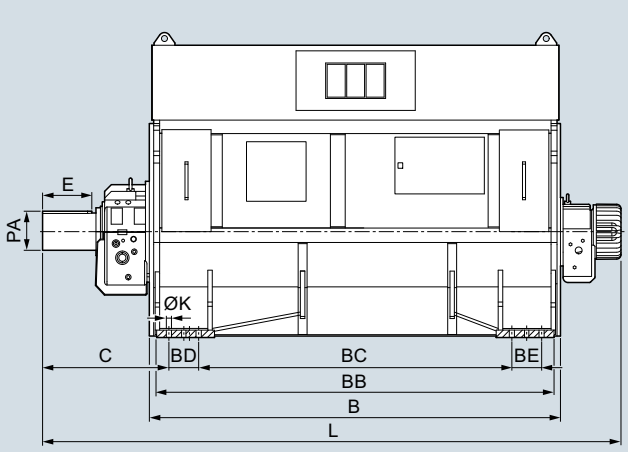
Dimensional drawings (continued)

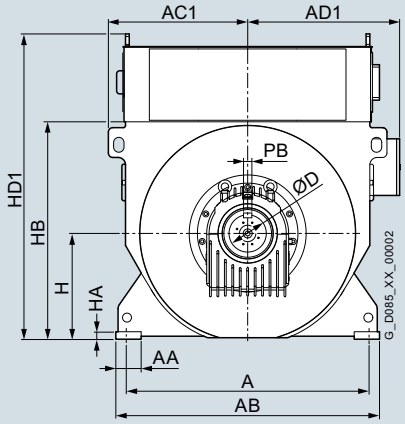


Article No.	Dimensions Ø D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC81W cooling method, Z ventilation, sleeve bearing													
6-pole, 13.8 kV, 60 Hz													
1DK1122-1DR06-0NA2	250	330	56	262	3505	2460	2370	1812	200	200	885	1770	1630
1DK1122-1KR06-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	935	1770	1630
1DK1122-1TR06-0NA2	280	380	63	292	4019	2924	2834	2276	200	200	935	1770	1630
1DK1142-1FR06-0NA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1KR06-0NA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1PR06-0NA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1VR06-0NA2	340	450	80	355	4119	2818	2723	1928	200	365	1135	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	Ø K mm	Weight kg
1DK1122-1DR06-0NA2	50	170	710	1460	2799	940	1020	39	15000
1DK1122-1KR06-0NA2	50	170	710	1460	2833	940	1020	39	17000
1DK1122-1TR06-0NA2	50	170	710	1460	2833	940	1020	39	19100
1DK1142-1FR06-0NA2	60	200	800	1630	1695	1050	1825	39	22000
1DK1142-1KR06-0NA2	60	200	800	1630	1695	1050	1825	39	23000
1DK1142-1PR06-0NA2	60	200	800	1630	1834	1050	1825	39	24700
1DK1142-1VR06-0NA2	60	200	800	1630	1834	1050	1825	39	26100

Dimensional drawings

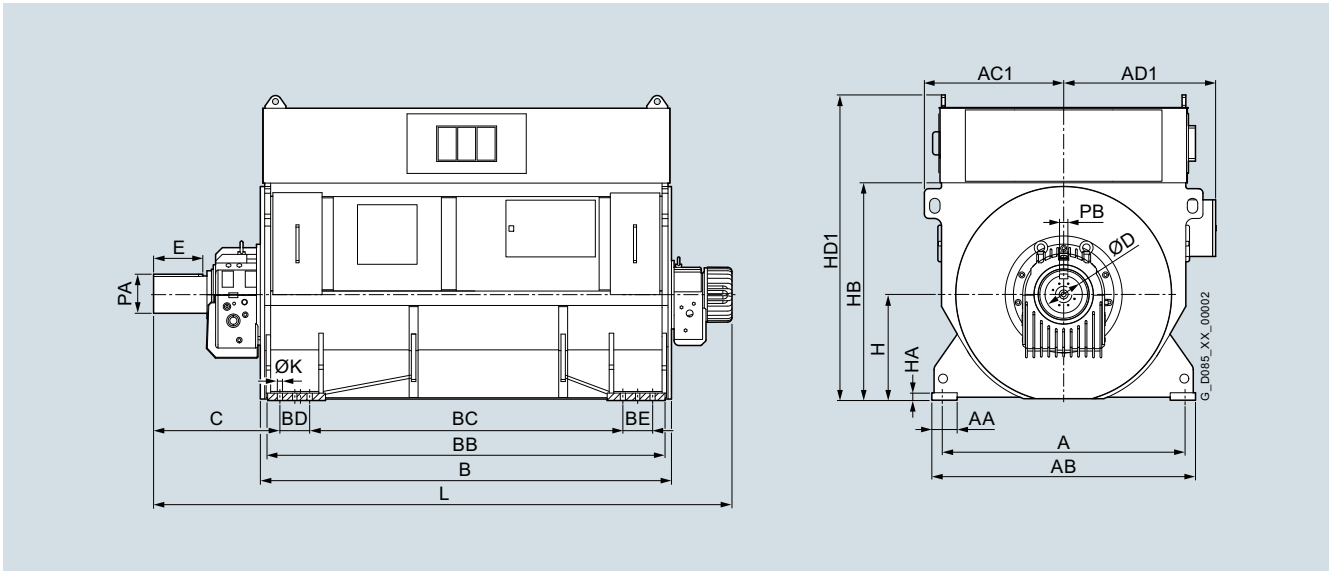




Article No.	Dimensions												
	∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC01 cooling method, Z ventilation, sleeve bearing													
8-pole, 3.3 kV, 50 Hz													
1DK1122-1FE08-0FA2	260	330	56	272	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1JE08-0FA2	270	380	63	282	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1PE08-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1VE08-0FA2	280	380	63	292	4019	2924	2834	2276	200	200	925	1770	1630
1DK1122-2CE08-0FA2	280	380	63	292	4019	2924	2834	2276	200	200	925	1770	1630
1DK1142-1JE08-0FA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1LE08-0FA2	330	450	70	344	3887	2586	2491	1696	200	365	1135	1970	1830
1DK1142-1PE08-0FA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1TE08-0FA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XE08-0FA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830
1DK1142-2EE08-0FA2	350	450	80	365	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions								Weight
	HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	kg
1DK1122-1FE08-0FA2	50	170	710	1460	2270	940	1020	39	14800
1DK1122-1JE08-0FA2	50	170	710	1460	2270	940	1020	39	15900
1DK1122-1PE08-0FA2	50	170	710	1460	2270	940	1020	39	16900
1DK1122-1VE08-0FA2	50	170	710	1460	2270	940	1020	39	18400
1DK1122-2CE08-0FA2	50	170	710	1460	2270	940	1020	39	19700
1DK1142-1JE08-0FA2	60	200	800	1630	2330	1050	1825	39	21700
1DK1142-1LE08-0FA2	60	200	800	1630	2330	1050	1825	39	22200
1DK1142-1PE08-0FA2	60	200	800	1630	2330	1050	1825	39	23400
1DK1142-1TE08-0FA2	60	200	800	1630	2330	1050	1825	39	24300
1DK1142-1XE08-0FA2	60	200	800	1630	2330	1050	1825	39	25700
1DK1142-2EE08-0FA2	60	200	800	1630	2330	1050	1825	39	27300

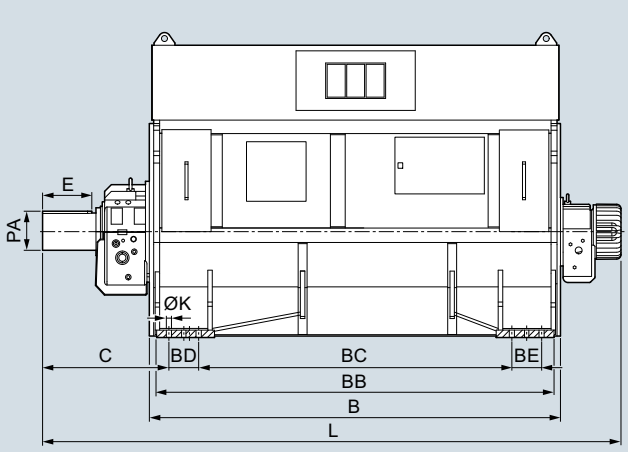
Dimensional drawings (continued)

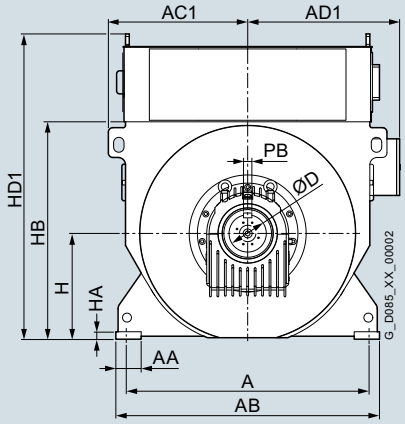


Article No.	Dimensions												
	Ø D	E	PB	PA	L	B	BB	BC	BD	BE	C	AB	A
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
IC01 cooling method, Z ventilation, sleeve bearing													
8-pole, 4.16 kV, 60 Hz													
1DK1122-1FF08-0FA2	260	330	56	272	3505	2460	2370	1812	200	200	885	1770	1630
1DK1122-1JF08-0FA2	270	380	63	282	3845	2750	2660	2102	200	200	935	1770	1630
1DK1122-1PF08-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	935	1770	1630
1DK1122-1VF08-0FA2	280	380	63	292	4019	2924	2834	2276	200	200	935	1770	1630
1DK1122-2CF08-0FA2	280	380	63	292	4019	2924	2834	2276	200	200	935	1770	1630
1DK1142-1JF08-0FA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1LF08-0FA2	330	450	70	344	3887	2586	2491	1696	200	365	1135	1970	1830
1DK1142-1PF08-0FA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1TF08-0FA2	340	450	80	355	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XF08-0FA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830
1DK1142-2EF08-0FA2	350	450	80	365	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions								Weight
	HA	AA	H	HB	HD_1	AC_1	AD_1	Ø K	
	mm	mm	mm	mm	mm	mm	mm	mm	kg
1DK1122-1FF08-0FA2	50	170	710	1460	2270	940	1020	39	14800
1DK1122-1JF08-0FA2	50	170	710	1460	2270	940	1020	39	15900
1DK1122-1PF08-0FA2	50	170	710	1460	2270	940	1020	39	16900
1DK1122-1VF08-0FA2	50	170	710	1460	2270	940	1020	39	18400
1DK1122-2CF08-0FA2	50	170	710	1460	2270	940	1020	39	19700
1DK1142-1JF08-0FA2	60	200	800	1630	2330	1050	1825	39	21600
1DK1142-1LF08-0FA2	60	200	800	1630	2330	1050	1825	39	22200
1DK1142-1PF08-0FA2	60	200	800	1630	2330	1050	1825	39	23300
1DK1142-1TF08-0FA2	60	200	800	1630	2330	1050	1825	39	24300
1DK1142-1XF08-0FA2	60	200	800	1630	2330	1050	1825	39	25800
1DK1142-2EF08-0FA2	60	200	800	1630	2330	1050	1825	39	27300

Dimensional drawings (continued)

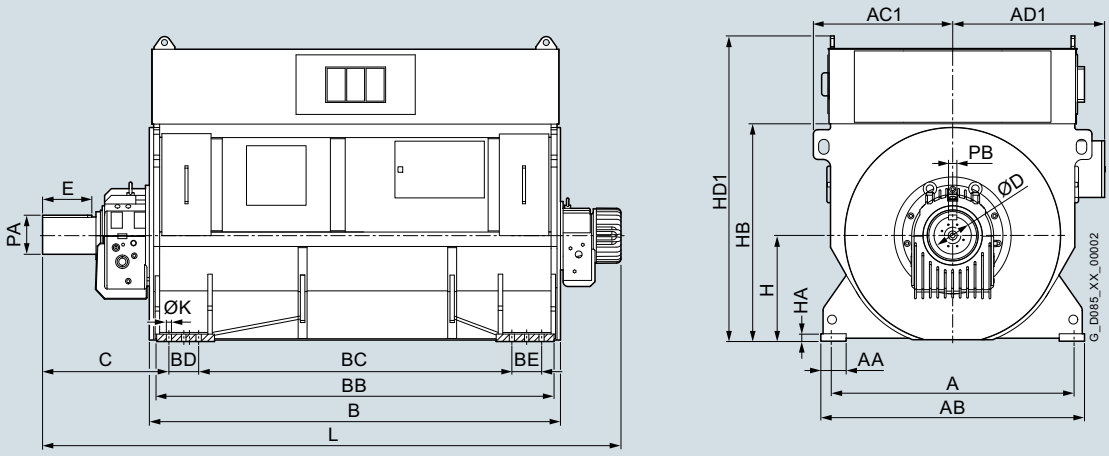




Article No.	Dimensions												
	Ø D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC01 cooling method, Z ventilation, sleeve bearing													
8-pole, 6.3 kV, 50 Hz													
1DK1122-1FH08-0FA2	260	330	56	272	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1JH08-0FA2	270	380	63	282	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1PH08-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1VH08-0FA2	280	380	63	292	4019	2924	2834	2276	200	200	925	1770	1630
1DK1122-2CH08-0FA2	280	380	63	292	4019	2924	2834	2276	200	200	925	1770	1630
1DK1142-1JH08-0FA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1LH08-0FA2	330	450	70	344	3887	2586	2491	1696	200	365	1135	1970	1830
1DK1142-1PH08-0FA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1TH08-0FA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XH08-0FA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830
1DK1142-2EH08-0FA2	350	450	80	365	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions								Weight
	HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	Ø K mm	kg
1DK1122-1FH08-0FA2	50	170	710	1460	2270	940	1020	39	14800
1DK1122-1JH08-0FA2	50	170	710	1460	2270	940	1020	39	15900
1DK1122-1PH08-0FA2	50	170	710	1460	2270	940	1020	39	16900
1DK1122-1VH08-0FA2	50	170	710	1460	2270	940	1020	39	18400
1DK1122-2CH08-0FA2	50	170	710	1460	2270	940	1020	39	19700
1DK1142-1JH08-0FA2	60	200	800	1630	2330	1050	1825	39	21700
1DK1142-1LH08-0FA2	60	200	800	1630	2330	1050	1825	39	22200
1DK1142-1PH08-0FA2	60	200	800	1630	2330	1050	1825	39	23400
1DK1142-1TH08-0FA2	60	200	800	1630	2330	1050	1825	39	24300
1DK1142-1XH08-0FA2	60	200	800	1630	2330	1050	1825	39	25700
1DK1142-2EH08-0FA2	60	200	800	1630	2330	1050	1825	39	27300

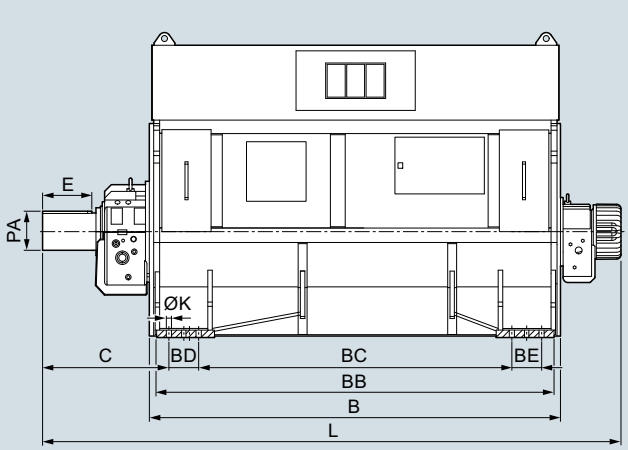
Dimensional drawings (continued)

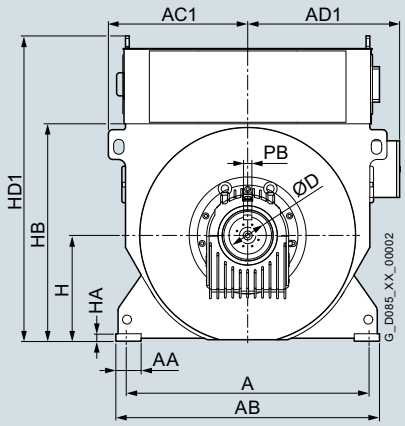


Article No.	Dimensions												
	Ø D	E	PB	PA	L	B	BB	BC	BD	BE	C	AB	A
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
IC01 cooling method, Z ventilation, sleeve bearing													
8-pole, 6.6 kV, 60 Hz													
1DK1122-1FK08-0FA2	260	330	56	272	3505	2460	2370	1812	200	200	885	1770	1630
1DK1122-1JK08-0FA2	270	380	63	282	3845	2750	2660	2102	200	200	935	1770	1630
1DK1122-1PK08-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	935	1770	1630
1DK1122-1VK08-0FA2	280	380	63	292	4019	2924	2834	2276	200	200	935	1770	1630
1DK1122-2CK08-0FA2	280	380	63	292	4019	2924	2834	2276	200	200	935	1770	1630
1DK1142-1JK08-0FA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1LK08-0FA2	330	450	70	344	3887	2586	2491	1696	200	365	1135	1970	1830
1DK1142-1PK08-0FA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1TK08-0FA2	340	450	80	355	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XK08-0FA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830
1DK1142-2EK08-0FA2	350	450	80	365	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions								Weight
	HA	AA	H	HB	HD_1	AC_1	AD_1	Ø K	
	mm	mm	mm	mm	mm	mm	mm	mm	kg
1DK1122-1FK08-0FA2	50	170	710	1460	2270	940	1020	39	14800
1DK1122-1JK08-0FA2	50	170	710	1460	2270	940	1020	39	15900
1DK1122-1PK08-0FA2	50	170	710	1460	2270	940	1020	39	16900
1DK1122-1VK08-0FA2	50	170	710	1460	2270	940	1020	39	18400
1DK1122-2CK08-0FA2	50	170	710	1460	2270	940	1020	39	19700
1DK1142-1JK08-0FA2	60	200	800	1630	2330	1050	1825	39	21600
1DK1142-1LK08-0FA2	60	200	800	1630	2330	1050	1825	39	22200
1DK1142-1PK08-0FA2	60	200	800	1630	2330	1050	1825	39	23300
1DK1142-1TK08-0FA2	60	200	800	1630	2330	1050	1825	39	24300
1DK1142-1XK08-0FA2	60	200	800	1630	2330	1050	1825	39	25800
1DK1142-2EK08-0FA2	60	200	800	1630	2330	1050	1825	39	27300

Dimensional drawings (continued)

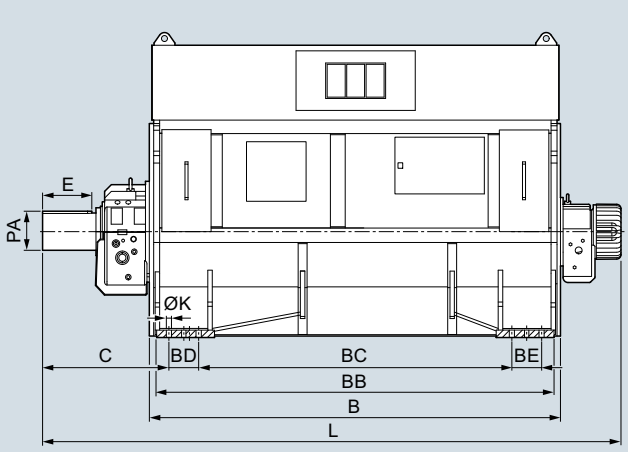


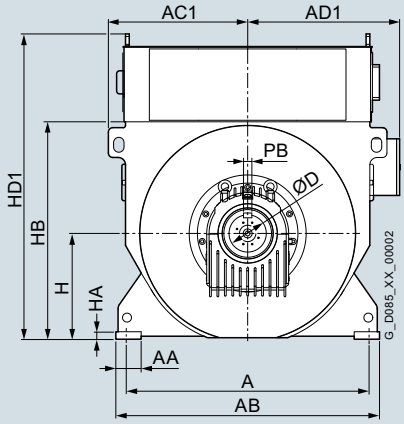


Article No.	Dimensions												
	∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC01 cooling method, Z ventilation, sleeve bearing													
8-pole, 11 kV, 50 Hz													
1DK1122-1FN08-0FA2	260	330	56	272	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1JN08-0FA2	270	380	63	282	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1PN08-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1VN08-0FA2	280	380	63	292	4019	2924	2834	2276	200	200	925	1770	1630
1DK1122-2CN08-0FA2	280	380	63	292	4019	2924	2834	2276	200	200	925	1770	1630
1DK1142-1JN08-0FA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1LN08-0FA2	330	450	70	344	3887	2586	2491	1696	200	365	1135	1970	1830
1DK1142-1PN08-0FA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1TN08-0FA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XN08-0FA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830
1DK1142-2EN08-0FA2	350	450	80	365	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions								Weight
	HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	kg
1DK1122-1FN08-0FA2	50	170	710	1460	2270	940	1020	39	14800
1DK1122-1JN08-0FA2	50	170	710	1460	2270	940	1020	39	15900
1DK1122-1PN08-0FA2	50	170	710	1460	2270	940	1020	39	16900
1DK1122-1VN08-0FA2	50	170	710	1460	2270	940	1020	39	18400
1DK1122-2CN08-0FA2	50	170	710	1460	2270	940	1020	39	19700
1DK1142-1JN08-0FA2	60	200	800	1630	2330	1050	1825	39	21700
1DK1142-1LN08-0FA2	60	200	800	1630	2330	1050	1825	39	22200
1DK1142-1PN08-0FA2	60	200	800	1630	2330	1050	1825	39	23400
1DK1142-1TN08-0FA2	60	200	800	1630	2330	1050	1825	39	24300
1DK1142-1XN08-0FA2	60	200	800	1630	2330	1050	1825	39	25700
1DK1142-2EN08-0FA2	60	200	800	1630	2330	1050	1825	39	27300

Dimensional drawings (continued)

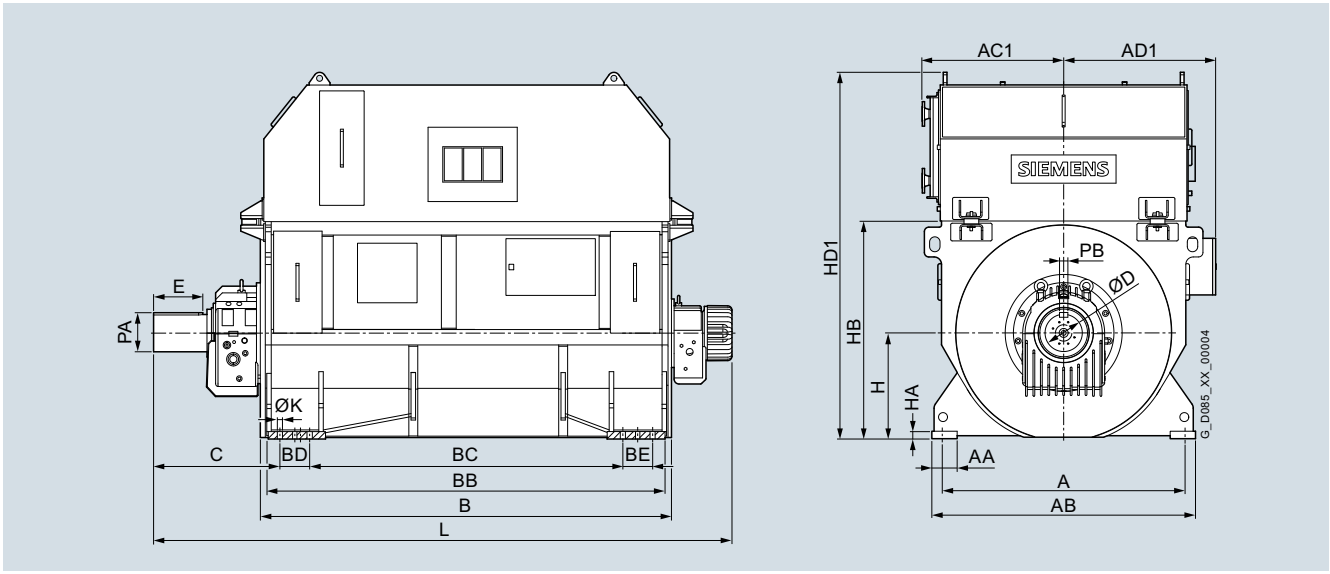




Article No.	Dimensions												
	Ø D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC01 cooling method, Z ventilation, sleeve bearing													
8-pole, 13.8 kV, 60 Hz													
1DK1122-1FR08-0FA2	260	330	56	272	3505	2460	2370	1812	200	200	885	1770	1630
1DK1122-1JR08-0FA2	270	380	63	282	3845	2750	2660	2102	200	200	935	1770	1630
1DK1122-1PR08-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	935	1770	1630
1DK1122-1VR08-0FA2	280	380	63	292	4019	2924	2834	2276	200	200	935	1770	1630
1DK1122-2CR08-0FA2	280	380	63	292	4019	2924	2834	2276	200	200	935	1770	1630
1DK1142-1JR08-0FA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1LR08-0FA2	330	450	70	344	3887	2586	2491	1696	200	365	1135	1970	1830
1DK1142-1PR08-0FA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1TR08-0FA2	340	450	80	355	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XR08-0FA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830
1DK1142-2ER08-0FA2	350	450	80	365	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions								Weight
	HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	Ø K mm	kg
1DK1122-1FR08-0FA2	50	170	710	1460	2270	940	1020	39	14800
1DK1122-1JR08-0FA2	50	170	710	1460	2270	940	1020	39	15900
1DK1122-1PR08-0FA2	50	170	710	1460	2270	940	1020	39	16900
1DK1122-1VR08-0FA2	50	170	710	1460	2270	940	1020	39	18400
1DK1122-2CR08-0FA2	50	170	710	1460	2270	940	1020	39	19700
1DK1142-1JR08-0FA2	60	200	800	1630	2330	1050	1825	39	21600
1DK1142-1LR08-0FA2	60	200	800	1630	2330	1050	1825	39	22200
1DK1142-1PR08-0FA2	60	200	800	1630	2330	1050	1825	39	23300
1DK1142-1TR08-0FA2	60	200	800	1630	2330	1050	1825	39	24300
1DK1142-1XR08-0FA2	60	200	800	1630	2330	1050	1825	39	25800
1DK1142-2ER08-0FA2	60	200	800	1630	2330	1050	1825	39	27300

