

По вопросам продаж и поддержки обращайтесь:

Самары (7273)495-231  
Ангарск (3955)60-70-56  
Архангельск (8182)63-90-72  
Астрахань (8512)99-46-04  
Барнаул (3852)73-04-60  
Белгород (4722)40-23-64  
Благовещенск (4162)22-76-07  
Брянск (4832)59-03-52  
Владивосток (423)249-28-31  
Владикавказ (8672)28-90-48  
Владимир (4922)49-43-18  
Волгоград (844)278-03-48  
Вологда (8172)26-41-59  
Воронеж (473)204-51-73  
Екатеринбург (343)384-55-89  
Иваново (4932)77-34-06  
Ижевск (3412)26-03-58  
Иркутск (395)279-98-46  
Казань (843)206-01-48

Калининград (4012)72-03-81  
Калуга (4842)92-23-67  
Кемерово (3842)65-04-62  
Киров (8332)68-02-04  
Коломна (4966)23-41-49  
Кострома (4942)77-07-48  
Краснодар (861)203-40-90  
Красноярск (391)204-63-61  
Курган (3522)50-90-47  
Курск (4712)77-13-04  
Липецк (4742)52-20-81  
Магнитогорск (3519)55-03-13  
Москва (495)268-04-70  
Мурманск (8152)59-64-93  
Набережные Челны (8552)20-53-41  
Нижний Новгород (831)429-08-12  
Новокузнецк (3843)20-46-81  
Новосибирск (383)227-86-73  
Ноябрьск (3496)41-32-12

Омск (3812)21-46-40  
Орел (4862)44-53-42  
Оренбург (3532)37-68-04  
Пенза (8412)22-31-16  
Пермь (342)205-81-47  
Петрозаводск (8142)55-98-37  
Псков (8112)59-10-37  
Ростов-на-Дону (863)308-18-15  
Рязань (4912)46-61-64  
Самара (846)206-03-16  
Санкт-Петербург (812)309-46-40  
Саранск (8342)22-96-24  
Саратов (845)249-38-78  
Севастополь (8692)22-31-93  
Симферополь (3652)67-13-56  
Смоленск (4812)29-41-54  
Сочи (862)225-72-31  
Ставрополь (8652)20-65-13  
Сургут (3462)77-98-35

Сыктывкар (8212)25-95-17  
Тамбов (4752)50-40-97  
Тверь (4822)63-31-35  
Тольятти (8482)63-91-07  
Томск (3822)98-41-53  
Тула (4872)33-79-87  
Тюмень (3452)66-21-18  
Улан-Удэ (3012)59-97-51  
Ульяновск (8422)24-23-59  
Уфа (347)229-48-12  
Хабаровск (4212)92-98-04  
Чебоксары (8352)28-53-07  
Челябинск (351)202-03-61  
Череповец (8202)49-02-64  
Чита (3022)38-34-83  
Якутск (4112)23-90-97  
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

<https://abbdrives.nt-rt.ru/> || [aei@nt-rt.ru](mailto:aei@nt-rt.ru)

# ПРИВОДЫ ПЕРЕМЕННОГО ТОКА ВЫСОКОВОЛЬТНЫЕ Техническое описание на преобразователи частоты ACS2000



# The ACS2000 industrial drive

## The solution for everyday process control

The industrial all-rounder for a wide variety of applications provides high flexibility to configure the drive to your specific needs.

As part of ABB's industrial drives family ACS2000 medium voltage drives meet the needs of various industrial applications, such as those found in mining, cement, power, chemical, oil and gas, water and wastewater, marine, food and beverage.

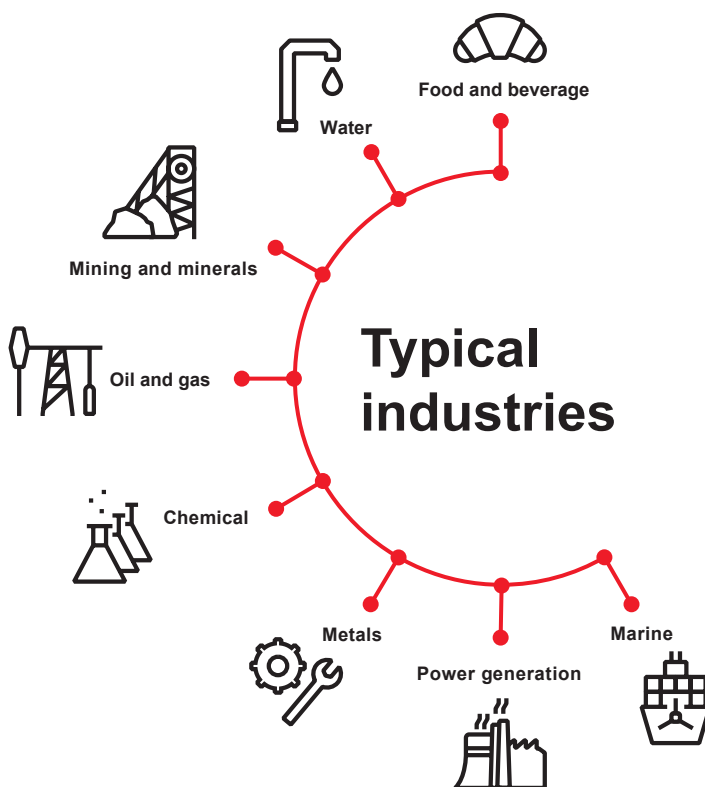
At the core of the drives is ABB's direct torque control (DTC), which enables highly accurate process control. Reliable control ensures high productivity, availability and efficiency of your operations.