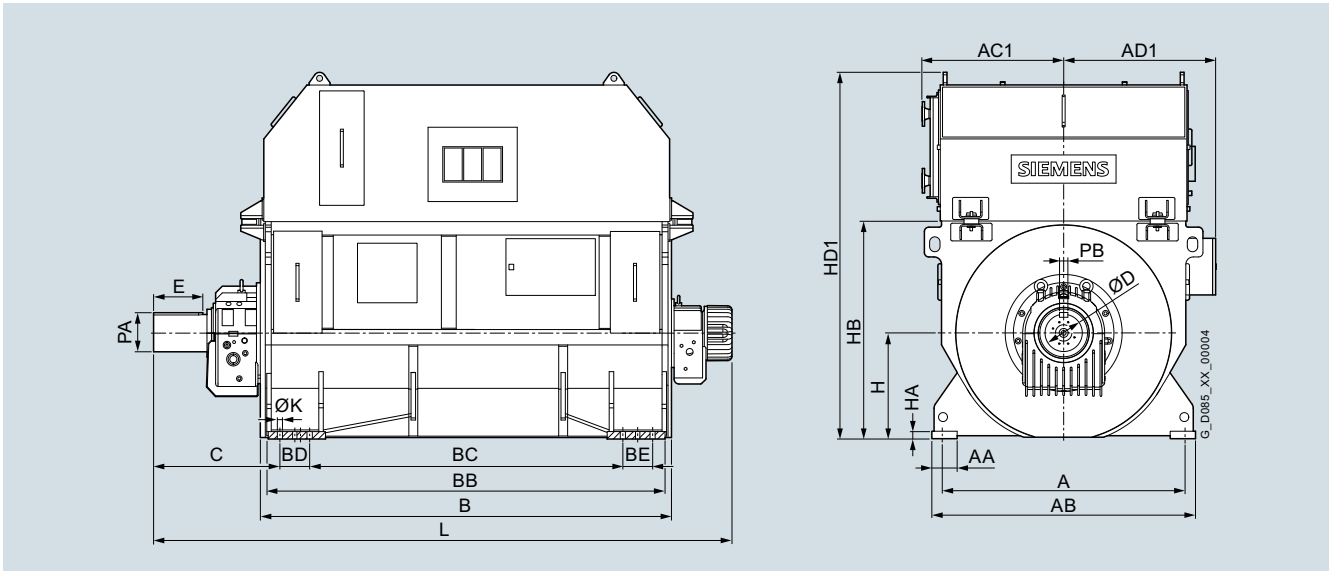
Dimensional drawings



Article No.	Dimensions Ø D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC81W cooling method, Z ventilation, sleeve bearing													
8-pole, 3.3 kV, 50 Hz													
1DK1122-1FE08-0NA2	260	330	56	272	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1JE08-0NA2	270	380	63	282	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1PE08-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1VE08-0NA2	280	380	63	292	4019	2924	2834	2276	200	200	925	1770	1630
1DK1122-2CE08-0NA2	280	380	63	292	4019	2924	2834	2276	200	200	925	1770	1630
1DK1142-1JE08-0NA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1LE08-0NA2	330	450	70	344	3887	2586	2491	1696	200	365	1135	1970	1830
1DK1142-1PE08-0NA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1TE08-0NA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XE08-0NA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830
1DK1142-2EE08-0NA2	350	450	80	365	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	Ø K mm	Weight kg
1DK1122-1FE08-0NA2	50	170	710	1460	2425	940	1020	39	15000
1DK1122-1JE08-0NA2	50	170	710	1460	2561	940	1020	39	16300
1DK1122-1PE08-0NA2	50	170	710	1460	2561	940	1020	39	17400
1DK1122-1VE08-0NA2	50	170	710	1460	2561	940	1020	39	19000
1DK1122-2CE08-0NA2	50	170	710	1460	2561	940	1020	39	20400
1DK1142-1JE08-0NA2	60	200	800	1630	1525	1050	1825	39	22500
1DK1142-1LE08-0NA2	60	200	800	1630	1695	1050	1825	39	23000
1DK1142-1PE08-0NA2	60	200	800	1630	1834	1050	1825	39	24400
1DK1142-1TE08-0NA2	60	200	800	1630	1834	1050	1825	39	25400
1DK1142-1XE08-0NA2	60	200	800	1630	1834	1050	1825	39	26800
1DK1142-2EE08-0NA2	60	200	800	1630	1834	1050	1825	39	28400

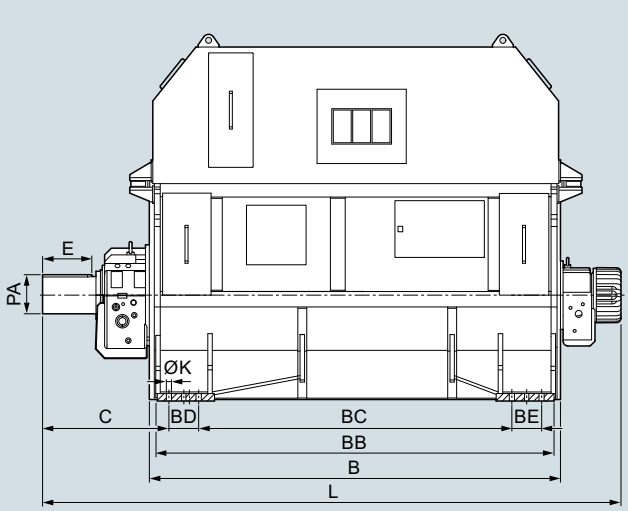
Dimensional drawings (continued)

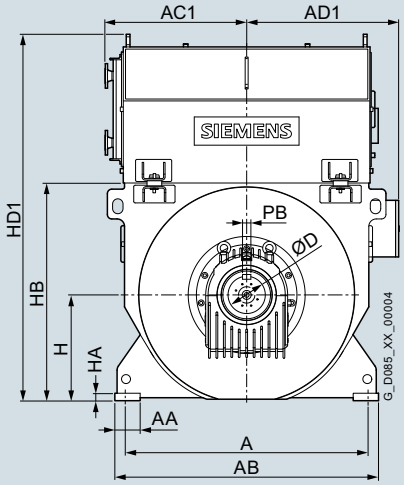


Article No.	Dimensions												
	Ø D	E	PB	PA	L	B	BB	BC	BD	BE	C	AB	A
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
IC81W cooling method, Z ventilation, sleeve bearing													
8-pole, 4.16 kV, 60 Hz													
1DK1122-1FF08-0NA2	260	330	56	272	3505	2460	2370	1812	200	200	885	1770	1630
1DK1122-1JF08-0NA2	270	380	63	282	3845	2750	2660	2102	200	200	935	1770	1630
1DK1122-1PF08-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	935	1770	1630
1DK1122-1VF08-0NA2	280	380	63	292	4019	2924	2834	2276	200	200	935	1770	1630
1DK1122-2CF08-0NA2	280	380	63	292	4019	2924	2834	2276	200	200	935	1770	1630
1DK1142-1JF08-0NA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1LF08-0NA2	330	450	70	344	3887	2586	2491	1696	200	365	1135	1970	1830
1DK1142-1PF08-0NA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1TF08-0NA2	340	450	80	355	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XF08-0NA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830
1DK1142-2EF08-0NA2	350	450	80	365	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions								Weight
	HA	AA	H	HB	HD_1	AC_1	AD_1	Ø K	
	mm	mm	mm	mm	mm	mm	mm	mm	kg
1DK1122-1FF08-0NA2	50	170	710	1460	2425	940	1020	39	15100
1DK1122-1JF08-0NA2	50	170	710	1460	2561	940	1020	39	16500
1DK1122-1PF08-0NA2	50	170	710	1460	2561	940	1020	39	17500
1DK1122-1VF08-0NA2	50	170	710	1460	2833	940	1020	39	19200
1DK1122-2CF08-0NA2	50	170	710	1460	2833	940	1020	39	20500
1DK1142-1JF08-0NA2	60	200	800	1630	1695	1050	1825	39	22500
1DK1142-1LF08-0NA2	60	200	800	1630	1695	1050	1825	39	23100
1DK1142-1PF08-0NA2	60	200	800	1630	1834	1050	1825	39	24400
1DK1142-1TF08-0NA2	60	200	800	1630	1834	1050	1825	39	25400
1DK1142-1XF08-0NA2	60	200	800	1630	1834	1050	1825	39	26900
1DK1142-2EF08-0NA2	60	200	800	1630	1834	1050	1825	39	28400

Dimensional drawings (continued)

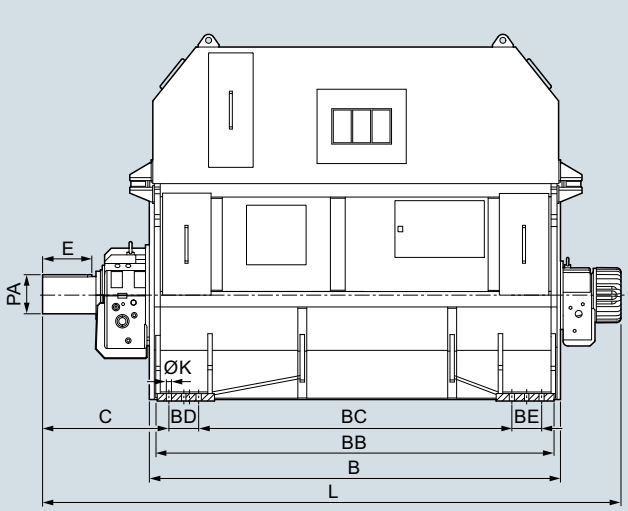


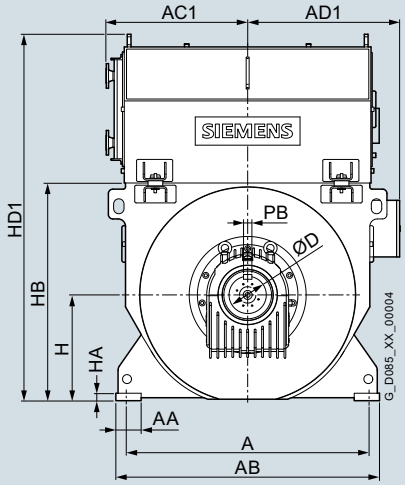


Article No.	Dimensions Ø D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC81W cooling method, Z ventilation, sleeve bearing													
8-pole, 6.3 kV, 50 Hz													
1DK1122-1FH08-0NA2	260	330	56	272	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1JH08-0NA2	270	380	63	282	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1PH08-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1VH08-0NA2	280	380	63	292	4019	2924	2834	2276	200	200	925	1770	1630
1DK1122-2CH08-0NA2	280	380	63	292	4019	2924	2834	2276	200	200	925	1770	1630
1DK1142-1JH08-0NA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1LH08-0NA2	330	450	70	344	3887	2586	2491	1696	200	365	1135	1970	1830
1DK1142-1PH08-0NA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1TH08-0NA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XH08-0NA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830
1DK1142-2EH08-0NA2	350	450	80	365	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	Ø K mm	Weight kg
1DK1122-1FH08-0NA2	50	170	710	1460	2425	940	1020	39	15000
1DK1122-1JH08-0NA2	50	170	710	1460	2561	940	1020	39	16300
1DK1122-1PH08-0NA2	50	170	710	1460	2561	940	1020	39	17400
1DK1122-1VH08-0NA2	50	170	710	1460	2561	940	1020	39	19000
1DK1122-2CH08-0NA2	50	170	710	1460	2561	940	1020	39	20400
1DK1142-1JH08-0NA2	60	200	800	1630	1525	1050	1825	39	22500
1DK1142-1LH08-0NA2	60	200	800	1630	1695	1050	1825	39	23000
1DK1142-1PH08-0NA2	60	200	800	1630	1834	1050	1825	39	24400
1DK1142-1TH08-0NA2	60	200	800	1630	1834	1050	1825	39	25400
1DK1142-1XH08-0NA2	60	200	800	1630	1834	1050	1825	39	26800
1DK1142-2EH08-0NA2	60	200	800	1630	1834	1050	1825	39	28400

Dimensional drawings (continued)

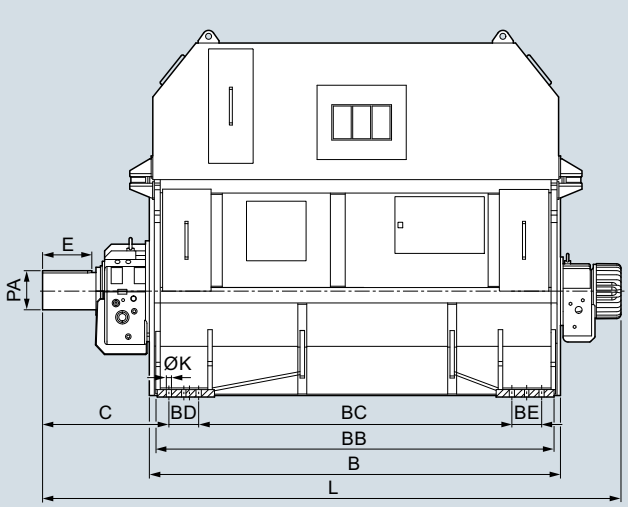


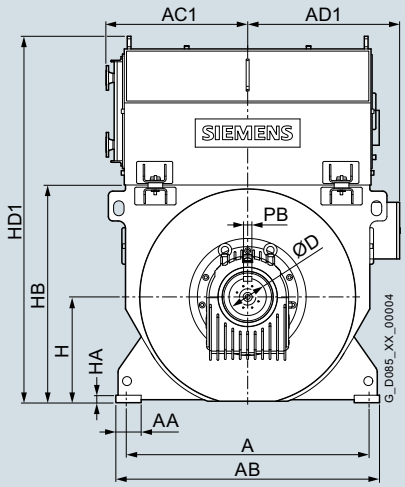


Article No.	Dimensions Ø D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC81W cooling method, Z ventilation, sleeve bearing													
8-pole, 6.6 kV, 60 Hz													
1DK1122-1FK08-0NA2	260	330	56	272	3505	2460	2370	1812	200	200	885	1770	1630
1DK1122-1JK08-0NA2	270	380	63	282	3845	2750	2660	2102	200	200	935	1770	1630
1DK1122-1PK08-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	935	1770	1630
1DK1122-1VK08-0NA2	280	380	63	292	4019	2924	2834	2276	200	200	935	1770	1630
1DK1122-2CK08-0NA2	280	380	63	292	4019	2924	2834	2276	200	200	935	1770	1630
1DK1142-1JK08-0NA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1LK08-0NA2	330	450	70	344	3887	2586	2491	1696	200	365	1135	1970	1830
1DK1142-1PK08-0NA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1TK08-0NA2	340	450	80	355	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XK08-0NA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830
1DK1142-2EK08-0NA2	350	450	80	365	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	Ø K mm	Weight kg
1DK1122-1FK08-0NA2	50	170	710	1460	2425	940	1020	39	15100
1DK1122-1JK08-0NA2	50	170	710	1460	2561	940	1020	39	16500
1DK1122-1PK08-0NA2	50	170	710	1460	2561	940	1020	39	17500
1DK1122-1VK08-0NA2	50	170	710	1460	2833	940	1020	39	19200
1DK1122-2CK08-0NA2	50	170	710	1460	2833	940	1020	39	20500
1DK1142-1JK08-0NA2	60	200	800	1630	1695	1050	1825	39	22500
1DK1142-1LK08-0NA2	60	200	800	1630	1695	1050	1825	39	23100
1DK1142-1PK08-0NA2	60	200	800	1630	1834	1050	1825	39	24400
1DK1142-1TK08-0NA2	60	200	800	1630	1834	1050	1825	39	25400
1DK1142-1XK08-0NA2	60	200	800	1630	1834	1050	1825	39	26900
1DK1142-2EK08-0NA2	60	200	800	1630	1834	1050	1825	39	28400

Dimensional drawings (continued)

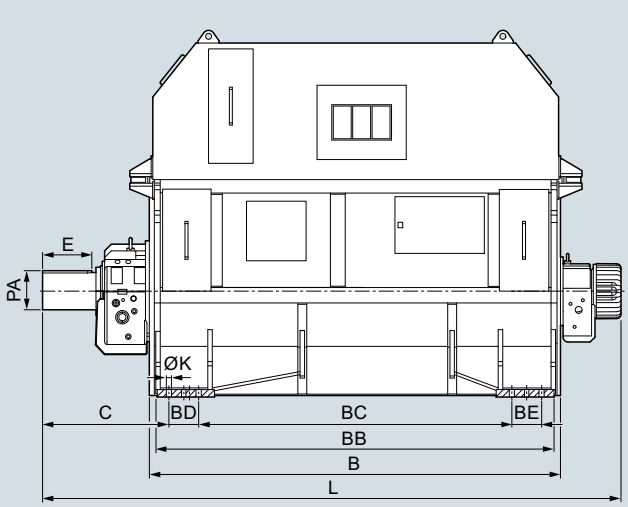


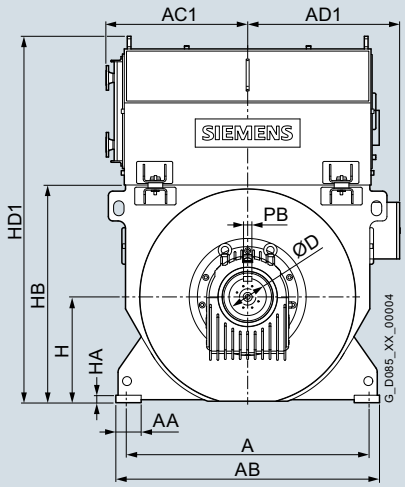


Article No.	Dimensions Ø D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC81W cooling method, Z ventilation, sleeve bearing													
8-pole, 11 kV, 50 Hz													
1DK1122-1FN08-0NA2	260	330	56	272	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1JN08-0NA2	270	380	63	282	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1PN08-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1VN08-0NA2	280	380	63	292	4019	2924	2834	2276	200	200	925	1770	1630
1DK1122-2CN08-0NA2	280	380	63	292	4019	2924	2834	2276	200	200	925	1770	1630
1DK1142-1JN08-0NA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1LN08-0NA2	330	450	70	344	3887	2586	2491	1696	200	365	1135	1970	1830
1DK1142-1PN08-0NA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1TN08-0NA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XN08-0NA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830
1DK1142-2EN08-0NA2	350	450	80	365	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	Ø K mm	Weight kg
1DK1122-1FN08-0NA2	50	170	710	1460	2425	940	1020	39	15000
1DK1122-1JN08-0NA2	50	170	710	1460	2561	940	1020	39	16300
1DK1122-1PN08-0NA2	50	170	710	1460	2561	940	1020	39	17400
1DK1122-1VN08-0NA2	50	170	710	1460	2561	940	1020	39	19000
1DK1122-2CN08-0NA2	50	170	710	1460	2561	940	1020	39	20400
1DK1142-1JN08-0NA2	60	200	800	1630	1525	1050	1825	39	22500
1DK1142-1LN08-0NA2	60	200	800	1630	1695	1050	1825	39	23000
1DK1142-1PN08-0NA2	60	200	800	1630	1834	1050	1825	39	24400
1DK1142-1TN08-0NA2	60	200	800	1630	1834	1050	1825	39	25400
1DK1142-1XN08-0NA2	60	200	800	1630	1834	1050	1825	39	26800
1DK1142-2EN08-0NA2	60	200	800	1630	1834	1050	1825	39	28400

Dimensional drawings (continued)

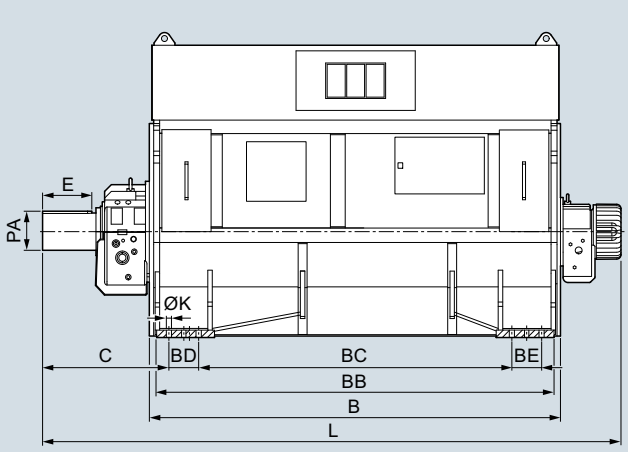


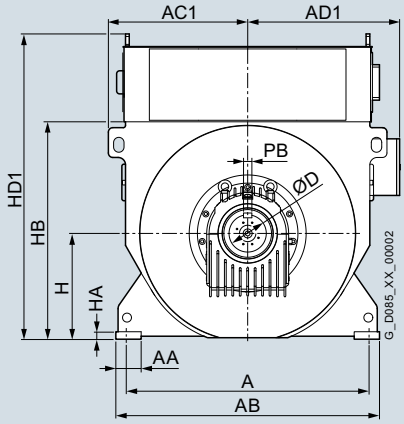


Article No.	Dimensions Ø D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC81W cooling method, Z ventilation, sleeve bearing													
8-pole, 13.8 kV, 60 Hz													
1DK1122-1FR08-0NA2	260	330	56	272	3505	2460	2370	1812	200	200	885	1770	1630
1DK1122-1JR08-0NA2	270	380	63	282	3845	2750	2660	2102	200	200	935	1770	1630
1DK1122-1PR08-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	935	1770	1630
1DK1122-1VR08-0NA2	280	380	63	292	4019	2924	2834	2276	200	200	935	1770	1630
1DK1122-2CR08-0NA2	280	380	63	292	4019	2924	2834	2276	200	200	935	1770	1630
1DK1142-1JR08-0NA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1LR08-0NA2	330	450	70	344	3887	2586	2491	1696	200	365	1135	1970	1830
1DK1142-1PR08-0NA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1TR08-0NA2	340	450	80	355	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XR08-0NA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830
1DK1142-2ER08-0NA2	350	450	80	365	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	Ø K mm	Weight kg
1DK1122-1FR08-0NA2	50	170	710	1460	2425	940	1020	39	15100
1DK1122-1JR08-0NA2	50	170	710	1460	2561	940	1020	39	16500
1DK1122-1PR08-0NA2	50	170	710	1460	2561	940	1020	39	17500
1DK1122-1VR08-0NA2	50	170	710	1460	2833	940	1020	39	19200
1DK1122-2CR08-0NA2	50	170	710	1460	2833	940	1020	39	20500
1DK1142-1JR08-0NA2	60	200	800	1630	1695	1050	1825	39	22500
1DK1142-1LR08-0NA2	60	200	800	1630	1695	1050	1825	39	23100
1DK1142-1PR08-0NA2	60	200	800	1630	1834	1050	1825	39	24400
1DK1142-1TR08-0NA2	60	200	800	1630	1834	1050	1825	39	25400
1DK1142-1XR08-0NA2	60	200	800	1630	1834	1050	1825	39	26900
1DK1142-2ER08-0NA2	60	200	800	1630	1834	1050	1825	39	28400

Dimensional drawings

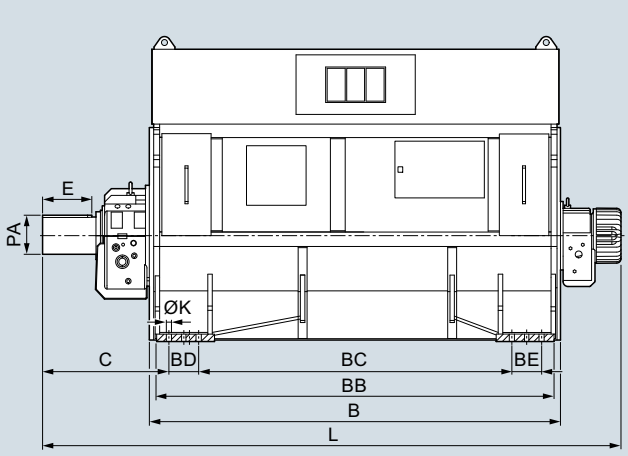


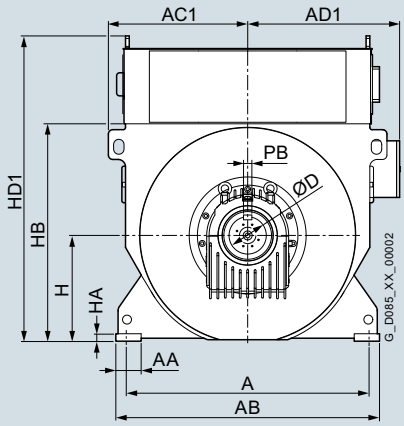


Article No.	Dimensions Ø D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC01 cooling method, Z ventilation, sleeve bearing													
10-pole, 3.3 kV, 50 Hz													
1DK1122-1JE10-0FA2	260	330	56	272	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1ME10-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1SE10-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1YE10-0FA2	280	380	63	292	4019	2924	2834	2276	200	200	925	1770	1630
1DK1142-1LE10-0FA2	310	380	70	324	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1TE10-0FA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XE10-0FA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830
1DK1142-2EE10-0FA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	Ø K mm	Weight kg
1DK1122-1JE10-0FA2	50	170	710	1460	2270	940	1020	39	15800
1DK1122-1ME10-0FA2	50	170	710	1460	2270	940	1020	39	16500
1DK1122-1SE10-0FA2	50	170	710	1460	2270	940	1020	39	17600
1DK1122-1YE10-0FA2	50	170	710	1460	2270	940	1020	39	19200
1DK1142-1LE10-0FA2	60	200	800	1630	2330	1050	1825	39	22400
1DK1142-1TE10-0FA2	60	200	800	1630	2330	1050	1825	39	24400
1DK1142-1XE10-0FA2	60	200	800	1630	2330	1050	1825	39	26100
1DK1142-2EE10-0FA2	60	200	800	1630	2330	1050	1825	39	27500

Dimensional drawings (continued)

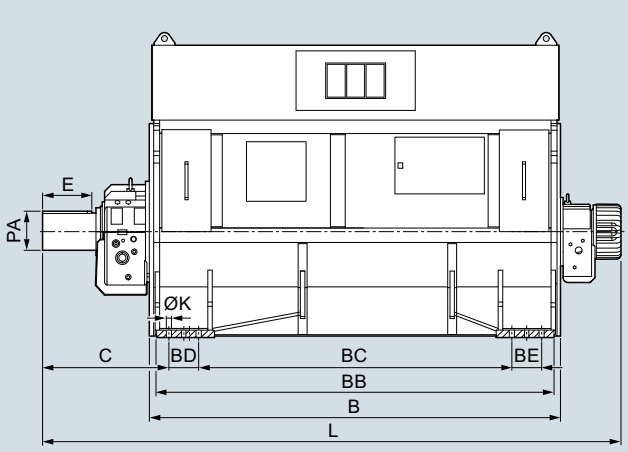


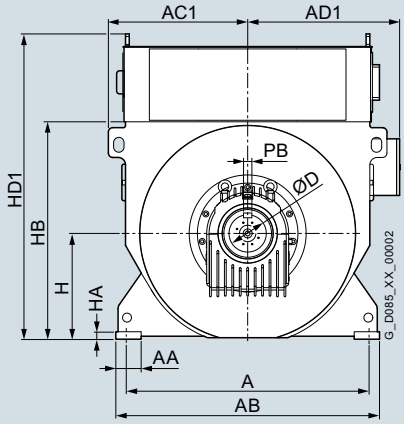


Article No.	Dimensions												
	∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC01 cooling method, Z ventilation, sleeve bearing													
10-pole, 4.16 kV, 60 Hz													
1DK1122-1JF10-0FA2	260	330	56	272	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1MF10-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1SF10-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1YF10-0FA2	280	380	63	292	4019	2924	2834	2276	200	200	925	1770	1630
1DK1142-1GF10-0FA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1LF10-0FA2	330	450	70	344	3887	2586	2491	1696	200	365	1135	1970	1830
1DK1142-1TF10-0FA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XF10-0FA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830
1DK1142-2EF10-0FA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions								Weight
	HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	kg
1DK1122-1JF10-0FA2	50	170	710	1460	2270	940	1020	39	15800
1DK1122-1MF10-0FA2	50	170	710	1460	2270	940	1020	39	16600
1DK1122-1SF10-0FA2	50	170	710	1460	2270	940	1020	39	17600
1DK1122-1YF10-0FA2	50	170	710	1460	2270	940	1020	39	19200
1DK1142-1GF10-0FA2	60	200	800	1630	2330	1050	1825	39	21400
1DK1142-1LF10-0FA2	60	200	800	1630	2330	1050	1825	39	22400
1DK1142-1TF10-0FA2	60	200	800	1630	2330	1050	1825	39	24600
1DK1142-1XF10-0FA2	60	200	800	1630	2330	1050	1825	39	25900
1DK1142-2EF10-0FA2	60	200	800	1630	2330	1050	1825	39	27500

Dimensional drawings (continued)

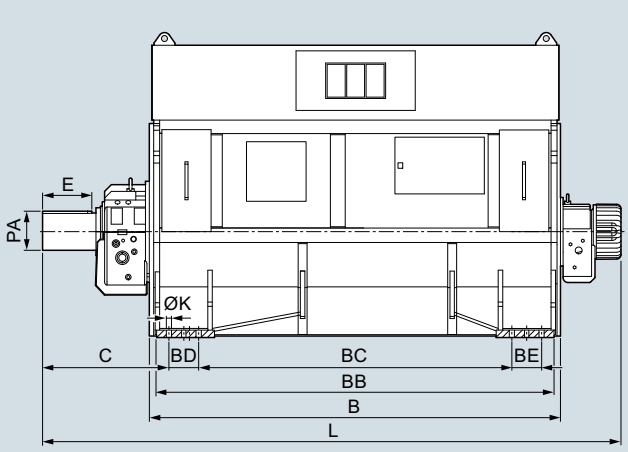


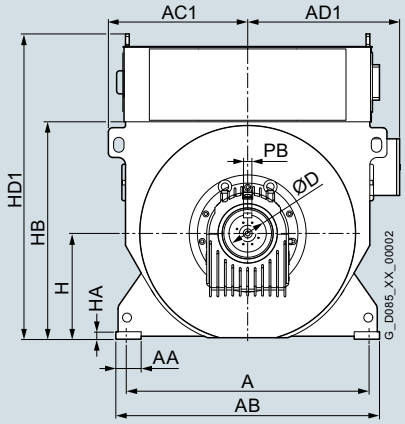


Article No.	Dimensions ∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC01 cooling method, Z ventilation, sleeve bearing													
10-pole, 6.3 kV, 50 Hz													
1DK1122-1JH10-0FA2	260	330	56	272	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1MH10-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1SH10-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1YH10-0FA2	280	380	63	292	4019	2924	2834	2276	200	200	925	1770	1630
1DK1142-1GH10-0FA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1LH10-0FA2	310	380	70	324	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1TH10-0FA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XH10-0FA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830
1DK1142-2EH10-0FA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	Weight kg
1DK1122-1JH10-0FA2	50	170	710	1460	2270	940	1020	39	15800
1DK1122-1MH10-0FA2	50	170	710	1460	2270	940	1020	39	16500
1DK1122-1SH10-0FA2	50	170	710	1460	2270	940	1020	39	17600
1DK1122-1YH10-0FA2	50	170	710	1460	2270	940	1020	39	19200
1DK1142-1GH10-0FA2	60	200	800	1630	2330	1050	1825	39	21200
1DK1142-1LH10-0FA2	60	200	800	1630	2330	1050	1825	39	22400
1DK1142-1TH10-0FA2	60	200	800	1630	2330	1050	1825	39	24400
1DK1142-1XH10-0FA2	60	200	800	1630	2330	1050	1825	39	26100
1DK1142-2EH10-0FA2	60	200	800	1630	2330	1050	1825	39	27500

Dimensional drawings (continued)

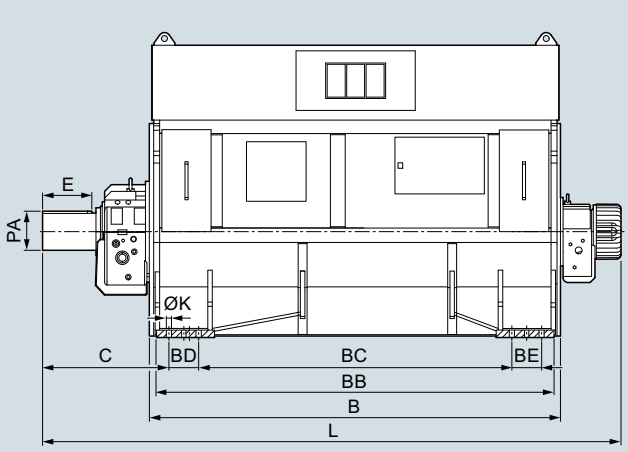


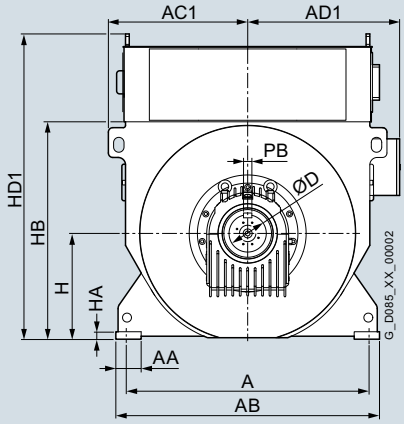


Article No.	Dimensions ∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC01 cooling method, Z ventilation, sleeve bearing													
10-pole, 6.6 kV, 60 Hz													
1DK1122-1JK10-0FA2	260	330	56	272	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1MK10-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1SK10-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1YK10-0FA2	280	380	63	292	4019	2924	2834	2276	200	200	925	1770	1630
1DK1142-1GK10-0FA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1LK10-0FA2	330	450	70	344	3887	2586	2491	1696	200	365	1135	1970	1830
1DK1142-1TK10-0FA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XK10-0FA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830
1DK1142-2EK10-0FA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	Weight kg
1DK1122-1JK10-0FA2	50	170	710	1460	2270	940	1020	39	15800
1DK1122-1MK10-0FA2	50	170	710	1460	2270	940	1020	39	16600
1DK1122-1SK10-0FA2	50	170	710	1460	2270	940	1020	39	17600
1DK1122-1YK10-0FA2	50	170	710	1460	2270	940	1020	39	19200
1DK1142-1GK10-0FA2	60	200	800	1630	2330	1050	1825	39	21400
1DK1142-1LK10-0FA2	60	200	800	1630	2330	1050	1825	39	22400
1DK1142-1TK10-0FA2	60	200	800	1630	2330	1050	1825	39	24600
1DK1142-1XK10-0FA2	60	200	800	1630	2330	1050	1825	39	25900
1DK1142-2EK10-0FA2	60	200	800	1630	2330	1050	1825	39	27500

Dimensional drawings (continued)

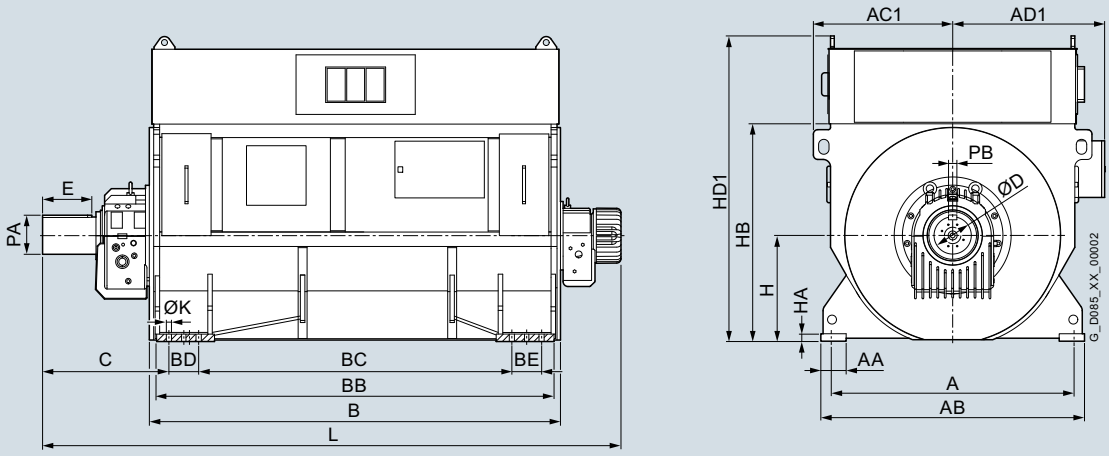




Article No.	Dimensions												
	∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC01 cooling method, Z ventilation, sleeve bearing													
10-pole, 11 kV, 50 Hz													
1DK1122-1JN10-0FA2	260	330	56	272	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1MN10-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1SN10-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1YN10-0FA2	280	380	63	292	4019	2924	2834	2276	200	200	925	1770	1630
1DK1142-1GN10-0FA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1LN10-0FA2	310	380	70	324	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1TN10-0FA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XN10-0FA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830
1DK1142-2EN10-0FA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions								Weight
	HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	kg
1DK1122-1JN10-0FA2	50	170	710	1460	2270	940	1020	39	15800
1DK1122-1MN10-0FA2	50	170	710	1460	2270	940	1020	39	16500
1DK1122-1SN10-0FA2	50	170	710	1460	2270	940	1020	39	17600
1DK1122-1YN10-0FA2	50	170	710	1460	2270	940	1020	39	19200
1DK1142-1GN10-0FA2	60	200	800	1630	2330	1050	1825	39	21200
1DK1142-1LN10-0FA2	60	200	800	1630	2330	1050	1825	39	22400
1DK1142-1TN10-0FA2	60	200	800	1630	2330	1050	1825	39	24400
1DK1142-1XN10-0FA2	60	200	800	1630	2330	1050	1825	39	26100
1DK1142-2EN10-0FA2	60	200	800	1630	2330	1050	1825	39	27500

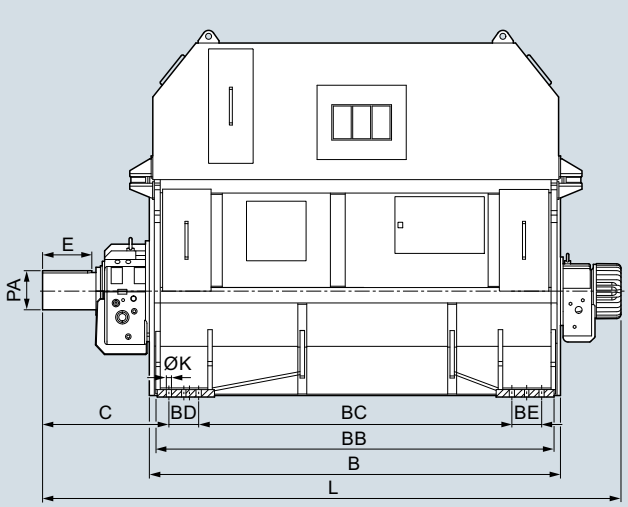
Dimensional drawings (continued)

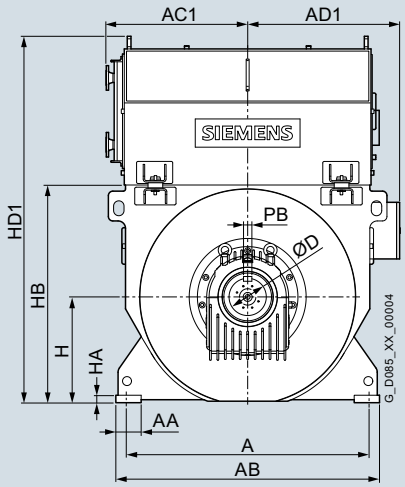


Article No.	Dimensions												
	∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC01 cooling method, Z ventilation, sleeve bearing													
10-pole, 13.8 kV, 60 Hz													
1DK1122-1JR10-0FA2	260	330	56	272	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1MR10-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1SR10-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1YR10-0FA2	280	380	63	292	4019	2924	2834	2276	200	200	925	1770	1630
1DK1142-1GR10-0FA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1LR10-0FA2	330	450	70	344	3887	2586	2491	1696	200	365	1135	1970	1830
1DK1142-1TR10-0FA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XR10-0FA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830
1DK1142-2ER10-0FA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions								Weight
	HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	kg
1DK1122-1JR10-0FA2	50	170	710	1460	2270	940	1020	39	15800
1DK1122-1MR10-0FA2	50	170	710	1460	2270	940	1020	39	16600
1DK1122-1SR10-0FA2	50	170	710	1460	2270	940	1020	39	17600
1DK1122-1YR10-0FA2	50	170	710	1460	2270	940	1020	39	19200
1DK1142-1GR10-0FA2	60	200	800	1630	2330	1050	1825	39	21400
1DK1142-1LR10-0FA2	60	200	800	1630	2330	1050	1825	39	22400
1DK1142-1TR10-0FA2	60	200	800	1630	2330	1050	1825	39	24600
1DK1142-1XR10-0FA2	60	200	800	1630	2330	1050	1825	39	25900
1DK1142-2ER10-0FA2	60	200	800	1630	2330	1050	1825	39	27500

Dimensional drawings

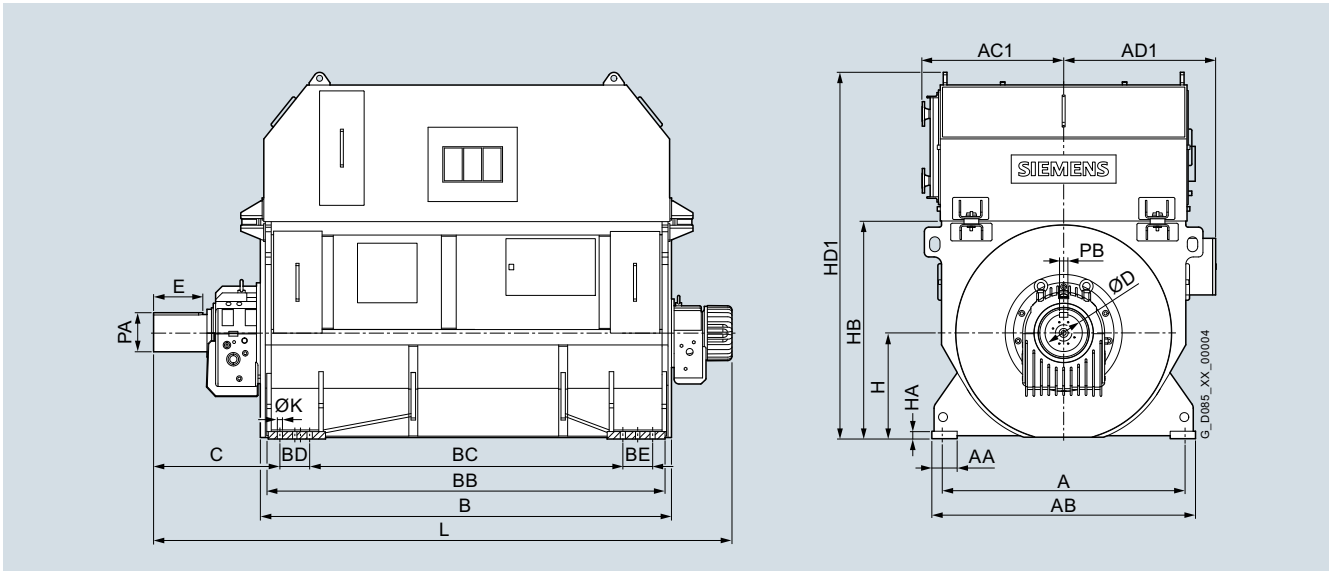




Article No.	Dimensions Ø D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC81W cooling method, Z ventilation, sleeve bearing													
10-pole, 3.3 kV, 50 Hz													
1DK1122-1JE10-0NA2	260	330	56	272	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1ME10-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1SE10-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1YE10-0NA2	280	380	63	292	4019	2924	2834	2276	200	200	925	1770	1630
1DK1142-1LE10-0NA2	310	380	70	324	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1TE10-0NA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XE10-0NA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830
1DK1142-2EE10-0NA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	Ø K mm	Weight kg
1DK1122-1JE10-0NA2	50	170	710	1460	2561	940	1020	39	16000
1DK1122-1ME10-0NA2	50	170	710	1460	2561	940	1020	39	16800
1DK1122-1SE10-0NA2	50	170	710	1460	2561	940	1020	39	17900
1DK1122-1YE10-0NA2	50	170	710	1460	2561	940	1020	39	19700
1DK1142-1LE10-0NA2	60	200	800	1630	1525	1050	1825	39	23100
1DK1142-1TE10-0NA2	60	200	800	1630	1491	1050	1825	39	25200
1DK1142-1XE10-0NA2	60	200	800	1630	1491	1050	1825	39	26800
1DK1142-2EE10-0NA2	60	200	800	1630	1491	1050	1825	39	28200

Dimensional drawings (continued)



Article No.	Dimensions Ø D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC81W cooling method, Z ventilation, sleeve bearing													
10-pole, 4.16 kV, 50 Hz													
1DK1122-1JF10-0NA2	260	330	56	272	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1MF10-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1SF10-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1YF10-0NA2	280	380	63	292	4019	2924	2834	2276	200	200	925	1770	1630
1DK1142-1GF10-0NA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1LF10-0NA2	330	450	70	344	3887	2586	2491	1696	200	365	1135	1970	1830
1DK1142-1TF10-0NA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XF10-0NA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830
1DK1142-2EF10-0NA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	Ø K mm	Weight kg
1DK1122-1JF10-0NA2	50	170	710	1460	2561	940	1020	39	16000
1DK1122-1MF10-0NA2	50	170	710	1460	2561	940	1020	39	17000
1DK1122-1SF10-0NA2	50	170	710	1460	2561	940	1020	39	18100
1DK1122-1YF10-0NA2	50	170	710	1460	2561	940	1020	39	19700
1DK1142-1GF10-0NA2	60	200	800	1630	1525	1050	1825	39	22100
1DK1142-1LF10-0NA2	60	200	800	1630	1525	1050	1825	39	23200
1DK1142-1TF10-0NA2	60	200	800	1630	1491	1050	1825	39	25300
1DK1142-1XF10-0NA2	60	200	800	1630	1491	1050	1825	39	26700
1DK1142-2EF10-0NA2	60	200	800	1630	1491	1050	1825	39	28300

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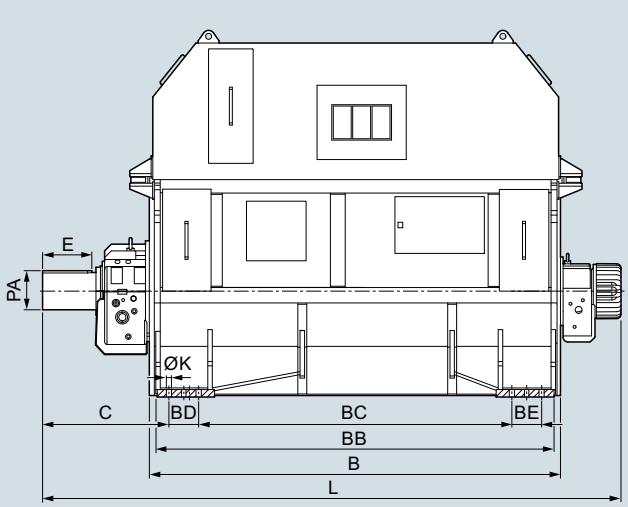
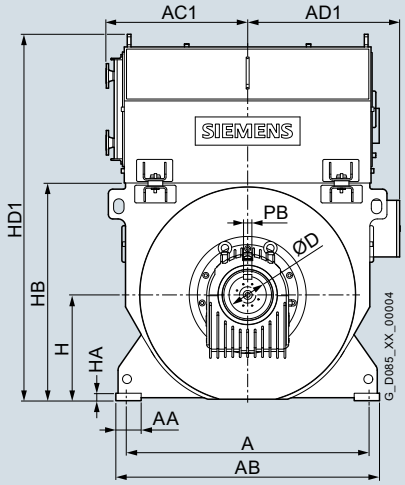
Dimensional drawings (continued)

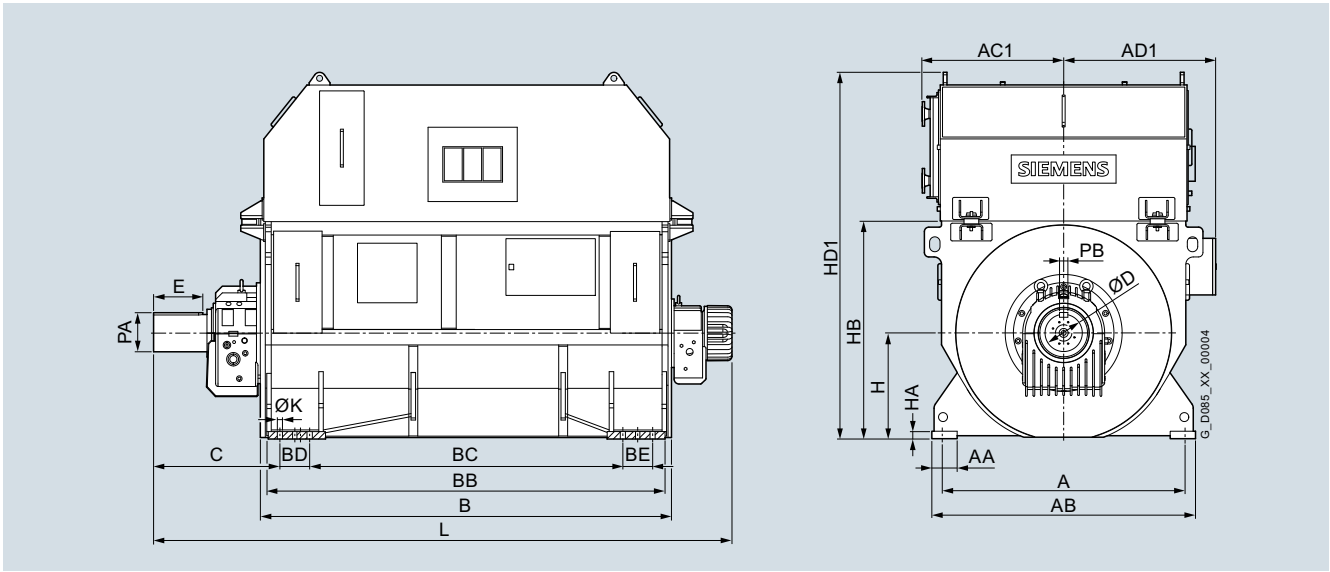




Article No.	Dimensions Ø D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC81W cooling method, Z ventilation, sleeve bearing													
10-pole, 6.3 kV, 50 Hz													
1DK1122-1JH10-0NA2	260	330	56	272	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1MH10-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1SH10-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1YH10-0NA2	280	380	63	292	4019	2924	2834	2276	200	200	925	1770	1630
1DK1142-1GH10-0NA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1LH10-0NA2	310	380	70	324	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1TH10-0NA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XH10-0NA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830
1DK1142-2EH10-0NA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	Ø K mm	Weight kg
1DK1122-1JH10-0NA2	50	170	710	1460	2561	940	1020	39	16000
1DK1122-1MH10-0NA2	50	170	710	1460	2561	940	1020	39	16800
1DK1122-1SH10-0NA2	50	170	710	1460	2561	940	1020	39	17900
1DK1122-1YH10-0NA2	50	170	710	1460	2561	940	1020	39	19700
1DK1142-1GH10-0NA2	60	200	800	1630	1695	1050	1825	39	22100
1DK1142-1LH10-0NA2	60	200	800	1630	1525	1050	1825	39	23100
1DK1142-1TH10-0NA2	60	200	800	1630	1491	1050	1825	39	25200
1DK1142-1XH10-0NA2	60	200	800	1630	1491	1050	1825	39	26800
1DK1142-2EH10-0NA2	60	200	800	1630	1491	1050	1825	39	28200

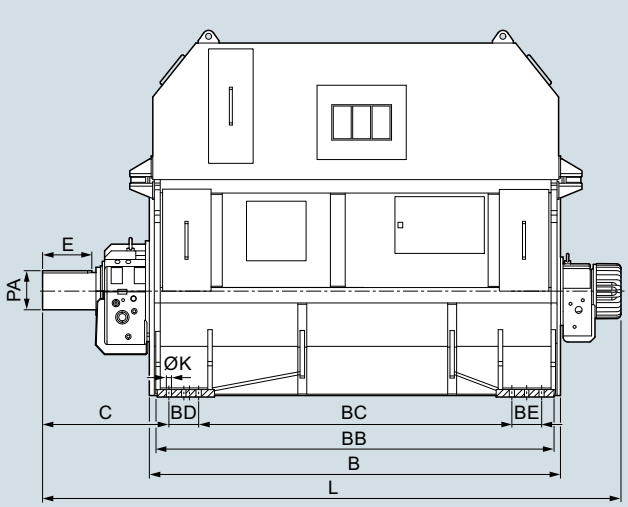
Dimensional drawings (continued)

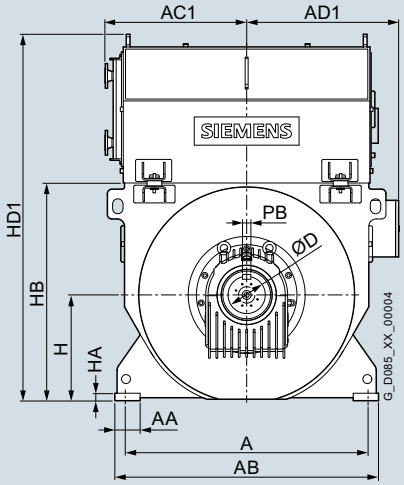


Article No.	Dimensions Ø D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC81W cooling method, Z ventilation, sleeve bearing													
10-pole, 6.6 kV, 60 Hz													
1DK1122-1JK10-0NA2	260	330	56	272	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1MK10-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1SK10-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1YK10-0NA2	280	380	63	292	4019	2924	2834	2276	200	200	925	1770	1630
1DK1142-1GK10-0NA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1LK10-0NA2	330	450	70	344	3887	2586	2491	1696	200	365	1135	1970	1830
1DK1142-1TK10-0NA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XK10-0NA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830
1DK1142-2EK10-0NA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	Ø K mm	Weight kg
1DK1122-1JK10-0NA2	50	170	710	1460	2561	940	1020	39	16000
1DK1122-1MK10-0NA2	50	170	710	1460	2561	940	1020	39	17000
1DK1122-1SK10-0NA2	50	170	710	1460	2561	940	1020	39	18100
1DK1122-1YK10-0NA2	50	170	710	1460	2561	940	1020	39	19700
1DK1142-1GK10-0NA2	60	200	800	1630	1525	1050	1825	39	22100
1DK1142-1LK10-0NA2	60	200	800	1630	1525	1050	1825	39	23200
1DK1142-1TK10-0NA2	60	200	800	1630	1491	1050	1825	39	25300
1DK1142-1XK10-0NA2	60	200	800	1630	1491	1050	1825	39	26700
1DK1142-2EK10-0NA2	60	200	800	1630	1491	1050	1825	39	28300