### Flexible and reliable

With its compact footprint, constant power factor and configuration options, the ACS2000 can be easily integrated into your systems. Different line supply connections provide perfect voltage matching and low harmonic distortion. The drive can be operated direct-to-line or with an integrated or external transformer to allow for flexibility of connection to your supply network.

The ACS2000 is available as a low harmonic drive for optimal performance or as a regenerative drive increasing your energy savings even further. Market-specific product variants make the drive compatible with common IEC and NEMA motor voltages so that you can use the drive in all your global operations.

Wide-ranging versatility makes the ACS2000 fit perfectly into different conditions and environments all over the world. Benefit from the drive's state-of-the-art design and robust control platform that ensures reliable operations every day, everywhere.



---

# Benefits that add value

Our strong industrial drives family includes the features and functions you require, and make it easy for your business opportunities to work.

## Energy efficiency

Our medium voltage drives run your motors based on the demands of your process rather than running them at full speed and ensure optimized power consumption and process efficiency.

In this way you can save energy and reduce CO<sub>2</sub> emissions.

## Best fit for your application

For your standard applications in all industries, the ACS2000 is a perfect fit. With a range of pre-engineered options, you can drive pumps, fans, conveyors, extruders and compressors, even in harsh environments. Thanks to its IEC- and NEMA-specific designs you can use the drive for your operations all over the world.

## Design flexibility for smooth integration

You can easily connect the ACS2000 to the grid using an integrated or external transformer, or a direct-to-line connection. The drive is suitable for applications with regeneration capability, further reducing energy consumption. The design concept eliminates the need for costly harmonic analyses or the installation of network filters.

---

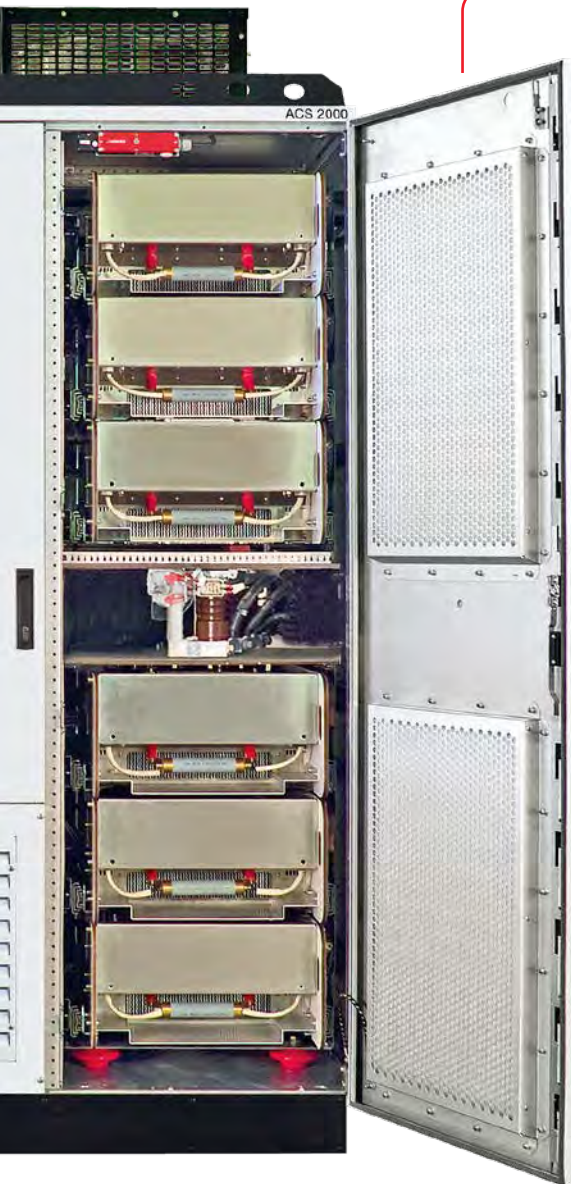
## Adapts to different requirements

## Maximum motor compatibility

You have total compatibility with common IEC and NEMA motor voltages due to our patented multilevel topology. With an optional output sine filter you can retrofit older motors or drive special applications and use long motor cables.



They support you in improving your processes by integrating your variable speed process control needs into a flexible and comprehensive drive solution.



**High reliability through state-of-the-art design**

Availability is ensured with the latest high voltage IGBT (Insulated Gate Bipolar Transistor) technology and a fuseless design using the minimum number of power components. Reliability is further increased with the drive's power loss ride-through function.

**Increased productivity due to precise process control**

Reduce your energy consumption and increase process efficiency by using ABB's direct torque control (DTC) method. The drive control is immediate and smooth under all conditions ensuring optimum output and productivity.

---

**Maximum reliability**

**High personnel safety**

Your workforce and goods are protected from dangerous electric arcs with the ACS2000's arc resistant design. Certified functional safety features and an integrated DC grounding switch make your systems safe and reliable.

**Serviceability**

Service and maintenance for the ACS2000 is simple and smooth as you have easy front access to all components. In addition to various diagnostic tools, you will profit from convenient remote monitoring.

---

# ACS2000 direct-to-line configuration

Smallest footprint and light weight is possible with the direct-to-line version.

—  
ACS2000 direct-to-line,  
800 kW, 4.0 to 4.16 kV,  
NEMA enclosure



User-friendly drive control panel for local operation

- Keypad with multi-language display
- Main supply on/off push buttons
- Emergency off push button

---

# ACS2000 configuration with external transformer

Minimized heat losses into the electrical room eliminate the need for additional ventilation systems when using an external transformer.

—  
ACS2000, 800 kW,  
6.6 kV, for operation  
with an external  
transformer

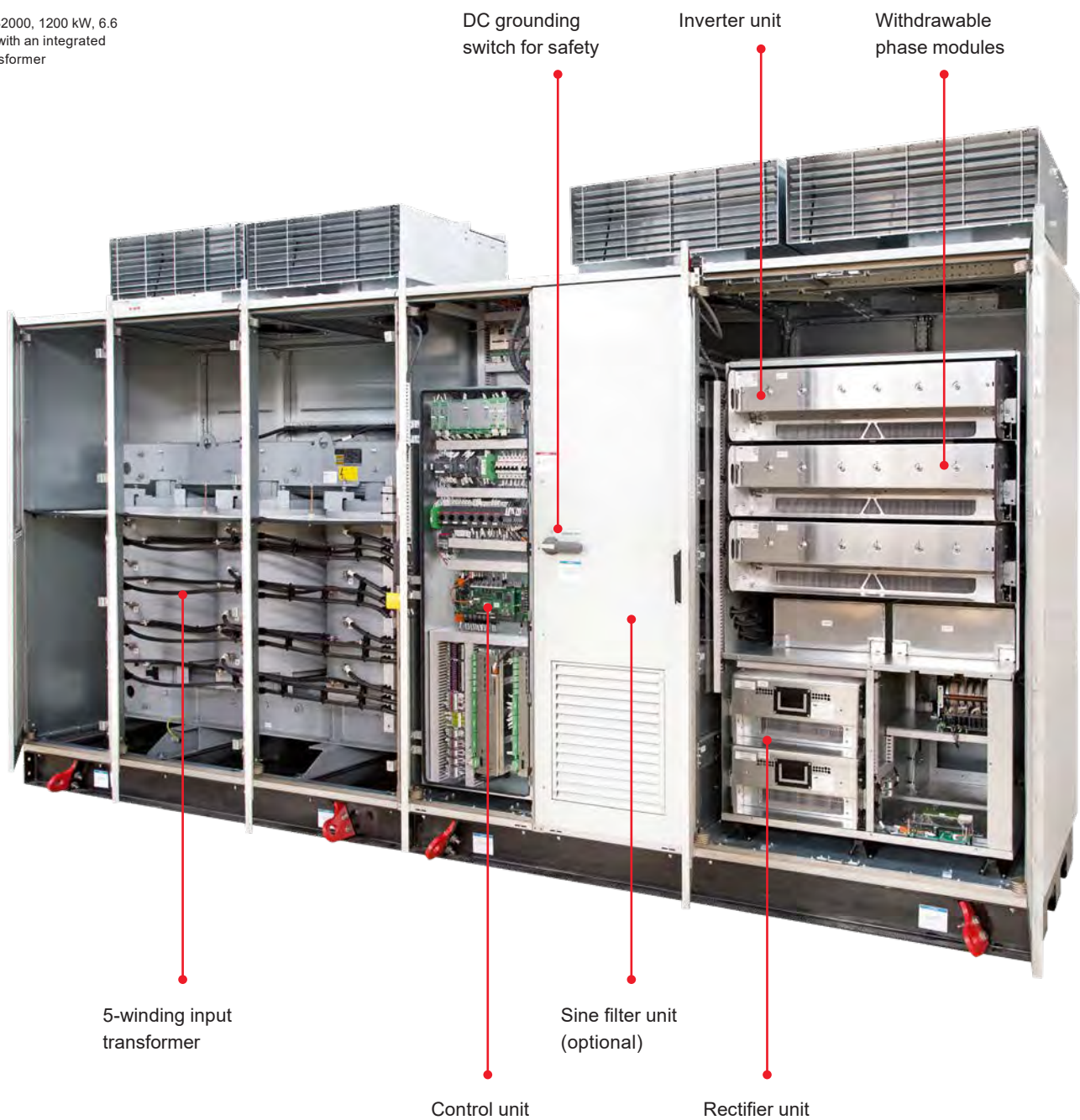


---

# ACS2000 configuration with integrated transformer

Easy installation is possible with the ACS2000 with integrated transformer, simplifying the integration of the drive into your systems.