Dimensional drawings (continued)

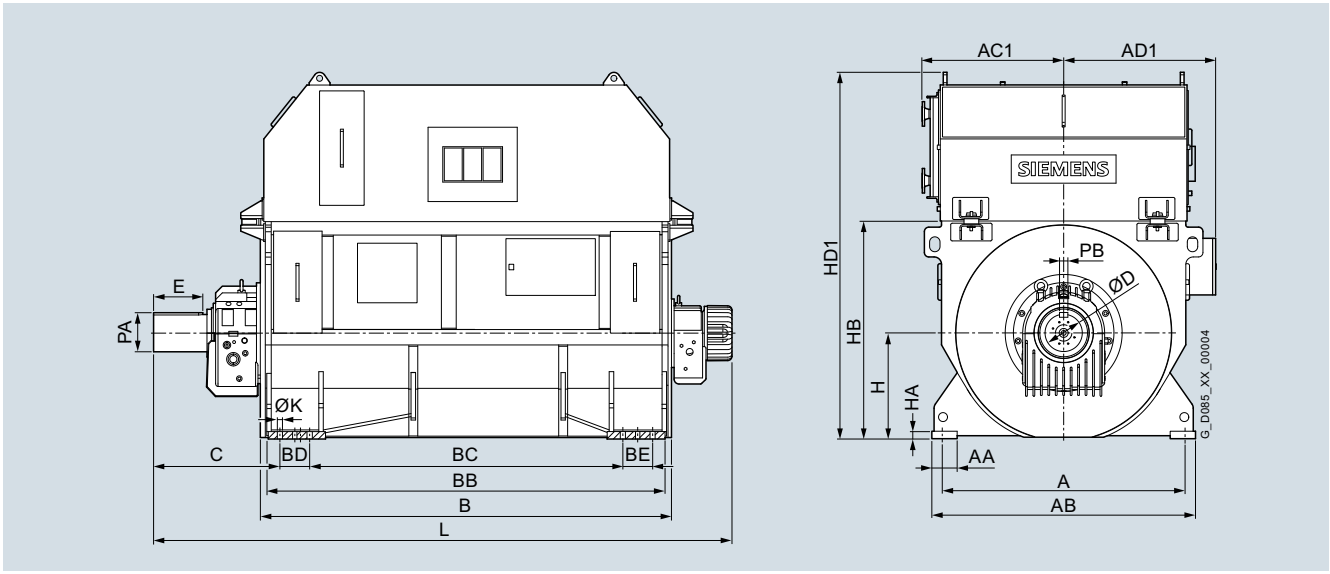




Article No.	Dimensions ∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC81W cooling method, Z ventilation, sleeve bearing													
10-pole, 11 kV, 50 Hz													
1DK1122-1JN10-0NA2	260	330	56	272	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1MN10-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1SN10-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1YN10-0NA2	280	380	63	292	4019	2924	2834	2276	200	200	925	1770	1630
1DK1142-1GN10-0NA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1LN10-0NA2	310	380	70	324	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1TN10-0NA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XN10-0NA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830
1DK1142-2EN10-0NA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	Weight kg
1DK1122-1JN10-0NA2	50	170	710	1460	2561	940	1020	39	16000
1DK1122-1MN10-0NA2	50	170	710	1460	2561	940	1020	39	16800
1DK1122-1SN10-0NA2	50	170	710	1460	2561	940	1020	39	17900
1DK1122-1YN10-0NA2	50	170	710	1460	2561	940	1020	39	19700
1DK1142-1GN10-0NA2	60	200	800	1630	1695	1050	1825	39	22100
1DK1142-1LN10-0NA2	60	200	800	1630	1525	1050	1825	39	23100
1DK1142-1TN10-0NA2	60	200	800	1630	1491	1050	1825	39	25200
1DK1142-1XN10-0NA2	60	200	800	1630	1491	1050	1825	39	26800
1DK1142-2EN10-0NA2	60	200	800	1630	1491	1050	1825	39	28200

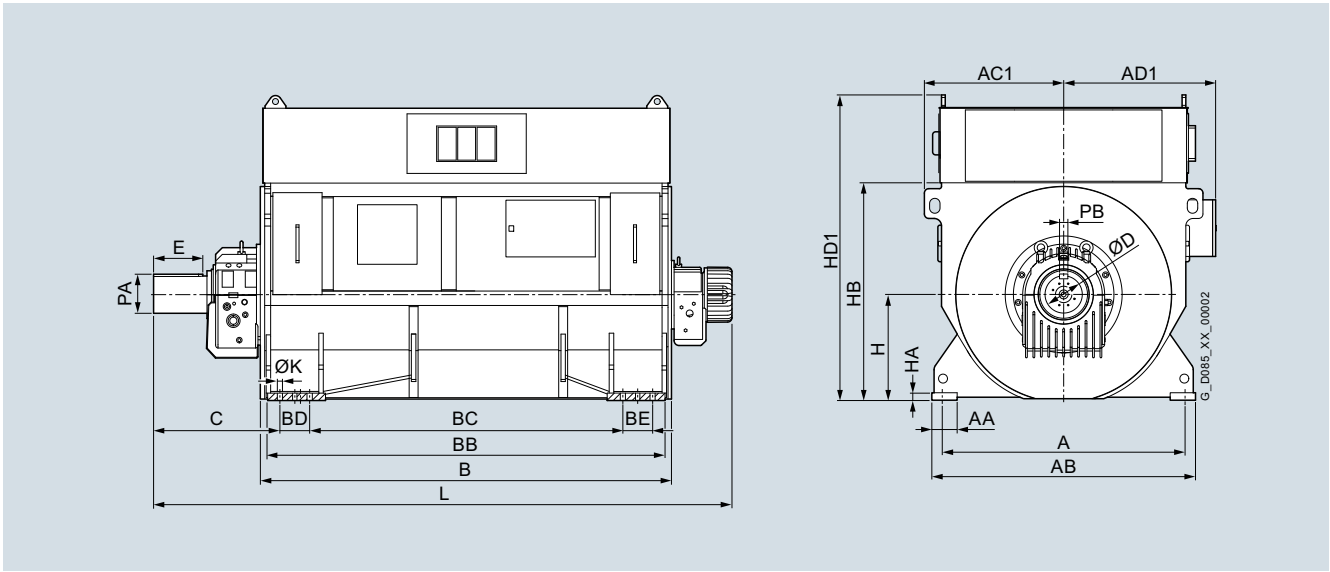
Dimensional drawings (continued)



Article No.	Dimensions ∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC81W cooling method, Z ventilation, sleeve bearing													
10-pole, 13.8 kV, 60 Hz													
1DK1122-1JR10-0NA2	260	330	56	272	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1MR10-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1SR10-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1YR10-0NA2	280	380	63	292	4019	2924	2834	2276	200	200	925	1770	1630
1DK1142-1GR10-0NA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1LR10-0NA2	330	450	70	344	3887	2586	2491	1696	200	365	1135	1970	1830
1DK1142-1TR10-0NA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XR10-0NA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830
1DK1142-2ER10-0NA2	340	450	80	355	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	Weight kg
1DK1122-1JR10-0NA2	50	170	710	1460	2561	940	1020	39	16000
1DK1122-1MR10-0NA2	50	170	710	1460	2561	940	1020	39	17000
1DK1122-1SR10-0NA2	50	170	710	1460	2561	940	1020	39	18100
1DK1122-1YR10-0NA2	50	170	710	1460	2561	940	1020	39	19700
1DK1142-1GR10-0NA2	60	200	800	1630	1525	1050	1825	39	22100
1DK1142-1LR10-0NA2	60	200	800	1630	1525	1050	1825	39	23200
1DK1142-1TR10-0NA2	60	200	800	1630	1491	1050	1825	39	25300
1DK1142-1XR10-0NA2	60	200	800	1630	1491	1050	1825	39	26700
1DK1142-2ER10-0NA2	60	200	800	1630	1491	1050	1825	39	28300

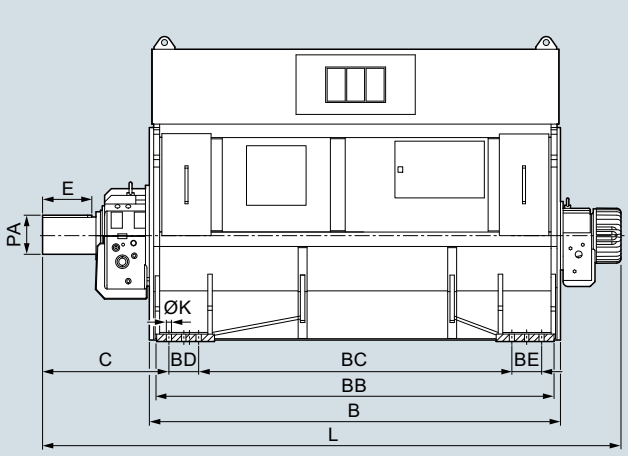
Dimensional drawings

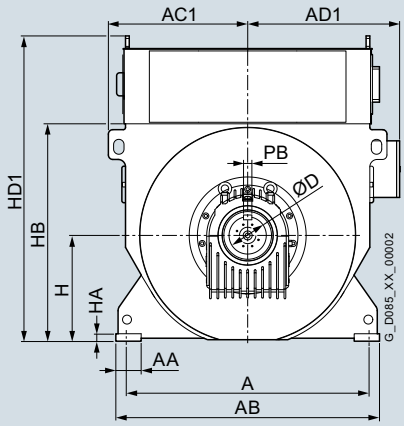


Article No.	Dimensions ∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC01 cooling method, Z ventilation, sleeve bearing													
12-pole, 3.3 kV, 50 Hz													
1DK1122-1AE12-0FA2	240	330	56	252	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1DE12-0FA2	250	330	56	262	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1GE12-0FA2	260	330	56	272	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1RE12-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1VE12-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1142-1JE12-0FA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1NE12-0FA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1SE12-0FA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XE12-0FA2	330	450	70	344	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	Weight kg
1DK1122-1AE12-0FA2	50	170	710	1460	2270	940	1020	39	13700
1DK1122-1DE12-0FA2	50	170	710	1460	2270	940	1020	39	14300
1DK1122-1GE12-0FA2	50	170	710	1460	2270	940	1020	39	14900
1DK1122-1RE12-0FA2	50	170	710	1460	2270	940	1020	39	17200
1DK1122-1VE12-0FA2	50	170	710	1460	2270	940	1020	39	17900
1DK1142-1JE12-0FA2	60	200	800	1630	2330	1050	1825	39	22100
1DK1142-1NE12-0FA2	60	200	800	1630	2330	1050	1825	39	23000
1DK1142-1SE12-0FA2	60	200	800	1630	2330	1050	1825	39	24500
1DK1142-1XE12-0FA2	60	200	800	1630	2330	1050	1825	39	26200

Dimensional drawings (continued)

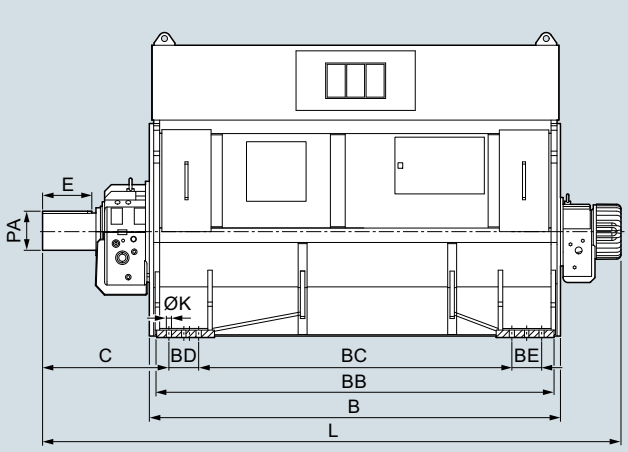


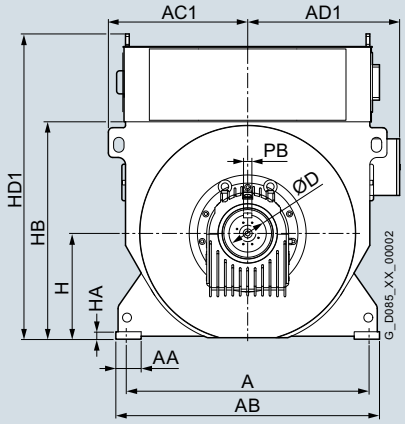


Article No.	Dimensions												
	∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC01 cooling method, Z ventilation, sleeve bearing													
12-pole, 4.16 kV, 60 Hz													
1DK1122-1AF12-0FA2	250	330	56	262	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1DF12-0FA2	250	330	56	262	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1GF12-0FA2	260	330	56	272	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1MF12-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1RF12-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1VF12-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1142-1JF12-0FA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1NF12-0FA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1SF12-0FA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XF12-0FA2	330	450	70	344	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions								Weight
	HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	kg
1DK1122-1AF12-0FA2	50	170	710	1460	2270	940	1020	39	13700
1DK1122-1DF12-0FA2	50	170	710	1460	2270	940	1020	39	14300
1DK1122-1GF12-0FA2	50	170	710	1460	2270	940	1020	39	15000
1DK1122-1MF12-0FA2	50	170	710	1460	2270	940	1020	39	16400
1DK1122-1RF12-0FA2	50	170	710	1460	2270	940	1020	39	17200
1DK1122-1VF12-0FA2	50	170	710	1460	2270	940	1020	39	17900
1DK1142-1JF12-0FA2	60	200	800	1630	2330	1050	1825	39	22000
1DK1142-1NF12-0FA2	60	200	800	1630	2330	1050	1825	39	23000
1DK1142-1SF12-0FA2	60	200	800	1630	2330	1050	1825	39	24500
1DK1142-1XF12-0FA2	60	200	800	1630	2330	1050	1825	39	26200

Dimensional drawings (continued)

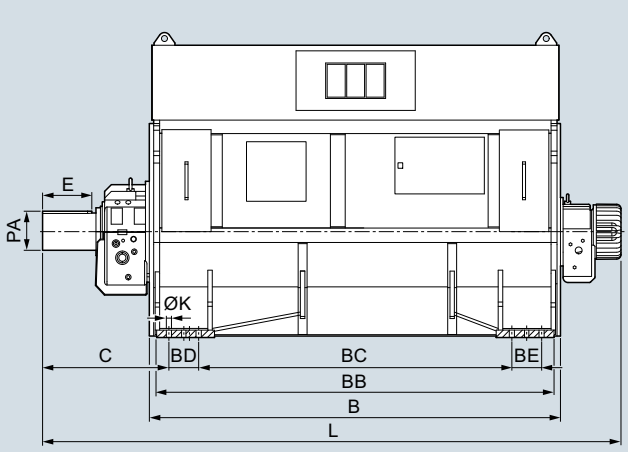


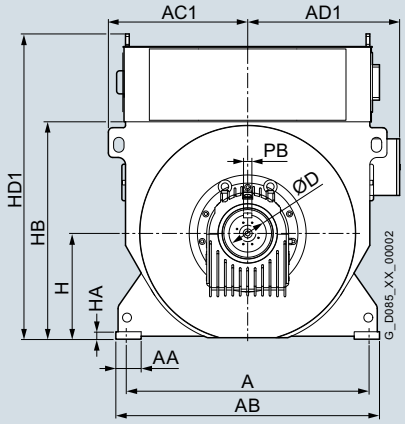


Article No.	Dimensions ∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC01 cooling method, Z ventilation, sleeve bearing													
12-pole, 6.3 kV, 50 Hz													
1DK1122-1AH12-0FA2	240	330	56	252	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1DH12-0FA2	250	330	56	262	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1GH12-0FA2	260	330	56	272	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1MH12-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1RH12-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1VH12-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1142-1JH12-0FA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1NH12-0FA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1SH12-0FA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XH12-0FA2	330	450	70	344	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	Weight kg
1DK1122-1AH12-0FA2	50	170	710	1460	2270	940	1020	39	13700
1DK1122-1DH12-0FA2	50	170	710	1460	2270	940	1020	39	14300
1DK1122-1GH12-0FA2	50	170	710	1460	2270	940	1020	39	14900
1DK1122-1MH12-0FA2	50	170	710	1460	2270	940	1020	39	16400
1DK1122-1RH12-0FA2	50	170	710	1460	2270	940	1020	39	17200
1DK1122-1VH12-0FA2	50	170	710	1460	2270	940	1020	39	17900
1DK1142-1JH12-0FA2	60	200	800	1630	2330	1050	1825	39	22100
1DK1142-1NH12-0FA2	60	200	800	1630	2330	1050	1825	39	23000
1DK1142-1SH12-0FA2	60	200	800	1630	2330	1050	1825	39	24500
1DK1142-1XH12-0FA2	60	200	800	1630	2330	1050	1825	39	26200

Dimensional drawings (continued)

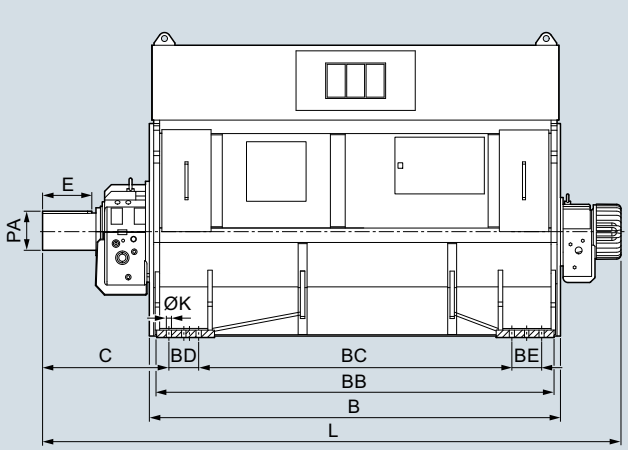


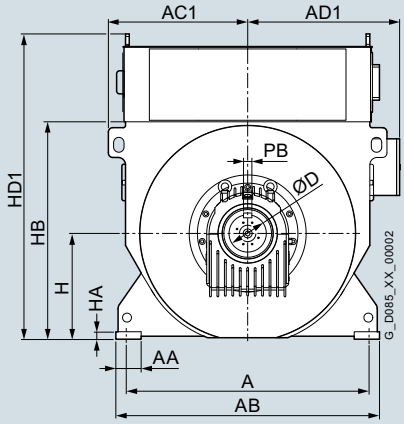


Article No.	Dimensions												
	∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC01 cooling method, Z ventilation, sleeve bearing													
12-pole, 6.6 kV, 60 Hz													
1DK1122-1AK12-0FA2	250	330	56	262	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1DK12-0FA2	250	330	56	262	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1GK12-0FA2	260	330	56	272	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1MK12-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1RK12-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1VK12-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1142-1JK12-0FA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1NK12-0FA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1SK12-0FA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XK12-0FA2	330	450	70	344	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions								Weight
	HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	kg
1DK1122-1AK12-0FA2	50	170	710	1460	2270	940	1020	39	13700
1DK1122-1DK12-0FA2	50	170	710	1460	2270	940	1020	39	14300
1DK1122-1GK12-0FA2	50	170	710	1460	2270	940	1020	39	15000
1DK1122-1MK12-0FA2	50	170	710	1460	2270	940	1020	39	16400
1DK1122-1RK12-0FA2	50	170	710	1460	2270	940	1020	39	17200
1DK1122-1VK12-0FA2	50	170	710	1460	2270	940	1020	39	17900
1DK1142-1JK12-0FA2	60	200	800	1630	2330	1050	1825	39	22000
1DK1142-1NK12-0FA2	60	200	800	1630	2330	1050	1825	39	23000
1DK1142-1SK12-0FA2	60	200	800	1630	2330	1050	1825	39	24500
1DK1142-1XK12-0FA2	60	200	800	1630	2330	1050	1825	39	26200

Dimensional drawings (continued)

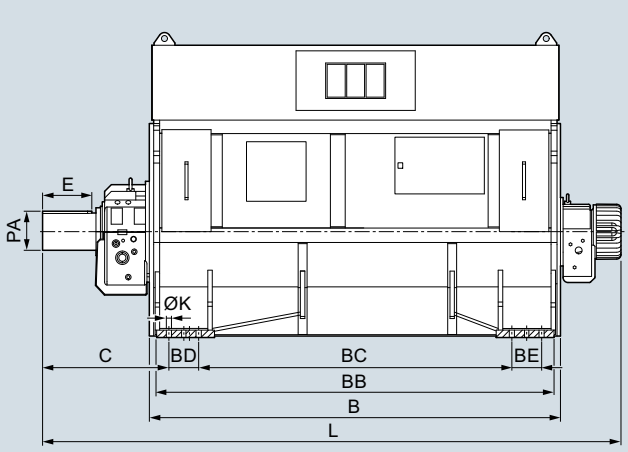


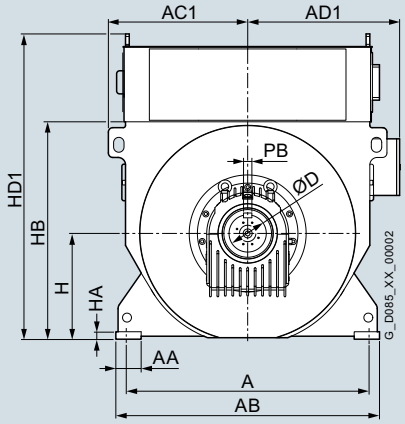


Article No.	Dimensions Ø D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC01 cooling method, Z ventilation, sleeve bearing													
12-pole, 11 kV, 50 Hz													
1DK1122-1AN12-0FA2	240	330	56	252	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1DN12-0FA2	250	330	56	262	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1GN12-0FA2	260	330	56	272	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1MN12-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1RN12-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1VN12-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1142-1JN12-0FA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1NN12-0FA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1SN12-0FA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XN12-0FA2	330	450	70	344	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	Ø K mm	Weight kg
1DK1122-1AN12-0FA2	50	170	710	1460	2270	940	1020	39	13700
1DK1122-1DN12-0FA2	50	170	710	1460	2270	940	1020	39	14300
1DK1122-1GN12-0FA2	50	170	710	1460	2270	940	1020	39	14900
1DK1122-1MN12-0FA2	50	170	710	1460	2270	940	1020	39	16400
1DK1122-1RN12-0FA2	50	170	710	1460	2270	940	1020	39	17200
1DK1122-1VN12-0FA2	50	170	710	1460	2270	940	1020	39	17900
1DK1142-1JN12-0FA2	60	200	800	1630	2330	1050	1825	39	22100
1DK1142-1NN12-0FA2	60	200	800	1630	2330	1050	1825	39	23000
1DK1142-1SN12-0FA2	60	200	800	1630	2330	1050	1825	39	24500
1DK1142-1XN12-0FA2	60	200	800	1630	2330	1050	1825	39	26200

Dimensional drawings (continued)

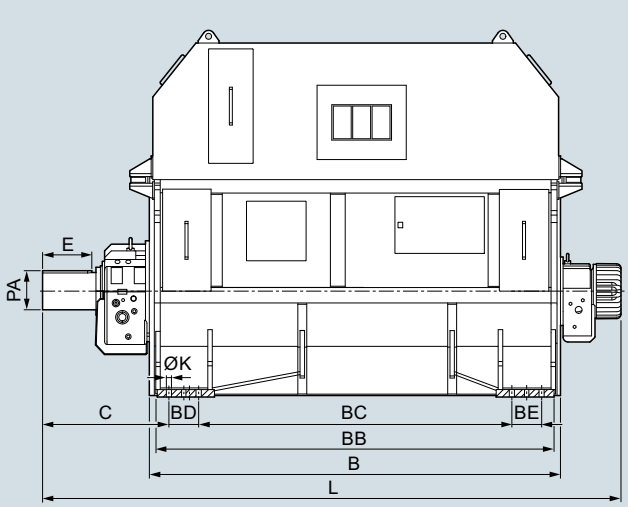


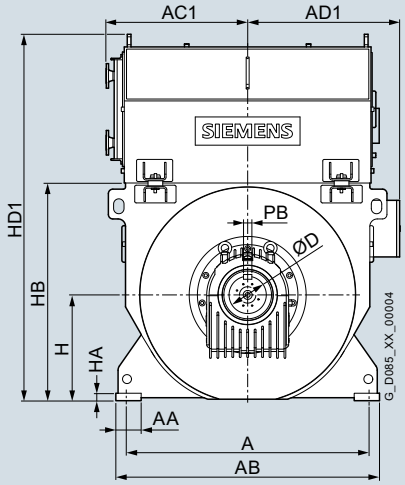


Article No.	Dimensions												
	∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC01 cooling method, Z ventilation, sleeve bearing													
12-pole, 13.8 kV, 60 Hz													
1DK1122-1AR12-0FA2	250	330	56	262	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1DR12-0FA2	250	330	56	262	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1GR12-0FA2	260	330	56	272	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1MR12-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1RR12-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1VR12-0FA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1142-1JR12-0FA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1NR12-0FA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1SR12-0FA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XR12-0FA2	330	450	70	344	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions								Weight
	HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	kg
1DK1122-1AR12-0FA2	50	170	710	1460	2270	940	1020	39	13700
1DK1122-1DR12-0FA2	50	170	710	1460	2270	940	1020	39	14300
1DK1122-1GR12-0FA2	50	170	710	1460	2270	940	1020	39	15000
1DK1122-1MR12-0FA2	50	170	710	1460	2270	940	1020	39	16400
1DK1122-1RR12-0FA2	50	170	710	1460	2270	940	1020	39	17200
1DK1122-1VR12-0FA2	50	170	710	1460	2270	940	1020	39	17900
1DK1142-1JR12-0FA2	60	200	800	1630	2330	1050	1825	39	22000
1DK1142-1NR12-0FA2	60	200	800	1630	2330	1050	1825	39	23000
1DK1142-1SR12-0FA2	60	200	800	1630	2330	1050	1825	39	24500
1DK1142-1XR12-0FA2	60	200	800	1630	2330	1050	1825	39	26200