—  
ACS2000, 1200 kW, 6.6 kV, with an integrated transformer



# Technical data

Input	
Input configuration	24-pulse diode rectifier or active front end
Input voltage	AFE direct-to-line: 6.0 kV- 6.9 kV (IEC), 4.16 kV (NEMA) AFE external transformer: 6.0 kV - 6.9 kV (IEC) DFE external transformer: 1850 V, 1930 V (IEC) DFE integrated transformer: 6.0 kV- 6.9 kV (IEC) (higher on request)
Input voltage variation	±10%, 4.16 kV, 6.0 kV, 6.6 kV -10% to +5%, 6.9 kV
Input frequency	50/60 Hz
Input frequency variation	<5%
Input power factor	Diode rectifier: >0.95 Active rectifier: 1
Input harmonics	Complies with IEC 61000, IEEE 519, GB/T 14549
Auxiliary voltage	110 V, 120 V, 230 V, 50/60 Hz 380 V, 400 V, 415 V, 440 V, 460 V, 480 V, 50/60 Hz, 3-phase 575 V, 600 V on request for NEMA
Output	
Output power	250 to 3680 kW
Output voltage	4.16 to 6.9 kV
Output frequency	0 to 90 Hz, <75 Hz with sine filter
Motor type	Induction and permanent magnet
Efficiency of converter	97.5%
Motor harmonics	<5% THDi, compatible to standard DOL motors
Mechanical	
Enclosure	Standard: IP21, NEMA 1 Optional: IP42
Cable entry	Top/bottom
Environmental	
Altitude	2000 m.a.s.l. (higher on request)
Ambient air temperature	+1 to +40 °C (higher on request)
Noise	<85 dB(A)
Cooling type	Air
Standards	EN, IEC, CE, NEMA, IEEE, UL



# Ratings, types and voltages

## 4 kV, low harmonic drive

Motor data <sup>1)</sup>			Converter data						
Nominal ratings <sup>2)</sup>			Type code	Power (kVA)	Direct-to-line		With external transformer		
(kW)	(hp)	(A)			Length (mm)	Weight (kg)	Length (mm)	Weight (kg)	
<b>4000 V - 4160 V</b>									
225	300	40	ACS2000-040-A01A-L1-010	310	1970	2100	1970	2100	
260	350	47	ACS2000-040-A01B-L1-010	360	1970	2100	1970	2100	
300	400	54	ACS2000-040-A01C-L1-010	410	1970	2100	1970	2100	
335	450	61	ACS2000-040-A01D-L1-010	460	1970	2100	1970	2100	
375	500	67	ACS2000-040-A01E-L1-010	515	1970	2100	1970	2100	
450	600	81	ACS2000-040-A01F-L1-010	615	1970	2100	1970	2100	
520	700	94	ACS2000-040-A01G-L1-010	720	1970	2100	1970	2100	
595	800	108	ACS2000-040-A01H-L1-010	820	1970	2100	1970	2100	
670	900	121	ACS2000-040-A01J-L1-010	880	1970	2100	1970	2100	
745	1000	135	ACS2000-040-A01K-L1-010	935	2915	2100	2915	2100	
935	1250	168	ACS2000-040-A02A-L1-010	1285	2915	3100	2915	3100	
1120	1500	202	ACS2000-040-A02B-L1-010	1540	2915	3100	2915	3100	
1305	1750	236	ACS2000-040-A02C-L1-010	1715	2915	3100	2915	3100	
1490	2000	269	ACS2000-040-A02D-L1-010	1865	2915	3100	2915	3100	
1680	2250	303	ACS2000-040-A03A-L1-010	2310	3485	4100	3485	4100	
1865	2500	337	ACS2000-040-A03B-L1-010	2565	3485	4100	3485	4100	
2050	2750	370	ACS2000-040-A03C-L1-010	2695	3485	4100	3485	4100	
2240	3000	404	ACS2000-040-A03D-L1-010	2800	3485	4100	3485	4100	

### Dimensions

<sup>1)</sup> Indicative information: Induction motor efficiency 93%, power factor 0.86

<sup>2)</sup> Nominal rating for no-overload operation

- eight: 2500 mm including cooling fans
- epth: 1180 mm

# Ratings, types and voltages

## 4 kV, regenerative drive

Motor data <sup>1)</sup>			Converter data						
Nominal ratings <sup>2)</sup>			Type code <sup>3)</sup>	Power (kVA)	Direct-to-line		With external transformer		
(kW)	(hp)	(A)			Length (mm)	Weight (kg)	Length (mm)	Weight (kg)	
<b>4000 V - 4160 V</b>									
225	300	40	ACS2000-040-A01A-T1-010	310	1970	2100	1970	2100	
260	350	47	ACS2000-040-A01B-T1-010	360	1970	2100	1970	2100	
300	400	54	ACS2000-040-A01C-T1-010	410	1970	2100	1970	2100	
335	450	61	ACS2000-040-A01D-T1-010	460	1970	2100	1970	2100	
375	500	67	ACS2000-040-A01E-T1-010	515	1970	2100	1970	2100	
450	600	81	ACS2000-040-A01F-T1-010	615	1970	2100	1970	2100	
520	700	94	ACS2000-040-A01G-T1-010	720	1970	2100	1970	2100	
595	800	108	ACS2000-040-A01H-T1-010	820	1970	2100	1970	2100	
670	900	121	ACS2000-040-A01J-T1-010	880	1970	2100	1970	2100	
745	1000	135	ACS2000-040-A01K-T1-010	935	2915	2100	2915	2100	
935	1250	168	ACS2000-040-A02A-T1-010	1285	2915	3100	2915	3100	
1120	1500	202	ACS2000-040-A02B-T1-010	1540	2915	3100	2915	3100	
1305	1750	236	ACS2000-040-A02C-T1-010	1715	2915	3100	2915	3100	
1490	2000	269	ACS2000-040-A02D-T1-010	1865	2915	3100	2915	3100	
1680	2250	303	ACS2000-040-A03A-T1-010	2310	3485	4100	3485	4100	
1865	2500	337	ACS2000-040-A03B-T1-010	2565	3485	4100	3485	4100	
2050	2750	370	ACS2000-040-A03C-T1-010	2695	3485	4100	3485	4100	
2240	3000	404	ACS2000-040-A03D-T1-010	2800	3485	4100	3485	4100	

### Dimensions

<sup>1)</sup> Indicative information: Induction motor efficiency 93%, power factor 0.86

<sup>2)</sup> Nominal rating for no-overload operation

- eight: 2500 mm incl. cooling fans
- epth: 1180 mm

# Ratings, types and voltages

## 6 kV, low harmonic drive

Motor data <sup>1)</sup>			Type code <sup>3)</sup>	Converter data					
Nominal ratings <sup>2)</sup>				Power	With external transformer		With integrated transformer		
(kW)	(hp)	(A)			(kVA)	Length (mm)	Weight (kg)	Length (mm)	Weight (kg)
<b>6000 V</b>									
250	335	30	ACS2000-060-A01A-xy-010	315	1700	1595	3300	3515	
315	420	38	ACS2000-060-A01B-xy-010	395	1700	1595	3300	3515	
355	475	43	ACS2000-060-A01C-xy-010	445	1700	1595	3300	3570	
400	535	48	ACS2000-060-A01D-xy-010	500	1700	1595	3600	3615	
450	605	54	ACS2000-060-A01E-xy-010	565	1700	1595	3600	3835	
500	670	60	ACS2000-060-A01F-xy-010	625	1700	1595	3600	4065	
560	750	67	ACS2000-060-A01G-xy-010	700	1700	1595	3600	4120	
630	845	76	ACS2000-060-A01H-xy-010	790	1700	1595	3600	4345	
710	950	85	ACS2000-060-A01J-xy-010	890	1700	1595	3600	4285	
800	1 070	96	ACS2000-060-A01K-xy-010	1000	1700	1595	3600	4285	
900	1 205	108	ACS2000-060-A02A-xy-010	1125	2150	1920	4050	4665	
1000	1 340	120	ACS2000-060-A02B-xy-010	1250	2150	1920	4050	5100	
1120	1 500	135	ACS2000-060-A02C-xy-010	1400	2150	1920	4050	5200	
1260	1 690	152	ACS2000-060-A02D-xy-010	1575	2150	1920	4350	5470	
1420	1 905	171	ACS2000-060-A02E-xy-010	1775	2150	1920	4350	5920	
1600	2 145	192	ACS2000-060-A02F-xy-010	2000	2150	1920	4350	6075	
1800	2 415	217	ACS2000-060-A03A-x4-010	2250	2500	2340	4900	6100	
2000	2 680	241	ACS2000-060-A03B-x4-010	2500	2500	2340	4900	6480	
2200	2 950	265	ACS2000-060-A03C-x4-010	2750	2500	2340	4900	6790	
2400	3 215	289	ACS2000-060-A03D-x4-010	3000	2500	2340	4900	6940	
2500	3 350	301	ACS2000-060-A04A-x4-010	3125	2500	2340	5100	8240	
2800	3 755	337	ACS2000-060-A04B-x4-010	3500	2500	2340	5100	8570	
3200	4 290	385	ACS2000-060-A04C-x4-010	4000	2500	2340	5100	8800	
<b>6600 V</b>									
275	370	30	ACS2000-066-A01A-xy-010	345	1700	1595	3300	3515	
345	465	38	ACS2000-066-A01B-xy-010	435	1700	1595	3300	3515	
390	525	43	ACS2000-066-A01C-xy-010	490	1700	1595	3300	3570	
440	590	48	ACS2000-066-A01D-xy-010	550	1700	1595	3600	3615	
495	665	54	ACS2000-066-A01E-xy-010	620	1700	1595	3600	3835	
550	735	60	ACS2000-066-A01F-xy-010	690	1700	1595	3600	4065	
615	825	67	ACS2000-066-A01G-xy-010	770	1700	1595	3600	4120	
695	930	76	ACS2000-066-A01H-xy-010	865	1700	1595	3600	4345	
780	1 045	85	ACS2000-066-A01J-xy-010	975	1700	1595	3600	4285	
880	1 180	96	ACS2000-066-A01K-xy-010	1100	1700	1595	3600	4285	
990	1 325	108	ACS2000-066-A02A-xy-010	1240	2150	1920	4050	4665	
1 100	1 475	120	ACS2000-066-A02B-xy-010	1375	2150	1920	4050	5100	
1 230	1 650	135	ACS2000-066-A02C-xy-010	1540	2150	1920	4050	5200	
1 385	1 860	152	ACS2000-066-A02D-xy-010	1735	2150	1920	4350	5470	
1 560	2 095	171	ACS2000-066-A02E-xy-010	1955	2150	1920	4350	5920	
1 760	2 360	192	ACS2000-066-A02F-xy-010	2200	2150	1920	4350	6075	
1 980	2 655	217	ACS2000-066-A03A-x4-010	2475	2500	2340	4900	6100	
2 200	2 950	241	ACS2000-066-A03B-x4-010	2750	2500	2340	4900	6480	
2 420	3 245	265	ACS2000-066-A03C-x4-010	3025	2500	2340	4900	6790	
2 640	3 540	289	ACS2000-066-A03D-x4-010	3300	2500	2340	4900	6940	
2 750	3 685	301	ACS2000-066-A04A-x4-010	3440	2500	2340	5100	8240	
3 080	4 130	337	ACS2000-066-A04B-x4-010	3850	2500	2340	5100	8570	
3 520	4 720	385	ACS2000-066-A04C-x4-010	4400	2500	2340	5100	8800	