Dimensional drawings

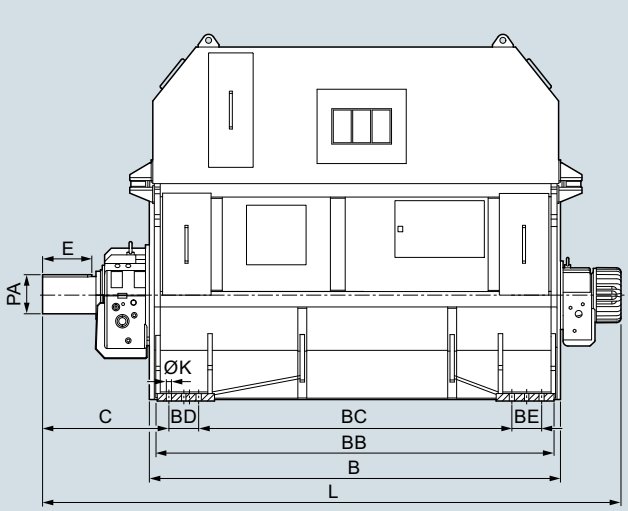


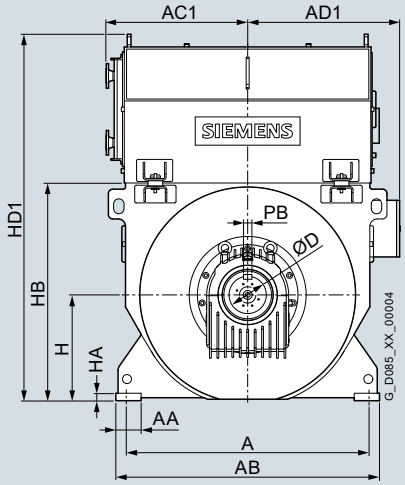


Article No.	Dimensions Ø D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC81W cooling method, Z ventilation, sleeve bearing													
12-pole, 3.3 kV, 50 Hz													
1DK1122-1AE12-0NA2	240	330	56	252	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1DE12-0NA2	250	330	56	262	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1GE12-0NA2	260	330	56	272	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1RE12-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1VE12-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1142-1JE12-0NA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1NE12-0NA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1SE12-0NA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XE12-0NA2	330	450	70	344	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	Ø K mm	Weight kg
1DK1122-1AE12-0NA2	50	170	710	1460	2425	940	1020	39	13800
1DK1122-1DE12-0NA2	50	170	710	1460	2425	940	1020	39	14400
1DK1122-1GE12-0NA2	50	170	710	1460	2425	940	1020	39	15000
1DK1122-1RE12-0NA2	50	170	710	1460	2561	940	1020	39	17700
1DK1122-1VE12-0NA2	50	170	710	1460	2561	940	1020	39	18400
1DK1142-1JE12-0NA2	60	200	800	1630	1525	1050	1825	39	22900
1DK1142-1NE12-0NA2	60	200	800	1630	1525	1050	1825	39	23800
1DK1142-1SE12-0NA2	60	200	800	1630	1491	1050	1825	39	25200
1DK1142-1XE12-0NA2	60	200	800	1630	1491	1050	1825	39	27000

Dimensional drawings (continued)

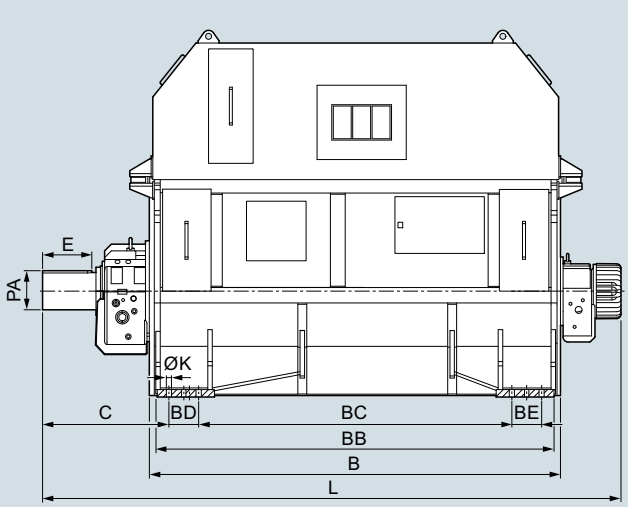


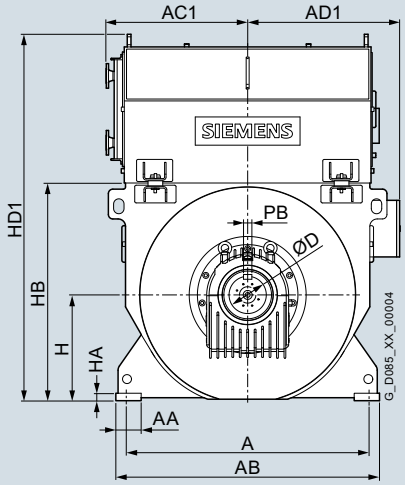


Article No.	Dimensions												
	∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC81W cooling method, Z ventilation, sleeve bearing													
12-pole, 4.16 kV, 60 Hz													
1DK1122-1AF12-0NA2	250	330	56	262	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1DF12-0NA2	250	330	56	262	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1GF12-0NA2	260	330	56	272	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1MF12-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1RF12-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1VF12-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1142-1JF12-0NA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1NF12-0NA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1SF12-0NA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XF12-0NA2	330	450	70	344	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions								Weight
	HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	kg
1DK1122-1AF12-0NA2	50	170	710	1460	2799	940	1020	39	14100
1DK1122-1DF12-0NA2	50	170	710	1460	2799	940	1020	39	14700
1DK1122-1GF12-0NA2	50	170	710	1460	2799	940	1020	39	15400
1DK1122-1MF12-0NA2	50	170	710	1460	2561	940	1020	39	16800
1DK1122-1RF12-0NA2	50	170	710	1460	2561	940	1020	39	17700
1DK1122-1VF12-0NA2	50	170	710	1460	2561	940	1020	39	18400
1DK1142-1JF12-0NA2	60	200	800	1630	1525	1050	1825	39	22800
1DK1142-1NF12-0NA2	60	200	800	1630	1525	1050	1825	39	23800
1DK1142-1SF12-0NA2	60	200	800	1630	1491	1050	1825	39	25300
1DK1142-1XF12-0NA2	60	200	800	1630	1491	1050	1825	39	27000

Dimensional drawings (continued)

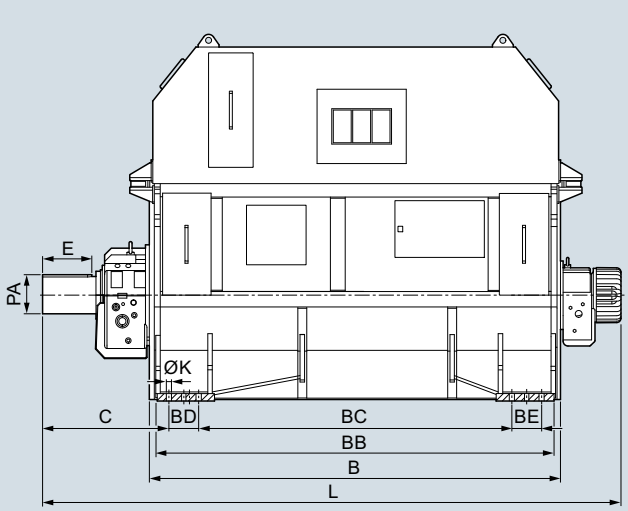


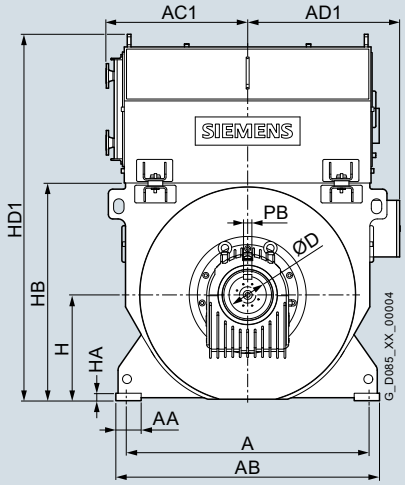


Article No.	Dimensions Ø D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC81W cooling method, Z ventilation, sleeve bearing													
12-pole, 6.3 kV, 50 Hz													
1DK1122-1AH12-0NA2	240	330	56	252	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1DH12-0NA2	250	330	56	262	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1GH12-0NA2	260	330	56	272	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1MH12-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1RH12-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1VH12-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1142-1JH12-0NA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1NH12-0NA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1SH12-0NA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XH12-0NA2	330	450	70	344	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	Ø K mm	Weight kg
1DK1122-1AH12-0NA2	50	170	710	1460	2425	940	1020	39	13800
1DK1122-1DH12-0NA2	50	170	710	1460	2425	940	1020	39	14400
1DK1122-1GH12-0NA2	50	170	710	1460	2425	940	1020	39	15000
1DK1122-1MH12-0NA2	50	170	710	1460	2561	940	1020	39	16900
1DK1122-1RH12-0NA2	50	170	710	1460	2561	940	1020	39	17700
1DK1122-1VH12-0NA2	50	170	710	1460	2561	940	1020	39	18400
1DK1142-1JH12-0NA2	60	200	800	1630	1525	1050	1825	39	22900
1DK1142-1NH12-0NA2	60	200	800	1630	1525	1050	1825	39	23800
1DK1142-1SH12-0NA2	60	200	800	1630	1491	1050	1825	39	25200
1DK1142-1XH12-0NA2	60	200	800	1630	1491	1050	1825	39	27000

Dimensional drawings (continued)

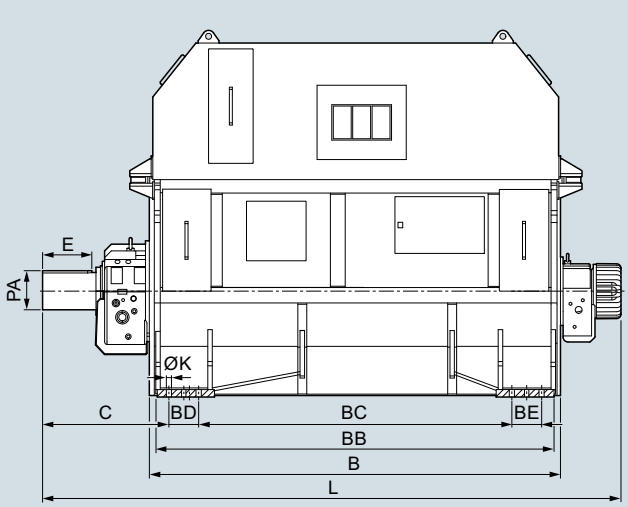


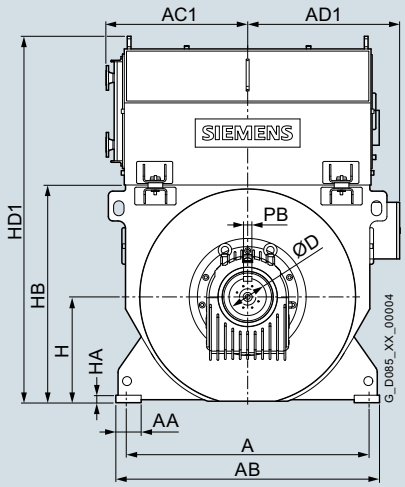


Article No.	Dimensions												
	Ø D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC81W cooling method, Z ventilation, sleeve bearing													
12-pole, 6.6 kV, 60 Hz													
1DK1122-1AK12-0NA2	250	330	56	262	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1DK12-0NA2	250	330	56	262	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1GK12-0NA2	260	330	56	272	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1MK12-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1RK12-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1VK12-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1142-1JK12-0NA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1NK12-0NA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1SK12-0NA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XK12-0NA2	330	450	70	344	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions								Weight
	HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	Ø K mm	kg
1DK1122-1AK12-0NA2	50	170	710	1460	2799	940	1020	39	14100
1DK1122-1DK12-0NA2	50	170	710	1460	2799	940	1020	39	14700
1DK1122-1GK12-0NA2	50	170	710	1460	2799	940	1020	39	15400
1DK1122-1MK12-0NA2	50	170	710	1460	2561	940	1020	39	16800
1DK1122-1RK12-0NA2	50	170	710	1460	2561	940	1020	39	17700
1DK1122-1VK12-0NA2	50	170	710	1460	2561	940	1020	39	18400
1DK1142-1JK12-0NA2	60	200	800	1630	1525	1050	1825	39	22800
1DK1142-1NK12-0NA2	60	200	800	1630	1525	1050	1825	39	23800
1DK1142-1SK12-0NA2	60	200	800	1630	1491	1050	1825	39	25300
1DK1142-1XK12-0NA2	60	200	800	1630	1491	1050	1825	39	27000

Dimensional drawings (continued)

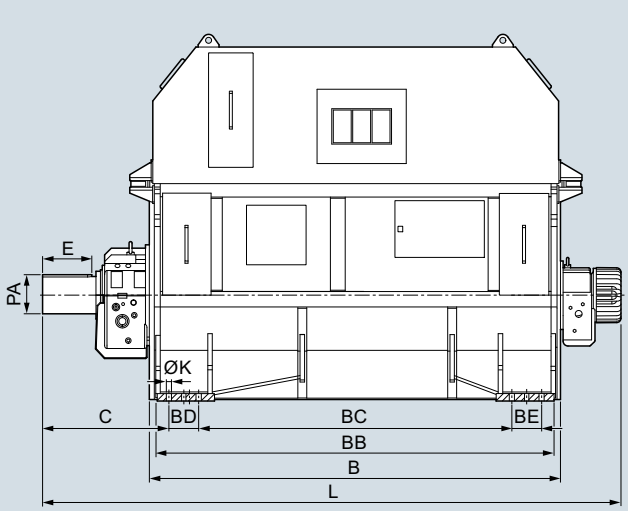


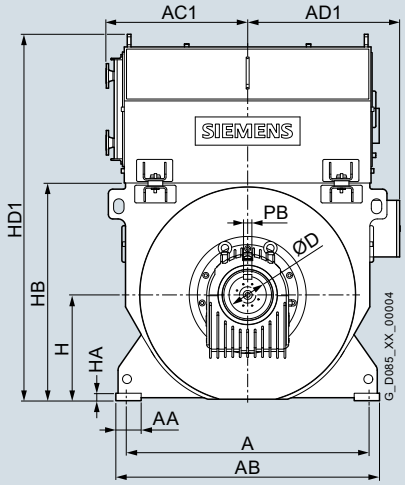


Article No.	Dimensions Ø D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC81W cooling method, Z ventilation, sleeve bearing													
12-pole, 11 kV, 50 Hz													
1DK1122-1AN12-0NA2	240	330	56	252	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1DN12-0NA2	250	330	56	262	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1GN12-0NA2	260	330	56	272	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1MN12-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1RN12-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1VN12-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1142-1JN12-0NA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1NN12-0NA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1SN12-0NA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XN12-0NA2	330	450	70	344	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	Ø K mm	Weight kg
1DK1122-1AN12-0NA2	50	170	710	1460	2425	940	1020	39	13800
1DK1122-1DN12-0NA2	50	170	710	1460	2425	940	1020	39	14400
1DK1122-1GN12-0NA2	50	170	710	1460	2425	940	1020	39	15000
1DK1122-1MN12-0NA2	50	170	710	1460	2561	940	1020	39	16900
1DK1122-1RN12-0NA2	50	170	710	1460	2561	940	1020	39	17700
1DK1122-1VN12-0NA2	50	170	710	1460	2561	940	1020	39	18400
1DK1142-1JN12-0NA2	60	200	800	1630	1525	1050	1825	39	22900
1DK1142-1NN12-0NA2	60	200	800	1630	1525	1050	1825	39	23800
1DK1142-1SN12-0NA2	60	200	800	1630	1491	1050	1825	39	25200
1DK1142-1XN12-0NA2	60	200	800	1630	1491	1050	1825	39	27000

Dimensional drawings (continued)

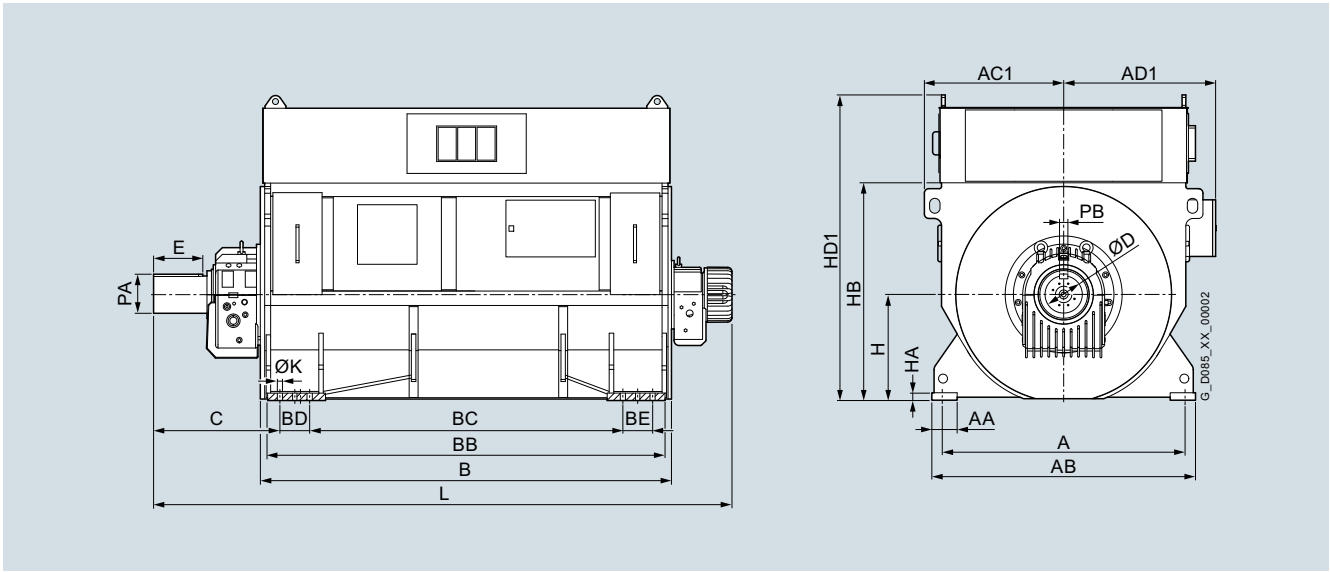




Article No.	Dimensions Ø D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC81W cooling method, Z ventilation, sleeve bearing													
12-pole, 13.8 kV, 60 Hz													
1DK1122-1AR12-0NA2	250	330	56	262	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1DR12-0NA2	250	330	56	262	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1GR12-0NA2	260	330	56	272	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1MR12-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1RR12-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1122-1VR12-0NA2	280	380	63	292	3845	2750	2660	2102	200	200	925	1770	1630
1DK1142-1JR12-0NA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1NR12-0NA2	320	380	70	334	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1SR12-0NA2	330	450	70	344	4119	2818	2723	1928	200	365	1135	1970	1830
1DK1142-1XR12-0NA2	330	450	70	344	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	Ø K mm	Weight kg
1DK1122-1AR12-0NA2	50	170	710	1460	2799	940	1020	39	14100
1DK1122-1DR12-0NA2	50	170	710	1460	2799	940	1020	39	14700
1DK1122-1GR12-0NA2	50	170	710	1460	2799	940	1020	39	15400
1DK1122-1MR12-0NA2	50	170	710	1460	2561	940	1020	39	16800
1DK1122-1RR12-0NA2	50	170	710	1460	2561	940	1020	39	17700
1DK1122-1VR12-0NA2	50	170	710	1460	2561	940	1020	39	18400
1DK1142-1JR12-0NA2	60	200	800	1630	1525	1050	1825	39	22800
1DK1142-1NR12-0NA2	60	200	800	1630	1525	1050	1825	39	23800
1DK1142-1SR12-0NA2	60	200	800	1630	1491	1050	1825	39	25300
1DK1142-1XR12-0NA2	60	200	800	1630	1491	1050	1825	39	27000

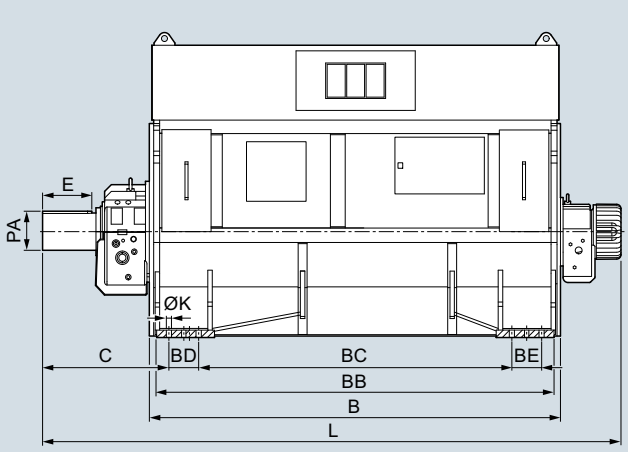
Dimensional drawings

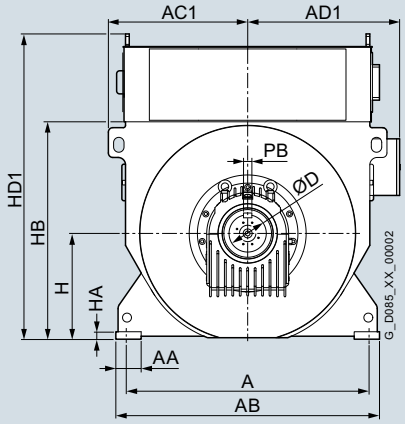


Article No.	Dimensions ∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC01 cooling method, Z ventilation, sleeve bearing													
14-pole, 3.3 kV, 50 Hz													
1DK1142-1GE14-0FA2	290	380	63	302	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1NE14-0FA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1XE14-0FA2	320	380	70	334	4281	3050	2955	2160	200	365	1065	1970	1830
1DK1142-2CE14-0FA2	330	450	70	344	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	Weight kg
1DK1142-1GE14-0FA2	60	200	800	1630	2330	1050	1825	39	21500
1DK1142-1NE14-0FA2	60	200	800	1630	2330	1050	1825	39	23100
1DK1142-1XE14-0FA2	60	200	800	1630	2330	1050	1825	39	26200
1DK1142-2CE14-0FA2	60	200	800	1630	2330	1050	1825	39	27200

Dimensional drawings (continued)

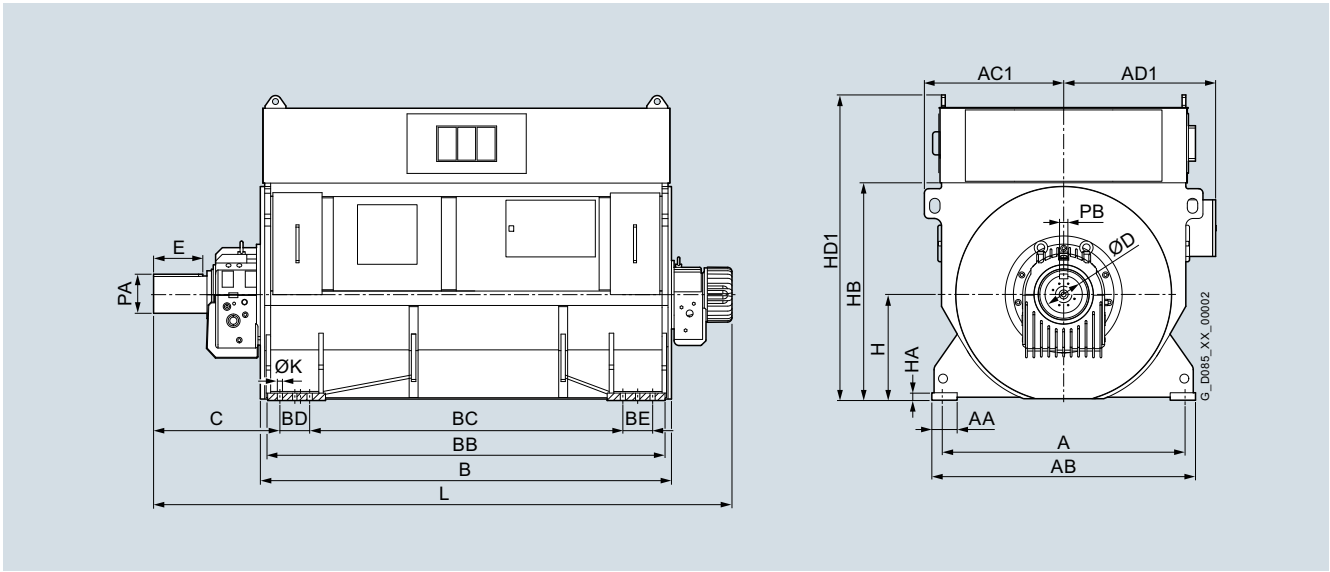




Article No.	Dimensions												
	∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC01 cooling method, Z ventilation, sleeve bearing													
14-pole, 4.16 kV, 60 Hz													
1DK1122-1DF14-0FA2	230	330	50	241	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1JF14-0FA2	240	330	56	252	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1RF14-0FA2	240	330	56	252	3795	2750	2660	2102	200	200	875	1770	1630
1DK1122-1XF14-0FA2	240	330	56	252	3795	2750	2660	2102	200	200	875	1770	1630
1DK1142-1GF14-0FA2	290	380	63	302	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1NF14-0FA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1XF14-0FA2	330	450	70	344	3887	2586	2491	1696	200	365	1135	1970	1830

Article No. (repeated)	Dimensions								Weight
	HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	kg
1DK1122-1DF14-0FA2	50	170	710	1460	2270	940	1020	39	14200
1DK1122-1JF14-0FA2	50	170	710	1460	2270	940	1020	39	15300
1DK1122-1RF14-0FA2	50	170	710	1460	2270	940	1020	39	17200
1DK1122-1XF14-0FA2	50	170	710	1460	2270	940	1020	39	18300
1DK1142-1GF14-0FA2	60	200	800	1630	2330	1050	1825	39	21600
1DK1142-1NF14-0FA2	60	200	800	1630	2330	1050	1825	39	23100
1DK1142-1XF14-0FA2	60	200	800	1630	2330	1050	1825	39	25300

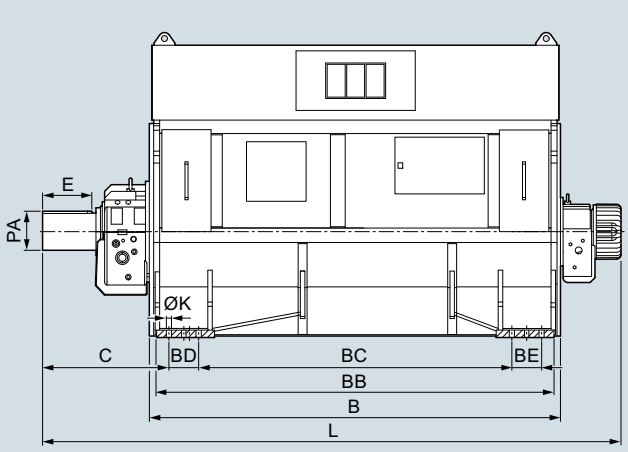
Dimensional drawings (continued)

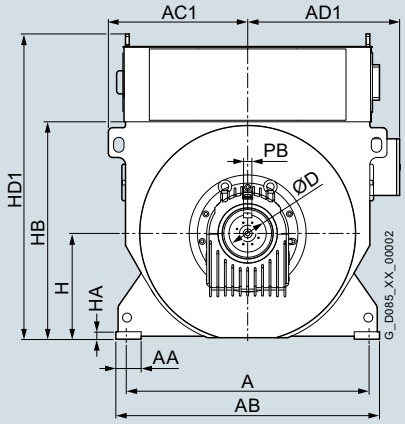


Article No.	Dimensions ∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC01 cooling method, Z ventilation, sleeve bearing													
14-pole, 6.3 kV, 50 Hz													
1DK1142-1GH14-0FA2	290	380	63	302	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1NH14-0FA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1XH14-0FA2	320	380	70	334	4281	3050	2955	2160	200	365	1065	1970	1830
1DK1142-2CH14-0FA2	330	450	70	344	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	Weight kg
1DK1142-1GH14-0FA2	60	200	800	1630	2330	1050	1825	39	21500
1DK1142-1NH14-0FA2	60	200	800	1630	2330	1050	1825	39	23100
1DK1142-1XH14-0FA2	60	200	800	1630	2330	1050	1825	39	26200
1DK1142-2CH14-0FA2	60	200	800	1630	2330	1050	1825	39	27200