# Ratings, types and voltages

## 6 kV, low harmonic drive

Motor data <sup>1)</sup>			Type code <sup>3)</sup>	Converter data					
Nominal ratings <sup>2)</sup>				Power (kVA)	With external transformer		With integrated transformer		
(kW)	(hp)	(A)			Length (mm)	Weight (kg)	Length (mm)	Weight (kg)	
<b>6900 V</b>									
290	385	30	ACS2000-069-A01A-xy-010	360	1700	1595	3300	3515	
360	485	38	ACS2000-069-A01B-xy-010	455	1700	1595	3300	3515	
410	545	43	ACS2000-069-A01C-xy-010	510	1700	1595	3300	3570	
460	615	48	ACS2000-069-A01D-xy-010	575	1700	1595	3600	3615	
520	695	54	ACS2000-069-A01E-xy-010	645	1700	1595	3600	3835	
575	770	60	ACS2000-069-A01F-xy-010	720	1700	1595	3600	4065	
645	865	67	ACS2000-069-A01G-xy-010	805	1700	1595	3600	4120	
725	970	76	ACS2000-069-A01H-xy-010	905	1700	1595	3600	4345	
815	1 095	85	ACS2000-069-A01J-xy-010	1020	1700	1595	3600	4285	
920	1 235	96	ACS2000-069-A01K-xy-010	1150	1700	1595	3600	4285	
1 035	1 385	108	ACS2000-069-A02A-xy-010	1295	2150	1920	4050	4665	
1 150	1 540	120	ACS2000-069-A02B-xy-010	1440	2150	1920	4050	5100	
1 290	1 725	135	ACS2000-069-A02C-xy-010	1610	2150	1920	4050	5200	
1 450	1 940	152	ACS2000-069-A02D-xy-010	1810	2150	1920	4350	5470	
1 635	2 190	171	ACS2000-069-A02E-xy-010	2040	2150	1920	4350	5920	
1 840	2 465	192	ACS2000-069-A02F-xy-010	2300	2150	1920	4350	6075	
2 070	2 775	217	ACS2000-069-A03A-x4-010	2590	2500	2340	4900	6100	
2 300	3 085	241	ACS2000-069-A03B-x4-010	2875	2500	2340	4900	6480	
2 530	3 390	265	ACS2000-069-A03C-x4-010	3165	2500	2340	4900	6790	
2 760	3 700	289	ACS2000-069-A03D-x4-010	3450	2500	2340	4900	6940	
2 875	3 855	301	ACS2000-069-A04A-x4-010	3595	2500	2340	5100	8240	
3 220	4 315	337	ACS2000-069-A04B-x4-010	4025	2500	2340	5100	8570	
3 680	4 935	385	ACS2000-069-A04C-x4-010	4600	2500	2340	5100	8800	

<sup>1)</sup> Indicative information: Induction motor efficiency 93%, power factor 0.86

<sup>2)</sup> Nominal rating for no-overload operation

<sup>3)</sup> ‚x‘ indicates the different converter types

L - for direct-to-line operation

E - for operation with external transformer

J - for operation with integrated transformer

‚y‘ indicates the pulse number

1- to 6-pulse active front end 4-

to 24-pulse diode front end

# Ratings, types and voltages

## 6 kV, regenerative drive

Motor data <sup>1)</sup>			Converter data						
Nominal ratings <sup>2)</sup>			Type code <sup>3)</sup>	Power	Direct-to-line		With external transformer		
(kW)	(hp)	(A)			Length (mm)	Weight (kg)	Length (mm)	Weight (kg)	
<b>6000 V</b>									
250	335	30	ACS2000-060-A01A-x1-010	315	2205	2305	1705	1580	
315	420	38	ACS2000-060-A01B-x1-010	395	2205	2305	1705	1580	
355	475	43	ACS2000-060-A01C-x1-010	445	2205	2305	1705	1580	
400	535	48	ACS2000-060-A01D-x1-010	500	2205	2305	1705	1580	
450	605	54	ACS2000-060-A01E-x1-010	565	2205	2305	1705	1580	
500	670	60	ACS2000-060-A01F-x1-010	625	2205	2305	1705	1580	
560	750	67	ACS2000-060-A01G-x1-010	700	2205	2305	1705	1580	
630	845	76	ACS2000-060-A01H-x1-010	790	2205	2305	1705	1580	
710	950	85	ACS2000-060-A01J-x1-010	890	2205	2305	1705	1580	
800	1 070	96	ACS2000-060-A01K-x1-010	1000	2205	2305	1705	1580	
900	1 205	108	ACS2000-060-A02A-x1-010	1125	3800	4310	3000	2590	
1000	1 340	120	ACS2000-060-A02B-x1-010	1250	3800	4310	3000	2590	
1120	1 500	135	ACS2000-060-A02C-x1-010	1400	3800	4310	3000	2590	
1260	1 690	152	ACS2000-060-A02D-x1-010	1575	3800	4310	3000	2590	
1420	1 905	171	ACS2000-060-A02E-x1-010	1775	3800	4310	3000	2590	
1600	2 145	192	ACS2000-060-A02F-x1-010	2000	3800	4310	3000	2590	
<b>6600 V</b>									
275	370	30	ACS2000-066-A01A-x1-010	345	2205	2305	1705	1580	
345	465	38	ACS2000-066-A01B-x1-010	435	2205	2305	1705	1580	
390	525	43	ACS2000-066-A01C-x1-010	490	2205	2305	1705	1580	
440	590	48	ACS2000-066-A01D-x1-010	550	2205	2305	1705	1580	
495	665	54	ACS2000-066-A01E-x1-010	620	2205	2305	1705	1580	
550	735	60	ACS2000-066-A01F-x1-010	690	2205	2305	1705	1580	
615	825	67	ACS2000-066-A01G-x1-010	770	2205	2305	1705	1580	
695	930	76	ACS2000-066-A01H-x1-010	865	2205	2305	1705	1580	
780	1 045	85	ACS2000-066-A01J-x1-010	975	2205	2305	1705	1580	
880	1 180	96	ACS2000-066-A01K-x1-010	1100	2205	2305	1705	1580	
990	1 325	108	ACS2000-066-A02A-x1-010	1240	3800	4310	3000	2590	
1 100	1 475	120	ACS2000-066-A02B-x1-010	1375	3800	4430	3000	2590	
1 230	1 650	135	ACS2000-066-A02C-x1-010	1540	3800	4310	3000	2590	
1 385	1 860	152	ACS2000-066-A02D-x1-010	1735	3800	4310	3000	2590	
1 560	2 095	171	ACS2000-066-A02E-x1-010	1955	3800	4310	3000	2590	
1 760	2 360	192	ACS2000-066-A02F-x1-010	2200	3800	4310	3000	2590	