Dimensional drawings (continued)

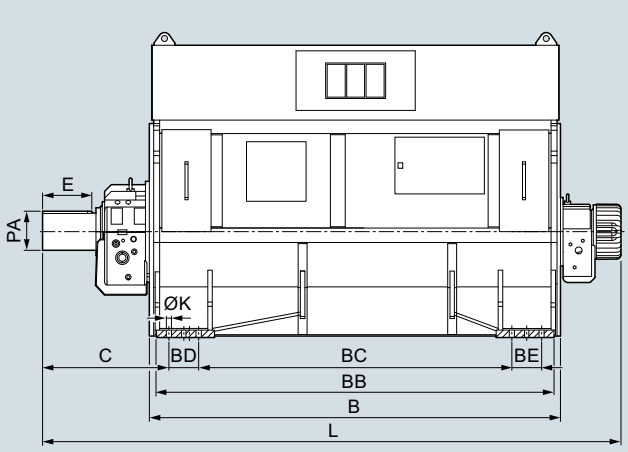


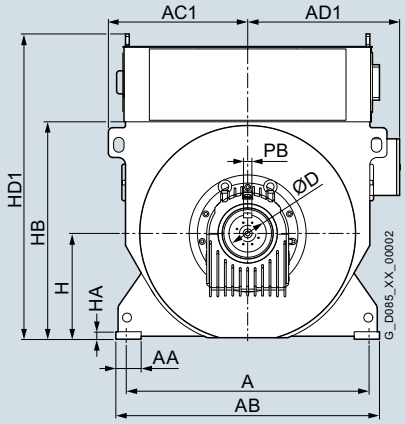


Article No.	Dimensions Ø D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC01 cooling method, Z ventilation, sleeve bearing													
14-pole, 6.6 kV, 60 Hz													
1DK1122-1DK14-0FA2	230	330	50	241	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1JK14-0FA2	240	330	56	252	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1RK14-0FA2	240	330	56	252	3795	2750	2660	2102	200	200	875	1770	1630
1DK1122-1XK14-0FA2	240	330	56	252	3795	2750	2660	2102	200	200	875	1770	1630
1DK1142-1GK14-0FA2	290	380	63	302	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1NK14-0FA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1XK14-0FA2	330	450	70	344	3887	2586	2491	1696	200	365	1135	1970	1830
1DK1142-2CK14-0FA2	330	450	70	344	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	Ø K mm	Weight kg
1DK1122-1DK14-0FA2	50	170	710	1460	2270	940	1020	39	14200
1DK1122-1JK14-0FA2	50	170	710	1460	2270	940	1020	39	15300
1DK1122-1RK14-0FA2	50	170	710	1460	2270	940	1020	39	17200
1DK1122-1XK14-0FA2	50	170	710	1460	2270	940	1020	39	18300
1DK1142-1GK14-0FA2	60	200	800	1630	2330	1050	1825	39	21600
1DK1142-1NK14-0FA2	60	200	800	1630	2330	1050	1825	39	23100
1DK1142-1XK14-0FA2	60	200	800	1630	2330	1050	1825	39	25300
1DK1142-2CK14-0FA2	60	200	800	1630	2330	1050	1825	39	27200

Dimensional drawings (continued)

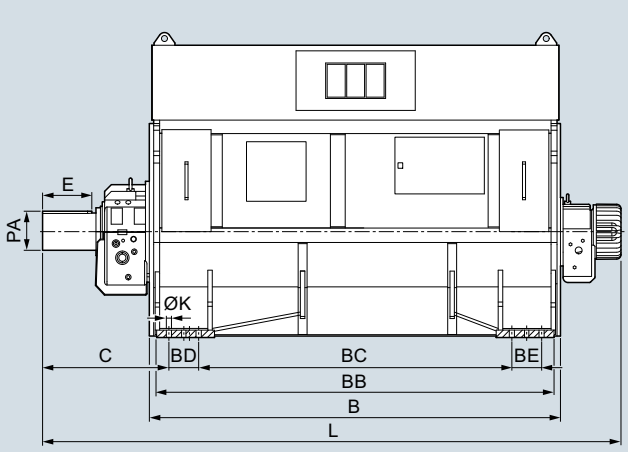


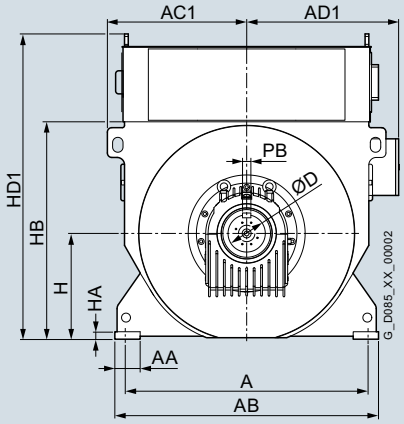


Article No.	Dimensions												
	∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC01 cooling method, Z ventilation, sleeve bearing													
14-pole, 11 kV, 50 Hz													
1DK1142-1GN14-0FA2	290	380	63	302	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1NN14-0FA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1XN14-0FA2	320	380	70	334	4281	3050	2955	2160	200	365	1065	1970	1830
1DK1142-2CN14-0FA2	330	450	70	344	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions								Weight
	HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	kg
1DK1142-1GN14-0FA2	60	200	800	1630	2330	1050	1825	39	21500
1DK1142-1NN14-0FA2	60	200	800	1630	2330	1050	1825	39	23100
1DK1142-1XN14-0FA2	60	200	800	1630	2330	1050	1825	39	26200
1DK1142-2CN14-0FA2	60	200	800	1630	2330	1050	1825	39	27200

Dimensional drawings (continued)

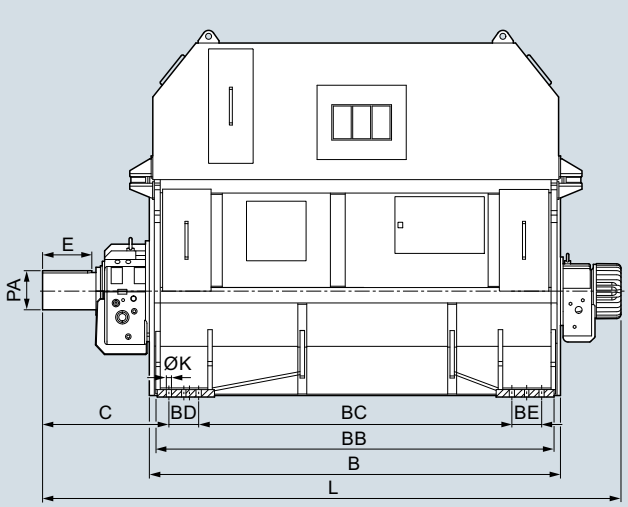


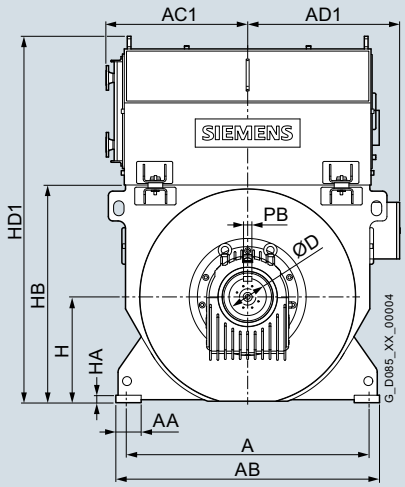


Article No.	Dimensions												
	∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC01 cooling method, Z ventilation, sleeve bearing													
14-pole, 13.8 kV, 60 Hz													
1DK1122-1DR14-0FA2	230	330	50	241	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1JR14-0FA2	240	330	56	252	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1RR14-0FA2	240	330	56	252	3795	2750	2660	2102	200	200	875	1770	1630
1DK1122-1XR14-0FA2	240	330	56	252	3795	2750	2660	2102	200	200	875	1770	1630
1DK1142-1NR14-0FA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1XR14-0FA2	330	450	70	344	3887	2586	2491	1696	200	365	1135	1970	1830
1DK1142-2CR14-0FA2	330	450	70	344	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions								Weight
	HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	kg
1DK1122-1DR14-0FA2	50	170	710	1460	2270	940	1020	39	14200
1DK1122-1JR14-0FA2	50	170	710	1460	2270	940	1020	39	15300
1DK1122-1RR14-0FA2	50	170	710	1460	2270	940	1020	39	17200
1DK1122-1XR14-0FA2	50	170	710	1460	2270	940	1020	39	18300
1DK1142-1NR14-0FA2	60	200	800	1630	2330	1050	1825	39	23100
1DK1142-1XR14-0FA2	60	200	800	1630	2330	1050	1825	39	25300
1DK1142-2CR14-0FA2	60	200	800	1630	2330	1050	1825	39	27200

Dimensional drawings

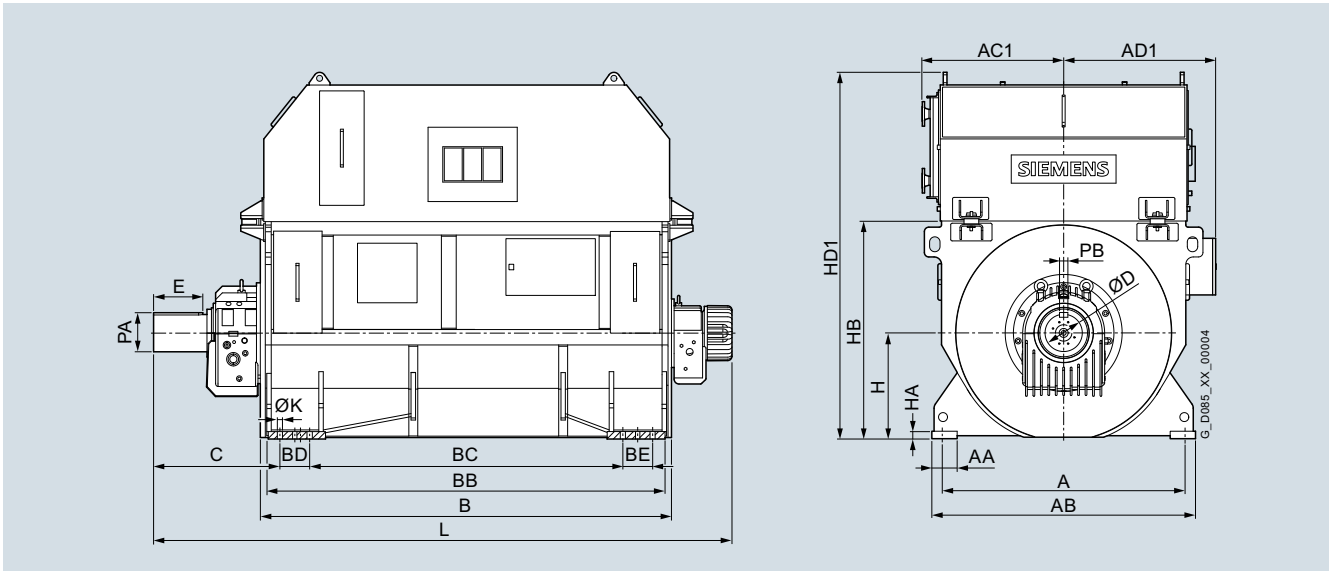




Article No.	Dimensions												
	Ø D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC81W cooling method, Z ventilation, sleeve bearing													
14-pole, 3.3 kV, 50 Hz													
1DK1142-1GE14-0NA2	290	380	63	302	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1NE14-0NA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1XE14-0NA2	320	380	70	334	4281	3050	2955	2160	200	365	1065	1970	1830
1DK1142-2CE14-0NA2	330	450	70	344	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions								Weight
	HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	Ø K mm	kg
1DK1142-1GE14-0NA2	60	200	800	1630	1525	1050	1825	39	22300
1DK1142-1NE14-0NA2	60	200	800	1630	1525	1050	1825	39	23900
1DK1142-1XE14-0NA2	60	200	800	1630	1491	1050	1825	39	26900
1DK1142-2CE14-0NA2	60	200	800	1630	1491	1050	1825	39	27900

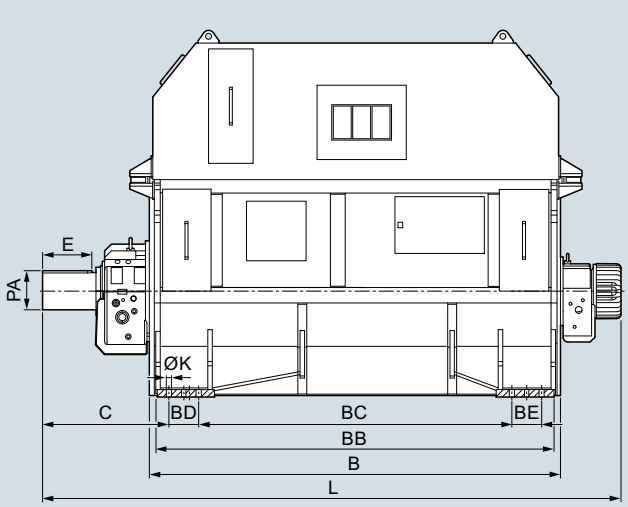
Dimensional drawings (continued)

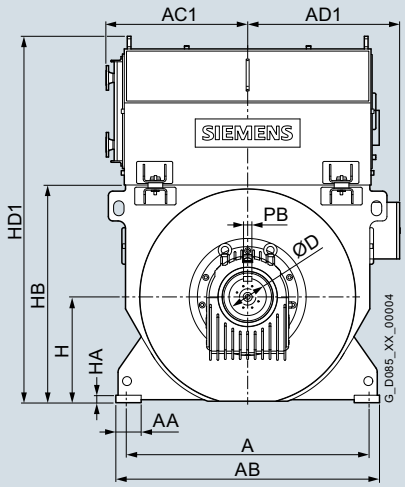


Article No.	Dimensions												
	∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC81W cooling method, Z ventilation, sleeve bearing													
14-pole, 4.16 kV, 60 Hz													
1DK1122-1DF14-0NA2	230	330	50	241	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1JF14-0NA2	240	330	56	252	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1RF14-0NA2	240	330	56	252	3795	2750	2660	2102	200	200	875	1770	1630
1DK1122-1XF14-0NA2	240	330	56	252	3795	2750	2660	2102	200	200	875	1770	1630
1DK1142-1GF14-0NA2	290	380	63	302	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1NF14-0NA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1XF14-0NA2	330	450	70	344	3887	2586	2491	1696	200	365	1135	1970	1830

Article No. (repeated)	Dimensions								Weight
	HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	kg
1DK1122-1DF14-0NA2	50	170	710	1460	2425	940	1020	39	14300
1DK1122-1JF14-0NA2	50	170	710	1460	2425	940	1020	39	15300
1DK1122-1RF14-0NA2	50	170	710	1460	2561	940	1020	39	17400
1DK1122-1XF14-0NA2	50	170	710	1460	2561	940	1020	39	18500
1DK1142-1GF14-0NA2	60	200	800	1630	1525	1050	1825	39	22400
1DK1142-1NF14-0NA2	60	200	800	1630	1525	1050	1825	39	23800
1DK1142-1XF14-0NA2	60	200	800	1630	1525	1050	1825	39	26100

Dimensional drawings (continued)

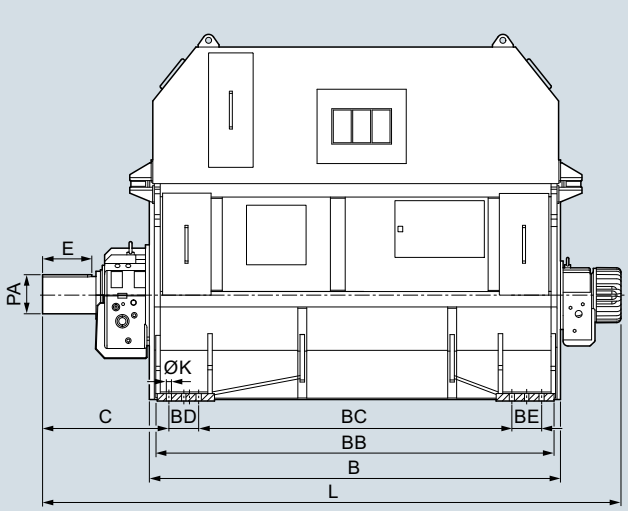


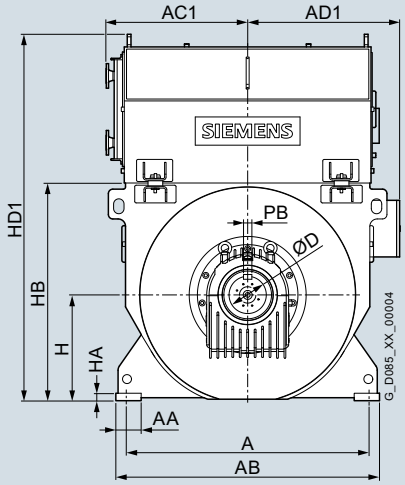


Article No.	Dimensions												
	Ø D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC81W cooling method, Z ventilation, sleeve bearing													
14-pole, 6.3 kV, 50 Hz													
1DK1142-1GH14-0NA2	290	380	63	302	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1NH14-0NA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1XH14-0NA2	320	380	70	334	4281	3050	2955	2160	200	365	1065	1970	1830
1DK1142-2CH14-0NA2	330	450	70	344	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions								Weight
	HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	Ø K mm	kg
1DK1142-1GH14-0NA2	60	200	800	1630	1525	1050	1825	39	22300
1DK1142-1NH14-0NA2	60	200	800	1630	1525	1050	1825	39	23900
1DK1142-1XH14-0NA2	60	200	800	1630	1491	1050	1825	39	26900
1DK1142-2CH14-0NA2	60	200	800	1630	1491	1050	1825	39	27900

Dimensional drawings (continued)

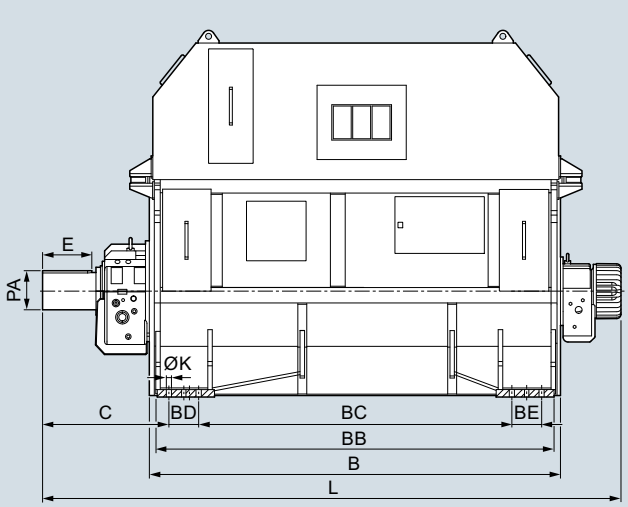


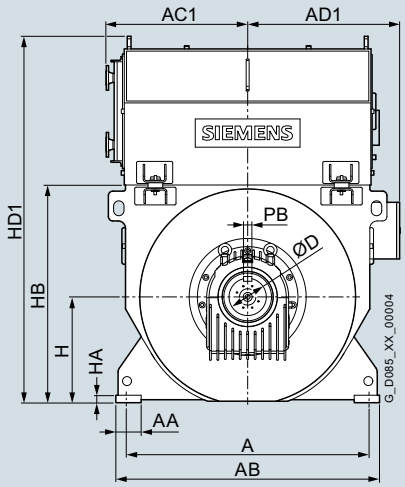


Article No.	Dimensions Ø D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC81W cooling method, Z ventilation, sleeve bearing													
14-pole, 6.6 kV, 60 Hz													
1DK1122-1DK14-0NA2	230	330	50	241	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1JK14-0NA2	240	330	56	252	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1RK14-0NA2	240	330	56	252	3795	2750	2660	2102	200	200	875	1770	1630
1DK1122-1XK14-0NA2	240	330	56	252	3795	2750	2660	2102	200	200	875	1770	1630
1DK1142-1GK14-0NA2	290	380	63	302	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1NK14-0NA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1XK14-0NA2	330	450	70	344	3887	2586	2491	1696	200	365	1135	1970	1830
1DK1142-2CK14-0NA2	330	450	70	344	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	Ø K mm	Weight kg
1DK1122-1DK14-0NA2	50	170	710	1460	2425	940	1020	39	14300
1DK1122-1JK14-0NA2	50	170	710	1460	2425	940	1020	39	15300
1DK1122-1RK14-0NA2	50	170	710	1460	2561	940	1020	39	17400
1DK1122-1XK14-0NA2	50	170	710	1460	2561	940	1020	39	18500
1DK1142-1GK14-0NA2	60	200	800	1630	1525	1050	1825	39	22400
1DK1142-1NK14-0NA2	60	200	800	1630	1525	1050	1825	39	23800
1DK1142-1XK14-0NA2	60	200	800	1630	1525	1050	1825	39	26100
1DK1142-2CK14-0NA2	60	200	800	1630	1491	1050	1825	39	28000

Dimensional drawings (continued)

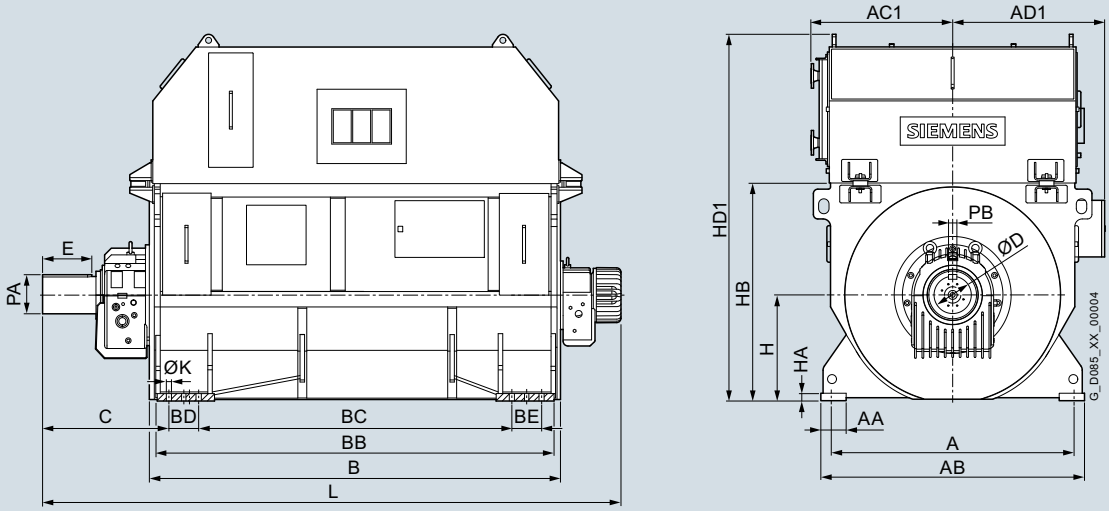




Article No.	Dimensions												
	∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC81W cooling method, Z ventilation, sleeve bearing													
14-pole, 11 kV, 50 Hz													
1DK1142-1GN14-0NA2	290	380	63	302	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1NN14-0NA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1XN14-0NA2	320	380	70	334	4281	3050	2955	2160	200	365	1065	1970	1830
1DK1142-2CN14-0NA2	330	450	70	344	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions								Weight
	HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	kg
1DK1142-1GN14-0NA2	60	200	800	1630	1525	1050	1825	39	22300
1DK1142-1NN14-0NA2	60	200	800	1630	1525	1050	1825	39	23900
1DK1142-1XN14-0NA2	60	200	800	1630	1491	1050	1825	39	26900
1DK1142-2CN14-0NA2	60	200	800	1630	1491	1050	1825	39	27900

Dimensional drawings (continued)



Article No.	Dimensions												
	∅ D mm	E mm	PB mm	PA mm	L mm	B mm	BB mm	BC mm	BD mm	BE mm	C mm	AB mm	A mm
IC81W cooling method, Z ventilation, sleeve bearing													
14-pole, 13.8 kV, 60 Hz													
1DK1122-1DR14-0NA2	230	330	50	241	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1JR14-0NA2	240	330	56	252	3505	2460	2370	1812	200	200	875	1770	1630
1DK1122-1RR14-0NA2	240	330	56	252	3795	2750	2660	2102	200	200	875	1770	1630
1DK1122-1XR14-0NA2	240	330	56	252	3795	2750	2660	2102	200	200	875	1770	1630
1DK1142-1NR14-0NA2	300	380	70	314	3817	2586	2491	1696	200	365	1065	1970	1830
1DK1142-1XR14-0NA2	330	450	70	344	3887	2586	2491	1696	200	365	1135	1970	1830
1DK1142-2CR14-0NA2	330	450	70	344	4351	3050	2955	2160	200	365	1135	1970	1830

Article No. (repeated)	Dimensions								Weight
	HA mm	AA mm	H mm	HB mm	HD_1 mm	AC_1 mm	AD_1 mm	∅ K mm	 kg
1DK1122-1DR14-0NA2	50	170	710	1460	2425	940	1020	39	14300
1DK1122-1JR14-0NA2	50	170	710	1460	2425	940	1020	39	15300
1DK1122-1RR14-0NA2	50	170	710	1460	2561	940	1020	39	17400
1DK1122-1XR14-0NA2	50	170	710	1460	2561	940	1020	39	18500
1DK1142-1NR14-0NA2	60	200	800	1630	1525	1050	1825	39	23800
1DK1142-1XR14-0NA2	60	200	800	1630	1525	1050	1825	39	26100
1DK1142-2CR14-0NA2	60	200	800	1630	1491	1050	1825	39	28000

Notes

Overview

Using the following options, the SIGENTICS M generators can be adapted to order-specific requirements. The Article No. is supplemented with a "-Z" and with either one or several order codes.

Example:

1DT1142-2EK04-0NA2-Z E51 + D16 + P55 + N42

Ordering data:

- Complete Article No. and order code(s).
- If a quotation is available, in addition to the Article No., the quotation number should also be specified.
- When ordering a complete generator as a spare part, please specify the factory serial No. of the previously supplied generator as well as the Article No.