# Ratings, types and voltages

## 6 kV, regenerative drive

Motor data <sup>1)</sup>			Converter data						
Nominal ratings <sup>2)</sup>			Type code <sup>3)</sup>	Power	Direct-to-line		With external transformer		
(kW)	(hp)	(A)			Length (mm)	Weight (kg)	Length (mm)	Weight (kg)	
<b>6900 V</b>									
290	385	30	ACS2000-069-A01A-x1-010	360	2205	2305	1705	1580	
360	485	38	ACS2000-069-A01B-x1-010	455	2205	2305	1705	1580	
410	545	43	ACS2000-069-A01C-x1-010	510	2205	2305	1705	1580	
460	615	48	ACS2000-069-A01D-x1-010	575	2205	2305	1705	1580	
520	695	54	ACS2000-069-A01E-x1-010	645	2205	2305	1705	1580	
575	770	60	ACS2000-069-A01F-x1-010	720	2205	2305	1705	1580	
645	865	67	ACS2000-069-A01G-x1-010	805	2205	2305	1705	1580	
725	970	76	ACS2000-069-A01H-x1-010	905	2205	2305	1705	1580	
815	1 095	85	ACS2000-069-A01J-x1-010	1020	2205	2305	1705	1580	
920	1 235	96	ACS2000-069-A01K-x1-010	1150	2205	2305	1705	1580	
1 035	1 385	108	ACS2000-069-A02A-x1-010	1295	3800	4310	3000	2590	
1 150	1 540	120	ACS2000-069-A02B-x1-010	1440	3800	4310	3000	2590	
1 290	1 725	135	ACS2000-069-A02C-x1-010	1610	3800	4310	3000	2590	
1 450	1 940	152	ACS2000-069-A02D-x1-010	1810	3800	4310	3000	2590	
1 635	2 190	171	ACS2000-069-A02E-x1-010	2040	3800	4310	3000	2590	
1 840	2 465	192	ACS2000-069-A02F-x1-010	2300	3800	4310	3000	2590	

<sup>1)</sup> Indicative information: Induction motor efficiency 93%, power factor 0.86

<sup>2)</sup> Nominal rating for no-overload operation

<sup>3)</sup> ‚x‘ indicates the different converter types

T - for direct-to-line operation

R - for operation with external transformer

N - for operation with integrated transformer

### Dimensions

- Height: 2550 mm including cooling fans  
2780 mm including redundant cooling fans
- Depth: 1200 mm

По вопросам продаж и поддержки обращайтесь:

**Самары** (7273)495-231  
**Ангарск** (3955)60-70-56  
**Архангельск** (8182)63-90-72  
**Астрахань** (8512)99-46-04  
**Барнаул** (3852)73-04-60  
**Белгород** (4722)40-23-64  
**Благовещенск** (4162)22-76-07  
**Брянск** (4832)59-03-52  
**Владивосток** (423)249-28-31  
**Владикавказ** (8672)28-90-48  
**Владимир** (4922)49-43-18  
**Волгоград** (844)278-03-48  
**Вологда** (8172)26-41-59  
**Воронеж** (473)204-51-73  
**Екатеринбург** (343)384-55-89  
**Иваново** (4932)77-34-06  
**Ижевск** (3412)26-03-58  
**Иркутск** (395)279-98-46  
**Казань** (843)206-01-48

**Калининград** (4012)72-03-81  
**Калуга** (4842)92-23-67  
**Кемерово** (3842)65-04-62  
**Киров** (8332)68-02-04  
**Коломна** (4966)23-41-49  
**Кострома** (4942)77-07-48  
**Краснодар** (861)203-40-90  
**Красноярск** (391)204-63-61  
**Курган** (3522)50-90-47  
**Курск** (4712)77-13-04  
**Липецк** (4742)52-20-81  
**Магнитогорск** (3519)55-03-13  
**Москва** (495)268-04-70  
**Мурманск** (8152)59-64-93  
**Набережные Челны** (8552)20-53-41  
**Нижний Новгород** (831)429-08-12  
**Новокузнецк** (3843)20-46-81  
**Новосибирск** (383)227-86-73  
**Ноябрьск** (3496)41-32-12

**Омск** (3812)21-46-40  
**Орел** (4862)44-53-42  
**Оренбург** (3532)37-68-04  
**Пенза** (8412)22-31-16  
**Пермь** (342)205-81-47  
**Петрозаводск** (8142)55-98-37  
**Псков** (8112)59-10-37  
**Ростов-на-Дону** (863)308-18-15  
**Рязань** (4912)46-61-64  
**Самара** (846)206-03-16  
**Санкт-Петербург** (812)309-46-40  
**Саранск** (8342)22-96-24  
**Саратов** (845)249-38-78  
**Севастополь** (8692)22-31-93  
**Симферополь** (3652)67-13-56  
**Смоленск** (4812)29-41-54  
**Сочи** (862)225-72-31  
**Ставрополь** (8652)20-65-13  
**Сургут** (3462)77-98-35

**Сыктывкар** (8212)25-95-17  
**Тамбов** (4752)50-40-97  
**Тверь** (4822)63-31-35  
**Тольятти** (8482)63-91-07  
**Томск** (3822)98-41-53  
**Тула** (4872)33-79-87  
**Тюмень** (3452)66-21-18  
**Улан-Удэ** (3012)59-97-51  
**Ульяновск** (8422)24-23-59  
**Уфа** (347)229-48-12  
**Хабаровск** (4212)92-98-04  
**Чебоксары** (8352)28-53-07  
**Челябинск** (351)202-03-61  
**Череповец** (8202)49-02-64  
**Чита** (3022)38-34-83  
**Якутск** (4112)23-90-97  
**Ярославль** (4852)69-52-93

**Россия** +7(495)268-04-70

**Казахстан** +7(7172)727-132

**Киргизия** +996(312)96-26-47

<https://abbdrives.nt-rt.ru/> || [aei@nt-rt.ru](mailto:aei@nt-rt.ru)