Order code	Option description	Remark
	Documentation	
B43	Document – production schedule, prepared once	
B44	Document – production schedule, updated every 2 weeks	
B45	Document – production schedule, updated monthly	
	Document language	
D00	German	
D54	Czech	
D55	Polish	
D56	Russian	
D57	Japanese	
D62	Danish	
D71	Romanian	
D72	Italian	
D73	Finish	
D74	Dutch	
D75	Turkish	
D76	English	Standard
D77	French	
D78	Spanish	
D79	Portuguese	
D80	Bulgarian	
D81	Norwegian	
D82	Hungarian	
D83	Swedish	
D84	Chinese	
D85	Slovenian	
D86	Greek	
D87	Slovakian	
D88	Estonian	
D89	Latvian	
D90	Lithuanian	
D91	Serbian	
	Direction of rotation	
K97	Rotation clockwise (CW)	
K98	Rotation counter-clockwise (CCW)	
	Terminal box mounting position	
K09	Terminal box on right-hand side, view from DE	Only for 4-pole
K10	Terminal box on left-hand side, view from DE	Only for 4-pole
N84	Terminal box rotated through 90°, cable entry from NDE	Only for 4-pole
	Terminal box, main and auxiliary terminal box	
M50	Auxiliary terminal box coated steel	Standard
M51	Auxiliary terminal box material: Stainless steel	
M52	Separate auxiliary terminal box for anti-condensation heater	

Overview (continued)

Order code	Option description	Remark
	Terminal box – accessories/equipping	
L01	Undrilled cable entry plate on main terminal box	
M59	Multi cable transit (MCT) frame on the main terminal box	
P82	3 voltage transformers for 3-phase sensing, mounted in main terminal box	
P85	3 current transformers for differential protection, mounted in main terminal box	
P93	3 current transformers for differential protection, loose supply	
	Cooling air monitoring	
A44	1 resistance thermometer Pt100 for 3- or 4-wire connection from terminal box for cold air temperature	
A45	1 resistance thermometer Pt100 for 3- or 4-wire connection from terminal box for hot air temperature	
A46	1 double resistance thermometer Pt100 for 3- or 4-wire connection from terminal box, for cold air temperature	
A47	1 double resistance thermometer Pt100 for 3- or 4-wire connection from terminal box, for hot air temperature	
A86	1 dial-type thermometer with 2 NO-Contacts for cold air temperature incl. terminal box	
A87	1 dial-type thermometer with 2 NO-Contacts for hot air temperature incl. terminal box	
	Bearing version/instrumentation	
H09	DIN flange type for forced oil lubrication for oil inlet with flowmeter and throttle valve (incl. counter flange)	
H11	DIN flange type forced oil lubrication for oil outlet with sight glass (incl. counter flange)	
H10	ANSI flange type for forced oil lubrication for oil inlet with flowmeter and throttle valve (incl. counter flange)	
H12	ANSI flange type for forced oil lubrication for oil outlet with sight glass (incl. counter flange)	
L18	Insulated bearing on DE	
L27	Insulated bearing on NDE	Standard
	Bearing monitoring – sleeve bearings	
P62	Bearing housing vibration monitoring, X-direction (1 detector per bearing)	
P63	Provision for bearing housing vibration monitoring (reference plain)	
A02	Shaft vibration monitoring for sleeve bearings, Bently Nevada system	
A39	Prepared for shaft vibration monitoring for sleeve bearings (without monitoring system)	
A41	2 resistance thermometers Pt100 for 3- or 4-wire connection from terminals for sleeve bearing	Standard for sleeve bearing
A43	2 double resistance thermometers Pt100 for 3- or 4-wire connection from terminals for sleeve bearing	
	Bearing monitoring – anti-friction bearings	
A40	2 resistance thermometers Pt100 for 2-, 3- or 4-wire connection from terminal box for anti-friction bearings	Standard for anti-friction bearing
A42	2 double resistance thermometers Pt100 for 2-, 3- or 4-wire connection from terminals for anti-friction bearings	
G50	Shock pulse measuring nipple (SPM) at DE and NDE	
H05	Pulse monitoring (SPM), fixed sensor and junction box	
	Heat exchangers	
P51	Single tube, air-water heat exchanger, CuNi90/10 tubes	Standard for IC81W cooling
P55	Double tube, air-water heat exchanger, CuNi90/10 tubes	
Q20	2 × single tube, air-water heat exchanger, CuNi90/10 tubes (66 % of rated output with 1 cooler element failure)	
P34	Bleeder and breather vents	Standard for IC81W cooling
P57	Pressure relief valve at the cooler	
H08	Water leakage detection - dry contact type	
P60	Water leakage detection - floating type	
N35	Emergency windows for cooler failure (with 80 % power)	

Overview (continued)

Order code	Option description	Remark
	Mechanical versions	
V65	Forged flange type shaft end	Only for 4-pole
	Others/additional options	
A05	Earthing brush	
Y86	IM1101 elevated feet - custom feet position (an inquiry must be sent to the factory)	
K48	Degree of protection IP54	Standard for IC81W and IC616 cooling
K49	Degree of protection IP55	
L17	Mounting a coupling provided (finish machined and balanced)	
L31	Generator mounting materials for mounting on a steel foundation: Bolts, shims and taper dowels	
L32	Generator mounting materials for mounting on a concrete foundation or concrete base: Threaded bolts, armature plates, sole plates, shims and taper dowels	
L33	Generator mounting materials to mount on a concrete foundation or concrete base: T-head bolts, foundation bolt sleeves, sole plates, shims and taper dowels	
	Paintwork	
K24	Primer only	
K25	Standard paint finish in RAL 7030	
K26	Special paint finish in RAL 7030	
Y53	Standard paint finish in a color different from RAL 7030	
Y54	Special paint finish in a color different from RAL 7030	
	Anti-condensation heating	
L08	Anti-condensation heater, rated voltage 400 V	
L09	Anti-condensation heater, rated voltage 500 V	
M12	Anti-condensation heater for 110 to 120 V	
M13	Anti-condensation heater for 220 to 240 V	
	Ambient conditions	
D11	Ambient temperature 45 °C	
D12	Ambient temperature 50 °C	
D13	Ambient temperature 55 °C	
D14	Ambient temperature 60 °C	
D15	Cooling water temperature 30 °C	
D16	Cooling water temperature 35 °C	
D17	Cooling water temperature 40 °C	
D06	Elevation of the installation site, 1500 m above sea level	
D07	Elevation of the installation site, 2000 m above sea level	
E81	Outdoor use with high salinity or offshore applications (corrosivity grade C5-M/ C5-I)	
E83	Outdoor use with low salinity (corrosivity grade C3)	Standard
	Winding and motor protection	
A54	6 embedded resistance thermometers Pt100 for 3- or 4-wire connection from terminal box	Standard

Overview (continued)

Order code	Option description	Remark
	Tests without acceptance	
F00	All standard tests (routine test), without acceptance	Standard
F22	Measurement of dielectric loss factor (tan d) on single coils, without acceptance	
F26	Measurement of dielectric loss factor (tan d) on windings, without acceptance	
F28	Noise test at no load, without acceptance	
F36	Determination of moment of inertia, without acceptance	
F42	Conformance test (Wet test), without acceptance	
F46	Partial discharge test, without acceptance	
F54	Measurement of the polarization index, without acceptance	
F56	Measurement of shaft vibrations, without acceptance	
F58	Vibration analysis, without acceptance	
F60	Destructive tests of 2 coils, without acceptance	
F70	Ultrasonic test on shaft, without acceptance	
F72	Magnetization test of laminated core, without acceptance	
F76	Magnetic particle testing of shaft, without acceptance	
F77	Paint quality check, without acceptance	
F78	Magnetic particle testing of housing, without acceptance	
F82	Type test, without acceptance	
F86	Run out measurement, without acceptance	
	Tests with acceptance	
F01	Routine test, with acceptance	
F03	Visual inspection, with acceptance	
F23	Measurement of dielectric loss factor (tan d) on single coils, with acceptance	
F27	Measurement of dielectric loss factor (tan d) on windings, with acceptance	
F29	Noise test at no load, with acceptance	
F37	Determination of moment of inertia, with acceptance	
F43	Conformance test (Wet test), with acceptance	
F47	Partial discharge test, with acceptance	
F55	Measurement of the polarization index, with acceptance	
F57	Measurement of shaft vibrations, with acceptance	
F61	Destructive tests of 2 coils, with acceptance	
F71	Rotor balancing, with acceptance	
F73	Magnetization test of laminated core, with acceptance	
F79	Check of packing by client or 3rd party inspector	
F83	Type test, with acceptance	
	Ship certification	
E11	Generator for marine applications class by Germanischer Lloyd (GL)	
E21	Generator for marine applications class by Lloyds Registry of Shipping (LRS)	
E31	Generator for marine applications class by Bureau Veritas (BV)	
E51	Generator for marine applications class by Det Norske Veritas (DNV)	
E61	Generator for marine applications class by American Bureau of shipping (ABS)	
E71	Generator for marine applications class by China Classification Society (CCS)	
	Voltage regulator and excitation	
N41	Voltage regulator DECS150	
N42	Voltage regulator DECS250 (loose part)	
N43	Voltage regulator DECS250 (with separate IP44 cubicle)	
N44	Diode failure monitoring module for DECS150 (EDM200)	
N45	Transmitter 4 to 20 mA for excitation current	

Notes

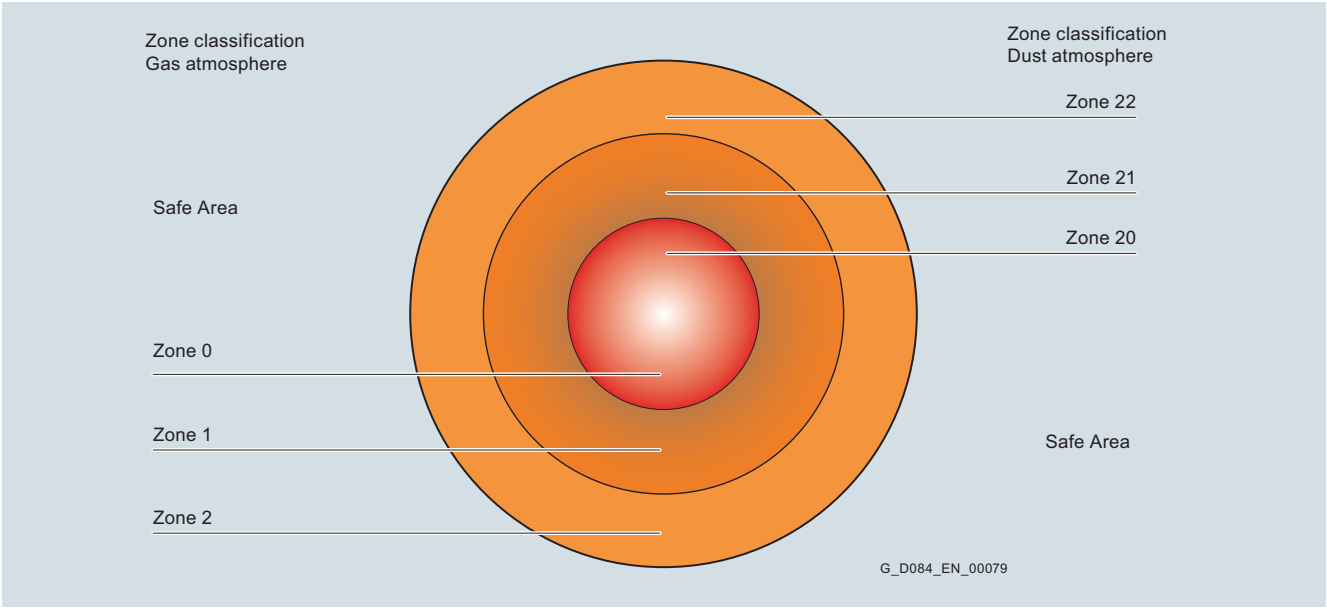
Overview

In many industries, the manufacture, processing, transport or storage of combustible materials results in the creation or release of gases, vapors or mist into the environment. Combustible dusts are created in other processes.

Explosive atmospheres are formed when gases, vapors, mist or dust come into contact with oxygen in the air. If ignited, this can result in an explosion. In the chemical and petrochemical industries in particular, when crude oil and natural gas are transported, or in mining, milling (e.g. grain and granular solids), this can result in serious injury to personnel and damage to equipment.

To ensure maximum safety in these areas, legislators in most countries have implemented appropriate stipulations in the form of laws and regulations based on national and international standards.

Hazardous areas are classified in zones. Classification in zones depends on the probability of the presence of an explosive atmosphere, the duration and the location. Information and specifications regarding classification in zones are provided in IEC/EN 60079-10-1 for gas atmospheres and in IEC/EN 60079-10-2 for potentially explosive atmospheres as a result of dust. Further, a distinction is made between various explosion groups as well as temperature classes and these are included in the hazard assessment.



Depending on the particular zone and therefore the associated hazard, operating equipment must comply with defined minimum requirements regarding the type of protection. The different types of protection require corresponding measures to prevent ignition that should be implemented at the generator in order to prevent that a surrounding explosive atmosphere is ignited.

Overview

Note

SIGENTICS M generators for hazardous areas are available on request only.

Generators for use in hazardous areas are certified according to the EC Directive 2014/34/EU (ATEX) or other regional certification schemes and are marked according to the following schematic.

Description	**Acc. to Directive 2014/34/EU (ATEX)**						**Acc. to Standards (IEC/EN)**				
Example, pressurized enclosure:	**CE**	**XXXX**		**II**	**2**	**G**	**Ex**	**pxb**	**II**	**T3**	**X**
CE marking											
Number of the certifying "notified body"											
Ex symbol for explosion protected equipment											
Groups: • I = mining • II = other than mining											
Category: • 2 (Zone 1/21) • 3 (Zone 2/22)											
Explosive atmosphere • G = gas • D = dust											
Explosion protected equipment											
Types of protection ec, pxb, pzb available on request!											
Explosion group, where relevant, restricted (Gas: IIA, IIB, IIC; Dust: IIIA, IIIB, IIIC)											
Temperature class with max. surface temperature • T1 ≤ 450 °C • T2 ≤ 300 °C • T3 ≤ 200 °C (standard for generators from Siemens PD LD AP) • T4 ≤ 135 °C Alternatively the maximum surface temperature may be marked: e.g. T125 °C (possible for gas, necessary for dust explosion protected machines)											
Special conditions according to the operating instructions or type examination certificate											

Overview

Zone		Zone definition acc. to		
Dust[1)]	**Gas[2)]**	**IEC/EN 60079-10-1 for Gas atmospheres IEC/EN 60079-10-2 for dust atmospheres**	**Assigned types of protection**	**Category according to 94/9/EC**
–	2	An area in which in normal operation it is not expected that an explosive gas atmosphere occurs and if so, only infrequently and only briefly.	Ex ec, Ex pzb	3G
–	1	An area in which it is expected that an explosive gas atmosphere occurs during normal operation.	Ex pxb	2G

Type of protection, pressurized enclosure Ex pxb acc. to IEC/EN 60079-2

In the generator, protective gas is kept under pressure in relation to the surrounding atmosphere to prevent the penetration of explosive atmospheres. The inside of the generator must be flushed with an protective gas before it is switched on.

Type of protection, Ex ec acc. to IEC/EN 60079-7

The type of protection Ex nA ensures that a generator in normal operation as well as when operated under deviating conditions as specified in the standard is not in a position to ignite a surrounding explosive gas atmosphere.

[1)] Industrial generators for dust zones are not available.

[2)] Generators for Zone 1 may also be used in Zone 2.

Overview

The SIGENTICS series in a marine version has been designed for below-deck operation on ships and platforms and for offshore applications.

The generators onboard ships are subdivided into categories, depending on the field of application:

- **Diesel-electric propulsion** or **main power supply** for electric propulsion motors and thrusters
- **Diesel-electric auxiliary** power supply
- **Shaft generator** – connected either directly or non-directly through gearbox to the vessel shaft, also PTI/PTO solution.
- **Emergency generator** – comes into action when main power is lost. Blackout start-up condition must be ensured.

As the assignment of a generator to one of the categories has a direct impact on the scope of the marine options, this must be known when ordering the generator.

Further, the vessel's hull number and shipyard name must be given to the factory with the purchase order for a timely begin of the certification process.

Bearings

Generators are equipped with sleeve bearings. Major criterion for selecting the proper bearing and lube oil system is the inclination of the vessel.

Note: The crankshaft of the engine might create additional axial forces that need to be taken into consideration together with the inclinations. This might result in the need of larger bearings or more effective cooling of the bearings.

Inclinations

List of available inclination categories

	Static	Dynamic
Standard vessel inclination	Athwart: ±15° Fore/Aft: ±5°	Athwart:±22,5° Fore/Aft: ±7,5°
Emergency vessel inclination	Athwart: ±22,5° Fore/Aft: ±10°	Athwart:±22,5° Fore/Aft: ±10°
Standard platform inclination	±15°	±25°
Emergency platform inclination	±25°	±25°

The generator axis is always parallel to the axis of the ship.

Individual acceptance by classification society

The generator is assigned an individual certificate of the classification society – acceptance test certificate 3.2 according to EN10204.

When stipulated by the classification society rules, a stamp of the classification society is attached to the enclosure rating plate and shaft.

List of available classification authorities

Society	Abbreviation	Location
American Bureau Of Shipping	ABS	USA
Bureau Veritas	BV	France
China Classification Society	CCS	China
Det Norske Veritas – Germanischer Lloyd	DNV GL	Norway/Germany
Korean Register	KR	Korea
Lloyds Register	LR	UK
Registro Italiano Navale	RINA	Italy
Russian Maritime Register of Shipping	RMRS	Russia

Overload

The robust design of the machines allows a certain electrical overload. Without any damage to the winding, the generators can be overloaded by stator current up to 150 % of the nominal current value and up to 2 minutes.

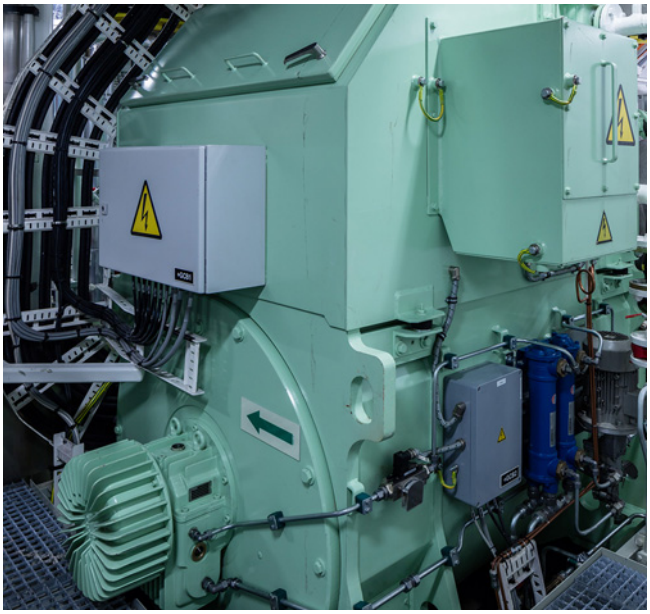
Constant short-circuit current

To ensure a correct function of protection devices, the generator is able to supply a "short-circuit" current, the value of which is triple of the nominal current. This current must be disconnected by the means of a protective system within three seconds at the latest.

Design types

1D generators are manufactured as two-bearing, designed according to IM1101, IM1001 or single-bearing respectively. Other design on request. Axial height and connection dimensions are variable dependent of the design type. Generator feet positions can be adapted to the engine manufacturers' requirements.

Overview



Degree of protection and cooling

The basic types of generators are designed according to IP44 (IP54, IP55) and IP23. 1D generators can be delivered with IC01 cooling using the surrounding air from the local environment with protection IP23.

In case of water cooling (IC81W) with degree of protection IP44 (IP54, IP55) the cooling elements are located on top of the machine and are of double tube design.

For heat exchanger water leakages, an emergency mode is optionally available (reduction of degree of protection to IP21). If the ambient conditions require it, generators using open-circuit air cooling can be fitted with air-intake filters.

Cooling water quality

Air-to-water heat exchangers are suitable for both fresh and sea cooling water.

Certification company	Ambient temperature	Temperature class B						Temperature class F					
		Stator				Salient pole rotor	Cylindrical rotor	Stator				Salient pole rotor	Cylindrical rotor
		< 5000 kVA		≥ 5000 kVA				< 5000 kVA		≥ 5000 kVA			
		R [1]	ETD [2]	R [1]	ETD [2]	R [1]	R [1]	R [1]	ETD [2]	R [1]	ETD [2]	R [1]	R [1]
	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
ABS	50	120	130	120	125	120	130	145	150	140	145	145	150
BV	45	120	130	120	125	120	130	145	150	140	145	145	150
CCS	45	120	130	120	125	120	130	145	150	140	145	145	150
DNV GL	45	120	130	120	125	120	130	145	150	140	145	145	150
LRS	45	115	125	115	120	115	125	140	145	135	140	140	145
RINA	45	120	130	120	125	120	130	145	155	145	150	145	150

Options for marine motors

Order code	Option description	Remark
	Ship certification	
E11	Generator for marine applications class by Germanischer Lloyd (GL)	
E21	Generator for marine applications class by Lloyds Registry of Shipping (LRS)	
E31	Generator for marine applications class by Bureau Veritas (BV)	
E51	Generator for marine applications class by Det Norske Veritas (DNV)	
E61	Generator for marine applications class by American Bureau of shipping (ABS)	
E71	Generator for marine applications class by China Classification Society (CCS)	

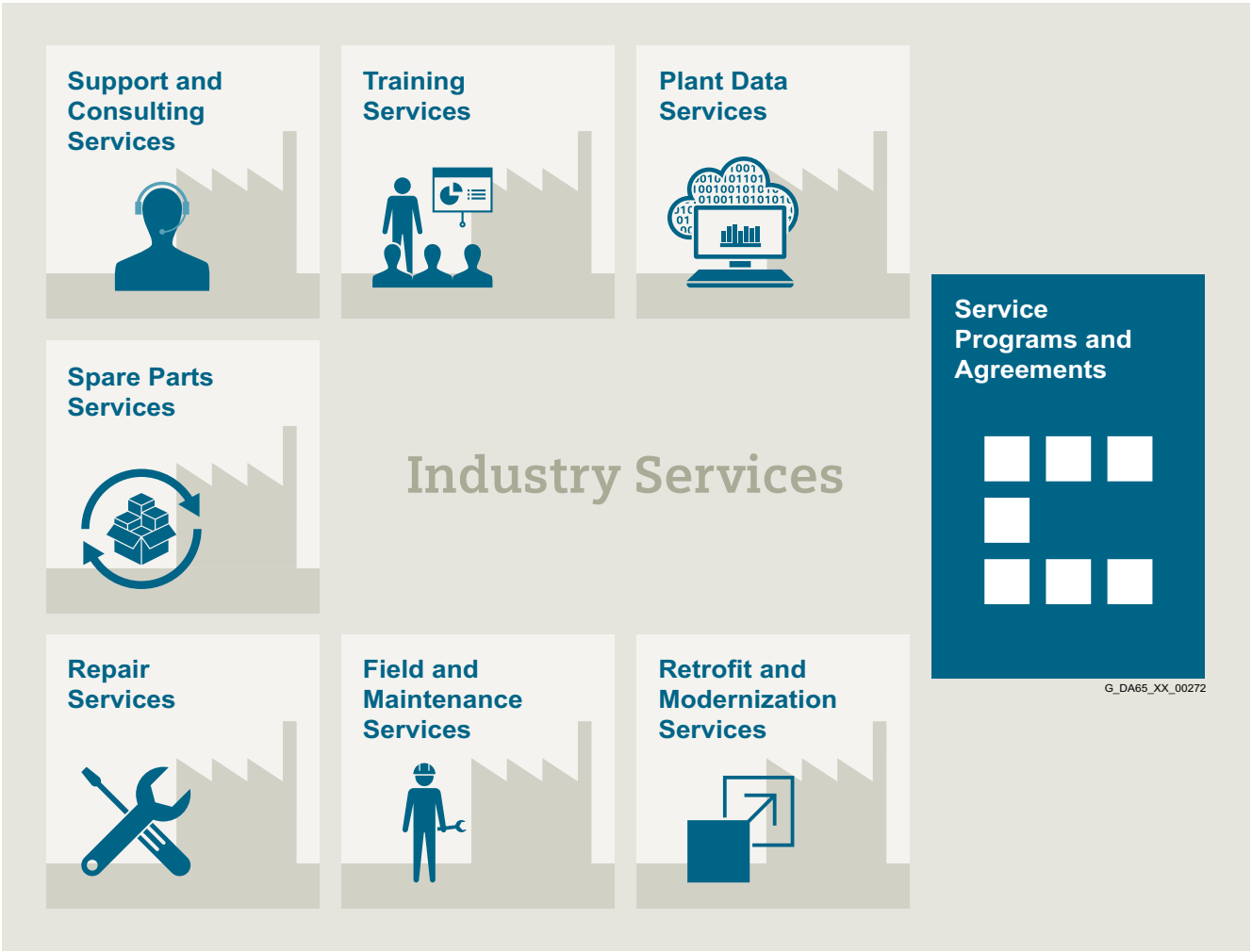
[1] Determination via resistance
[2] Determination via embedded temperature detector

Notes

Service Programs and Agreements

Overview

Unleash potential – with services from Siemens



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Optimizing the productivity of your equipment and operations can be a challenge, especially with constantly changing market conditions. Working with our service experts makes it easier. We understand your industry's unique processes and provide the services needed so that you can better achieve your business goals.

You can count on us to maximize your uptime and minimize your downtime, increasing your operations' productivity and reliability. When your operations have to be changed quickly to meet a new demand or business opportunity, our services give you the flexibility to adapt. Of course, we take care that your production is protected against cyber threats. We assist in keeping your operations as energy and resource efficient as possible and reducing your total cost of ownership. As a trendsetter, we ensure that you can capitalize on the opportunities of digitalization and by applying data analytics to enhance decision making: You can be sure that your plant reaches its full potential and retains this over the longer lifespan.

You can rely on our highly dedicated team of engineers, technicians and specialists to deliver the services you need – safely, professionally and in compliance with all regulations. We are there for you, where you need us, when you need us.

Overview

Plant Data Services

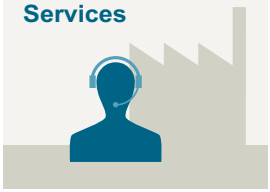
Make your industrial processes transparent to gain improvements in productivity, asset availability, and energy efficiency.

Production data is generated, filtered and translated with intelligent analytics to enhance decision-making.

This is done whilst taking data security into consideration and with continuous protection against cyber attack threats.

www.industry.siemens.com/services/global/en/portfolio/plant-data-services/Pages/index.aspx

Support and Consulting Services



Industry Online Support site for comprehensive information, application examples, FAQs and support requests.

Technical and Engineering Support for advice and answers for all inquiries about functionality, handling, and fault clearance.

Information & Consulting Services, e.g. SIMATIC System Audit; clarity about the state and service capability of your automation system or Lifecycle Information Services; transparency on the lifecycle of the products in your plants.

www.industry.siemens.com/services/global/en/portfolio/support-consulting/Pages/index.aspx

Training Services

From the basics and advanced to specialist skills, SITRAIN courses provide expertise right from the manufacturer – and encompass the entire spectrum of Siemens products and systems for the industry.

Worldwide, SITRAIN courses are available wherever you need a training course in more than 170 locations in over 60 countries.

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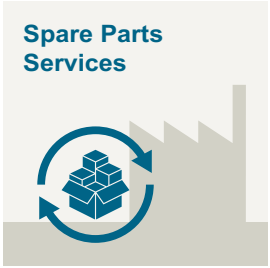
Spare Parts Services



Are available worldwide for smooth and fast supply of spare parts – and thus optimal plant availability. Genuine spare parts are available for up to ten years. Logistic experts take care of procurement, transport, custom clearance, storage and order management. Reliable logistics processes ensure that components reach their destination as needed.

Asset optimization services help you design a strategy for parts supply where your investment and carrying costs are reduced and the risk of obsolescence is avoided.

www.industry.siemens.com/services/global/en/portfolio/spare_parts/Pages/index.aspx

Overview (continued)

Are offered on-site and in regional repair centers for fast restoration of faulty devices' functionality.

Also available are extended repair services, which include additional diagnostic and repair measures, as well as emergency services.

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Provide a cost-effective solution for the expansion of entire plants, optimization of systems or upgrading existing products to the latest technology and software, e.g. migration services for automation systems.

Service experts support projects from planning through commissioning and, if desired over the entire extended lifespan, e.g. Retrofit for Integrated Drive Systems for an extended lifetime of your machines and plants

www.industry.siemens.com/services/global/en/portfolio/retrofit-modernization/Pages/index.aspx

Siemens specialists are available globally to provide expert field and maintenance services, including commissioning, functional testing, preventive maintenance and fault clearance.
All services can be included in customized service agreements with defined reaction times or fixed maintenance intervals.

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A technical Service Program or Agreement enables you to easily bundle a wide range of services into a single annual or multi-year agreement.

You pick the services you need to match your unique requirements or fill gaps in your organization's maintenance capabilities.
Programs and agreements can be customized as KPI-based and/or performance-based contracts.

www.industry.siemens.com/services/global/en/portfolio/service_programs/Pages/index.aspx

Overview

Online Support is a comprehensive information system for all questions relating to products, systems, and solutions that Siemens has developed for industry over time. With more than 300,000 documents, examples and tools, it offers users of automation and drive technology a way to quickly find up-to-date information. The 24-hour service enables direct, central access to detailed product information as well as numerous solution examples for programming, configuration and application.

The content, in six languages, is increasingly multimedia-based – and now also available as a mobile app. Online support's "Technical Forum" offers users the opportunity to share information with each other. The "Support Request" option can be used to contact Siemens' technical support experts.
The latest content, software updates, and news via newsletters and Twitter ensure that industry users are always up to date.

www.siemens.com/industry/onlinesupport

Online Support App

Using the Online Support app, you can access over 300,000 documents covering all Siemens industrial products – anywhere, any time. Regardless of whether you need help implementing your project, fault-finding, expanding your system or are planning a new machine.

You have access to FAQs, manuals, certificates, characteristic curves, application examples, product notices (e.g. announcements of new products) and information on successor products in the event that a product is discontinued.

Just scan the product code printed on the product directly using the camera of your mobile device to immediately see all technical information available on this product at a glance.
The graphical CAx information (3D model, circuit diagrams or EPLAN macros) is also displayed. You can forward this information to your workplace using the e-mail function.

The search function retrieves product information and articles and supports you with a personalized suggestion list. You can find your favorite pages – articles you need frequently – under "mySupport". You also receive selected news on new functions, important articles or events in the News section.

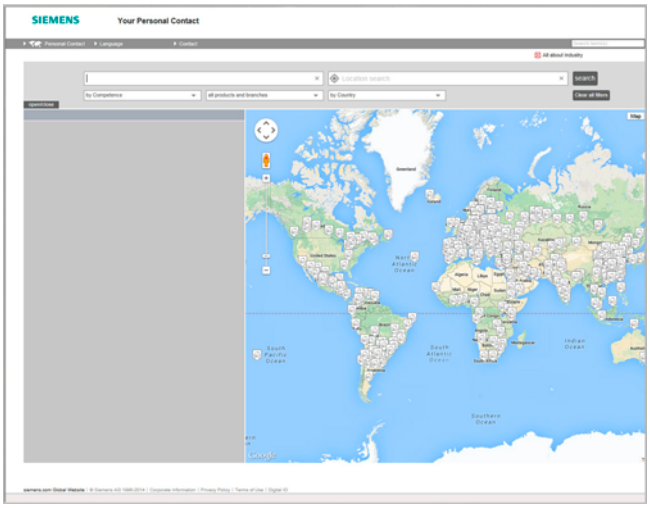
Scan the QR code for information on our Online Support app.

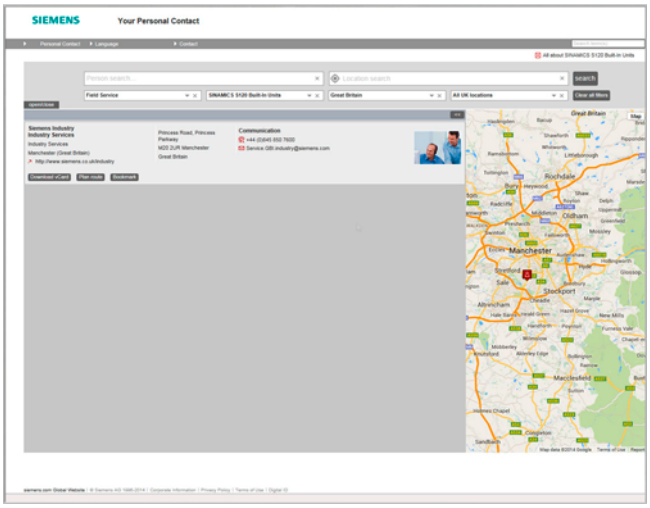
The app is available free of charge from the Apple App Store (iOS) or from Google Play (Android).

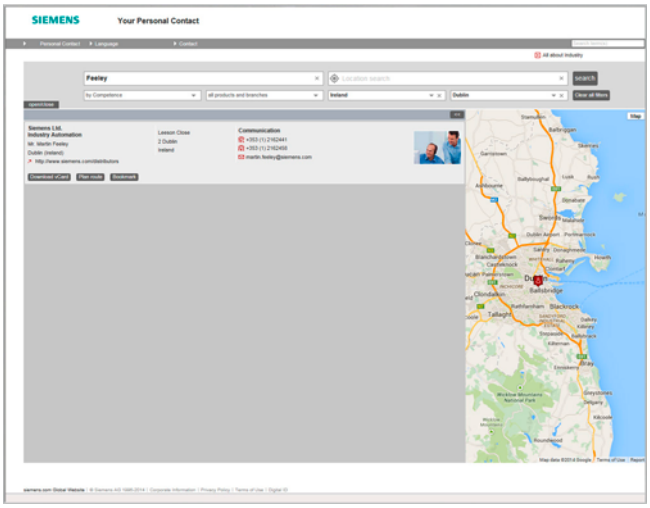
https://support.industry.siemens.com/cs/ww/en/sc/2067

Notes

Appendix







At Siemens we are resolutely pursuing the same goal: long-term improvement of your competitive ability.
We are committed to this goal. Thanks to our commitment, we continue to set new standards in automation and drive technology. In all industries – worldwide.

At your service locally, around the globe for consulting, sales, training, service, support, spare parts on the entire portfolio of Digital Factory and Process Industries and Drives.

Your partner can be found in our Personal Contacts Database at:
www.siemens.com/automation-contact

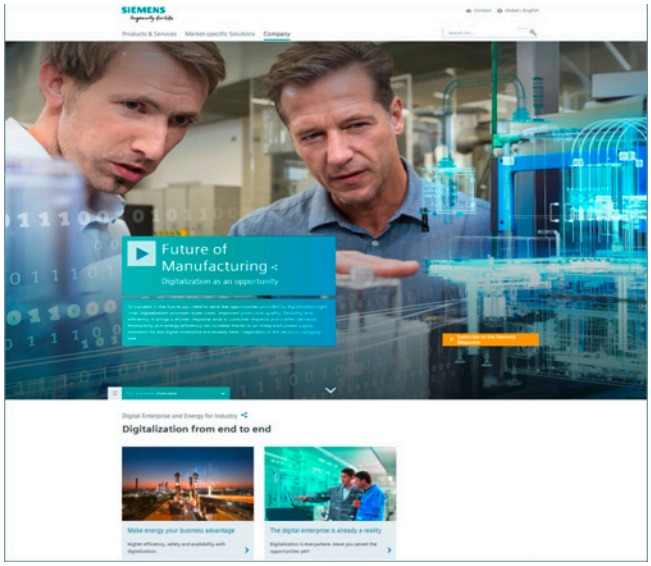
You start by selecting

- the required competence,
- products and branches,
- a country,
- a city

or by a

- location search or
- person search.

The Future of Manufacturing on the Internet



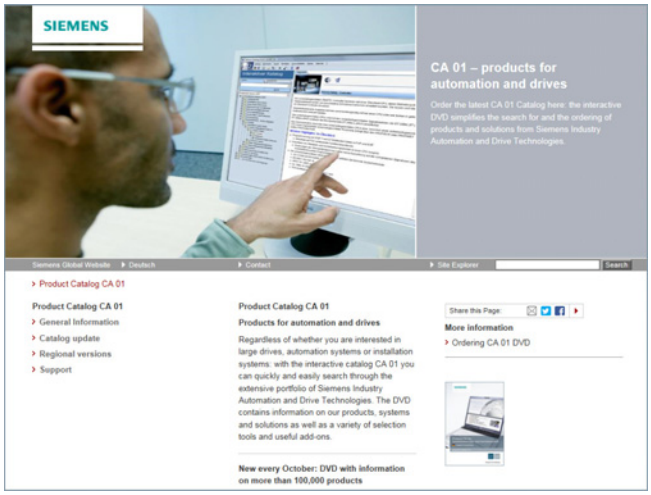
Detailed knowledge of the range of products and services available is essential when planning and engineering automation systems. It goes without saying that this information must always be as up-to-date as possible.

Industry is on the threshold of the fourth industrial revolution as digitization now follows after the automation of production. The goals are to increase productivity and efficiency, speed, and quality. In this way, companies can remain competitive on the path to the future of industry.

You will find everything you need to know about products, systems and services on the internet at:

www.siemens.com/industry

Product Selection Using the Interactive CA 01 Automation and Drives Catalog



Detailed information together with user-friendly interactive functions:
The CA 01 interactive catalog covers more than 100,000 products, thus providing a comprehensive overview of the product range provided by Siemens.

You will find everything you need here for solving tasks in the fields of automation, switching, installation and drives.
All information is provided over a user interface that is both user-friendly and intuitive.

You can order the CA 01 product catalog from your Siemens sales contact or in the Information and Download Center:

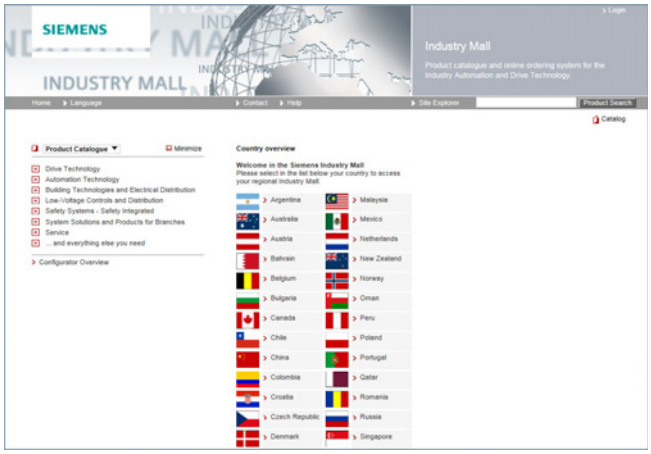
www.siemens.com/industry/infocenter

Information about the CA 01 interactive catalog can be found on the Internet at:

www.siemens.com/automation/ca01

or on DVD.

Easy Shopping with the Industry Mall



The Industry Mall is the electronic ordering platform of Siemens AG on the Internet. Here you have online access to a huge range of products presented in an informative and attractive way.

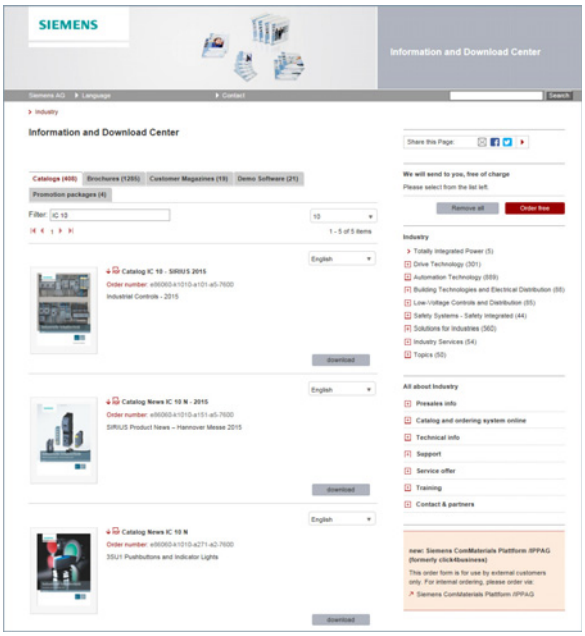
Data transfer via EDIFACT allows the whole procedure, from selection through ordering to tracking and tracing, to be carried out online. Availability checks, customer-specific discounts and bid creation are also possible.

Numerous additional functions are provided for your support. For example, powerful search functions make it easy to select the required products. Configurators enable you to configure complex product and system components quickly and easily. CAx data types are also provided here.

You can find the Industry Mall on the Internet at:

www.siemens.com/industrymall

Downloading Catalogs



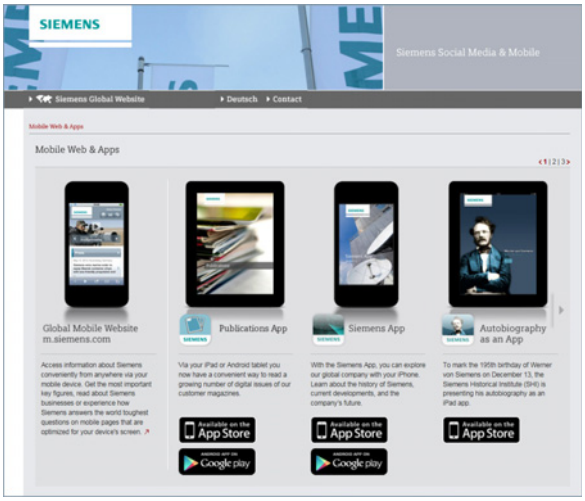
In addition to numerous other useful documents, you can also find the catalogs listed on the back inside cover of this catalog in the Information and Download Center. You can download these catalogs in PDF format without having to register.

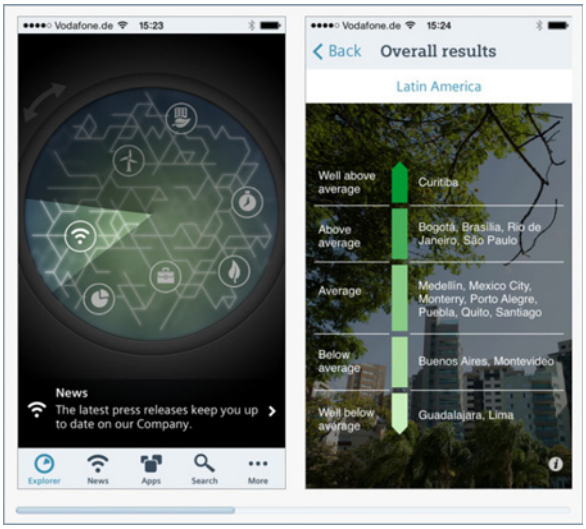
The filter dialog above the first catalog displayed makes it possible to carry out targeted searches. If you enter "MD 3" for example, you will find both the MD 30.1 and MD 31.1 catalogs. If you enter "IC 10", both the IC 10 catalog and the associated news or add-ons are displayed.

Visit us at:

www.siemens.com/industry/infocenter

Social and Mobile Media





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To find out more about Siemens' current social media activities, visit us at:

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Or via our product pages at:

www.siemens.com/automation or www.siemens.com/drives

Here you can read all the news on the future of the industry, watch current videos and obtain information about all the latest industry developments.

www.siemens.com/future-of-manufacturing

Discover the world of Siemens.

We are also constantly expanding our offering of cross-platform apps for smartphones and tablets. You will find the current Siemens apps at the App Store (iOS) or at Google Play (Android):

https://itunes.apple.com/en/app/siemens/id452698392?mt=8

https://play.google.com/store/search?q=siemens

The Siemens app, for example, tells you all about the history, latest developments and future plans of the company – with informative pictures, fascinating reports and the most recent press releases.

Notes

Notes

1. General Provisions

By using this catalog you can acquire hardware and software products described therein from Siemens AG subject to the following Terms and Conditions of Sale and Delivery (hereinafter referred to as "T&C"). Please note that the scope, the quality and the conditions for supplies and services, including software products, by any Siemens entity having a registered office outside Germany, shall be subject exclusively to the General Terms and Conditions of the respective Siemens entity. The following T&C apply exclusively for orders placed with Siemens Aktiengesellschaft, Germany.

1.1 For customers with a seat or registered office in Germany

For customers with a seat or registered office in Germany, the following applies subordinate to the T&C:

- the "General Terms of Payment"[1)] and,
- for software products, the "General License Conditions for Software Products for Automation and Drives for Customers with a Seat or Registered Office in Germany"[1)] and,
- for other supplies and services, the "General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry"[1)].

1.2 For customers with a seat or registered office outside Germany

For customers with a seat or registered office outside Germany, the following applies subordinate to the T&C:

- the "General Terms of Payment"[1)] and,
- for software products, the "General License Conditions for Software Products for Automation and Drives for Customers with a Seat or Registered Office outside of Germany"[1)] and
- for other supplies and/or services, the "General Conditions for Supplies of Siemens Industry for Customers with a Seat or Registered Office outside of Germany"[1)].

2. Prices

The prices are in € (Euro) ex point of delivery, exclusive of packaging.

The sales tax (value added tax) is not included in the prices. It shall be charged separately at the respective rate according to the applicable statutory legal regulations.

Prices are subject to change without prior notice. We will charget the prices valid at the time of delivery.

To compensate for variations in the price of raw materials (e.g. silver, copper, aluminum, lead, gold, dysprosium and neodym), surcharges are calculated on a daily basis using the so-called metal factor for products containing these raw materials. A surcharge for the respective raw material is calculated as a supplement to the price of a product if the basic official price of the raw material in question is exceeded.

The metal factor of a product indicates the basic official price (for those raw materials concerned) as of which the surcharges on the price of the product are applied, and with what method of calculation.

An exact explanation of the metal factor can be downloaded at:

www.siemens.com/automation/salesmaterial-as/catalog/en/terms_of_trade_en.pdf

To calculate the surcharge (except in the cases of dysprosium and neodym), the official price from the day prior to that on which the order was received or the release order was effected is used.

To calculate the surcharge applicable to dysprosium and neodym ("rare earths"), the corresponding three-month basic average price in the quarter prior to that in which the order was received or the release order was effected is used with a one-month buffer (details on the calculation can be found in the explanation of the metal factor).

3. Additional Terms and Conditions

The dimensions are in mm. In Germany, according to the German law on units in measuring technology, data in inches apply only to devices for export.

Illustrations are not binding.

Insofar as there are no remarks on the individual pages of this catalog - especially with regard to data, dimensions and weights given - these are subject to change without prior notice.

4. Export regulations

We shall not be obligated to fulfill any agreement if such fulfillment is prevented by any impediments arising out of national or international foreign trade or customs requirements or any embargoes and/or other sanctions.

Export of goods listed in this catalog may be subject to licensing requirements. We will indicate in the delivery details whether licenses are required under German, European and US export lists. Goods labeled with "AL" not equal to "N" are subject to European or German export authorization when being exported out of the EU. Goods labeled with "ECCN" not equal to "N" are subject to US re-export authorization.

The export indications can be viewed in advance in the description of the respective goods on the Industry Mall, our online catalog system. Only the export labels "AL" and "ECCN" indicated on order confirmations, delivery notes and invoices are authoritative.

Even without a label, or with label "AL:N" or "ECCN:N", authorization may be required i .a. due to the final disposition and intended use of goods.

If you transfer goods (hardware and/or software and/or technology as well as corresponding documentation, regardless of the mode of provision) delivered by us or works and services (including all kinds of technical support) performed by us to a third party worldwide, you must comply with all applicable national and international (re-)export control regulations.

If required for the purpose of conducting export control checks, you (upon request by us) shall promptly provide us with all information pertaining to the particular end customer, final disposition and intended use of goods delivered by us respectively works and services provided by us, as well as to any export control restrictions existing in this relation.

The products listed in this catalog may be subject to European/German and/or US export regulations. Any export requiring approval is therefore subject to authorization by the relevant authorities.

Errors excepted and subject to change without prior notice.

1) The text of the Terms and Conditions of Siemens AG can be downloaded at
www.siemens.com/automation/salesmaterial-as/catalog/en/terms_of_trade_en.pdf

Catalogs

Digital Factory, Process Industries and Drives and Energy Management

Further information can be obtained from our branch offices listed at www.siemens.com/automation-contact

Interactive Catalog on DVD	*Catalog*
Products for Automation and Drives	**CA 01**

Building Control	
GAMMA Building Control	ET G1

Drive Systems	
SINAMICS G130 Drive Converter Chassis Units SINAMICS G150 Drive Converter Cabinet Units	D 11
SINAMICS GM150, SINAMICS SM150 Medium-Voltage Converters	D 12
SINAMICS PERFECT HARMONY GH180 Medium-Voltage Air-Cooled Drives (Germany Edition)	D 15.1
SINAMICS G180 Converters – Compact Units, Cabinet Systems, Cabinet Units Air-Cooled and Liquid-Cooled	D 18.1
SINAMICS S120 Chassis Format Units and Cabinet Modules SINAMICS S150 Converter Cabinet Units	D 21.3
SINAMICS S120 and SIMOTICS	D 21.4
SINAMICS DCM DC Converter, Control Module	D 23.1
SINAMICS Inverters for Single-Axis Drives and SIMOTICS Motors	D 31
Digital: SINAMICS G120P and SINAMICS G120P Cabinet pump, fan, compressor converters	*D 35*
LOHER VARIO High Voltage Motors Flameproof, Type Series 1PS4, 1PS5, 1MV4 and 1MV5 Frame Size 355 to 1000, Power Range 80 to 7100 kW	D 83.2
Three-Phase Induction Motors SIMOTICS HV, SIMOTICS TN	D 84.1
High Voltage Three-phase Induction Motors SIMOTICS HV Series A-compact PLUS	D 84.9
Digital: Modular Industrial Generators SIGENTICS M	*D 85.1*
Three-Phase Induction Motors SIMOTICS HV, Series H-compact	D 86.1
Synchronous Motors with Permanent-Magnet Technology, HT-direct	D 86.2
DC Motors	DA 12
SIMOREG DC MASTER 6RA70 Digital Chassis Converters	DA 21.1
SIMOREG K 6RA22 Analog Chassis Converters	DA 21.2
Digital: SIMOREG DC MASTER 6RM70 Digital Converter Cabinet Units	*DA 22*
SIMOVERT PM Modular Converter Systems	DA 45
MICROMASTER 420/430/440 Inverters	DA 51.2
MICROMASTER 411/COMBIMASTER 411	DA 51.3
Low-Voltage Three-Phase-Motors	
SIMOTOCS S-1FG1 Servo geared motors	D 41
SIMOTICS Low-Voltage Motors	D 81.1
SIMOTICS FD Low-Voltage Motors	D 81.8
LOHER Low-Voltage Motors	D 83.1
Digital: MOTOX Geared Motors	*D 87.1*
SIMOGEAR Geared Motors	MD 50.1
SIMOGEAR Electric-monorail geared motors Light-load and heavy-load applications	MD 50.8
SIMOGEAR Gearboxes with adapter	MD 50.11
Mechanical Driving Machines	
FLENDER Standard Couplings	MD 10.1
FLENDER High Performance Couplings	MD 10.2
FLENDER Backlash-free Couplings	MD 10.3
FLENDER SIP Standard industrial planetary gear units	MD 31.1

Process Instrumentation and Analytics	
Digital: Field Instruments for Process Automation	*FI 01*
Digital: Display Recorders SIREC D	*MP 20*
Digital: SIPART Controllers and Software	*MP 31*
Products for Weighing Technology	WT 10
Process Analytical Instruments	AP 01
Digital: Process Analytics, Components for Continuous Emission Monitoring	*AP 11*

Low-Voltage Power Distribution and Electrical Installation Technology	*Catalog*
SENTRON · SIVACON · ALPHA Protection, Switching, Measuring and Monitoring Devices, Switchboards and Distribution Systems	LV 10
Standards-Compliant Components for Photovoltaic Plants	LV 11
Electrical Components for the Railway Industry	LV 12
Power Monitoring Made Simple	LV 14
Components for Industrial Control Panels according to UL Standards	LV 16
3WT Air Circuit Breakers up to 4000 A	LV 35
3VT Molded Case Circuit Breakers up to 1600 A	LV 36
Digital: SIVACON System Cubicles, System Lighting and System Air-Conditioning	*LV 50*
Digital: ALPHA Distribution Systems	*LV 51*
ALPHA FIX Terminal Blocks	LV 52
SIVACON S4 Power Distribution Boards	LV 56
SIVACON 8PS Busbar Trunking Systems	LV 70
Digital: DELTA Switches and Socket Outlets	*ET D1*
Vacuum Switching Technology and Components for Medium Voltage	HG 11.01

Motion Control	
SINUMERIK 840 Equipment for Machine Tools	NC 62
SINUMERIK 808 Equipment for Machine Tools	NC 81.1
SINUMERIK 828 Equipment for Machine Tools	NC 82
SIMOTION Equipment for Production Machines	PM 21
Digital: Drive and Control Components for Cranes	*CR 1*

Power Supply	
SITOP Power supply	KT 10.1

Safety Integrated	
Safety Technology for Factory Automation	SI 10

SIMATIC HMI / PC-based Automation	
Human Machine Interface Systems/ PC-based Automation	ST 80/ ST PC

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SIMATIC Industrial Automation Systems	
Products for Totally Integrated Automation	ST 70
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SIMATIC PCS 7 Process Control System Technology components	ST PCS 7 T
Add-ons for the SIMATIC PCS 7 Process Control System	ST PCS 7 AO
SIMATIC S7-400 advanced controller	ST 400

SIMATIC NET	
Industrial Communication	IK PI

SIRIUS Industrial Controls	
SIRIUS Industrial Controls	IC 10

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Please note the section "Downloading catalogs" on page "Online services" in the appendix of this catalog.

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In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial security concept. Siemens' products and solutions only form one element of such a concept.

Customer is responsible to prevent unauthorized access to its plants, systems, machines and networks. Systems, machines and components should only be connected to the enterprise network or the internet if and to the extent necessary and with appropriate security measures (e.g. use of firewalls and network segmentation) in place.

Additionally, Siemens' guidance on appropriate security measures should be taken into account. For more information about industrial security, please visit **http://www.siemens.com/industrialsecurity.**

Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends to apply product updates as soon as available and to always use the latest product versions. Use of product versions that are no longer supported, and failure to apply latest updates may increase customer's exposure to cyber threats.

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