
LOW VOLTAGE AC DRIVES

ABB general purpose drives

ACS560, 0.75 to 160 kW





**Next level of reliability.
One product, many applications.
Simpler than ever before.
Integrated essentials.**

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024	A lifetime of peak performance

ACS560 all-compatible drive

Integrated essentials and options for your needs



Easy of use

The user-friendly Icon based control panel is standard, giving the user a delightful experience.



Integrated essentials

Essentials such as Modbus RTU interface, brake chopper, safe torque off, DC choke, EMC filter, digital and analog IO's make ACS560 an all convenient drive.



Fieldbus autoconfiguration

Fieldbus autoconfiguration functionality with all major automation communication networks, assures faster connection to your devices with just one setting.



All compatible

Compatible with assistant control panels ACS-AP-S, ACS-AP-I & ACS-AP-W (Bluetooth) with Hindi language support.

Bluetooth enabled control panel allows the user to connect to the drive with mobile through "Drive tune" mobile App.



Simple control panel installation

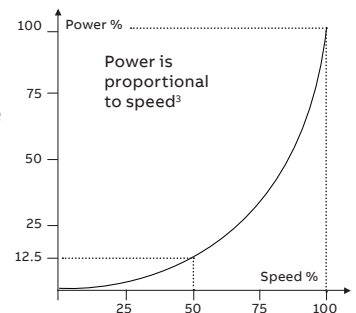
Control panel can be mounted on cabinet door without any add-ons.

A dummy panel RDUM-01 and DPMP-02 cabinet door mounting kit is offered as an option.



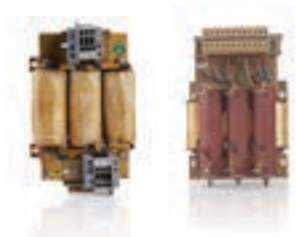
Energy optimizer

Energy optimizer help you save energy and energy efficiency information helps you monitor consumption, savings and CO₂ reduction.



Additional external options

Specially designed options such as input choke, output choke, brake resistor to make the system more



Remote monitoring

Remote monitoring with a built-in web server and standalone data logger, the NETA-21 enables worldwide and secure remote access to drives with primary focus on remote condition monitoring.

ACS560 also introduces Eco remote monitoring solution targeting remote diagnosis and support.



Start-up and maintenance tool

Drive composer PC tool for startup, configuration, monitoring and process tuning.

Automation Builder-Drive Manager for single point of commissioning and monitoring of your drives together with other automation products such as PLC, HMI etc., Drive size tool and Energy save calculator to make data driven decisions.



ACS560 perfect fit drive

Specification and features designed after listening to the user

The user driven features and reliable design of ACS560 ensures effortless commissioning and operation in challenging conditions

Optimization at its best

0.75 to 160 kW, adapted for Indian environment, cabinet mount, IP20, EMC C3, basic panel, integrated brake chopper (up to 22KW), DC Choke (>11 KW)



Robust design and quality, suits Indian conditions

ACS560 uses protective coated circuit boards and individual air cooling lanes, all 3 phase current measurement to help ensure highest performance, high reliability and a long lifetime. ACS560 designed to work up to +55 deg C ambient conditions.



Engineered in India for India

Specially engineered application macros for plastic extrusion, pharma segments, textiles and always demanding PFC, SPFC, PID control macros. Cleverly designed input filter, output filter and brake resistors.



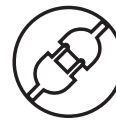
Operate in apna language

Control panel information display and user documentation in Hindi, first-of-its-kind feature in India for Drives.



Fit and Play

Rapid connectivity to control systems with intelligent Fit & Play fieldbus configuration facility. Modbus RTU as standard, optional Profibus, Profinet, EtherCat, Canopen and Modbus TCP. Mobile, remote monitoring connection ready.



All essentials inside

The ACS560 general purpose drive is compliant with IEC standards. The integrated features such as EMC filters and brake chopper leads to reduction in needed space.

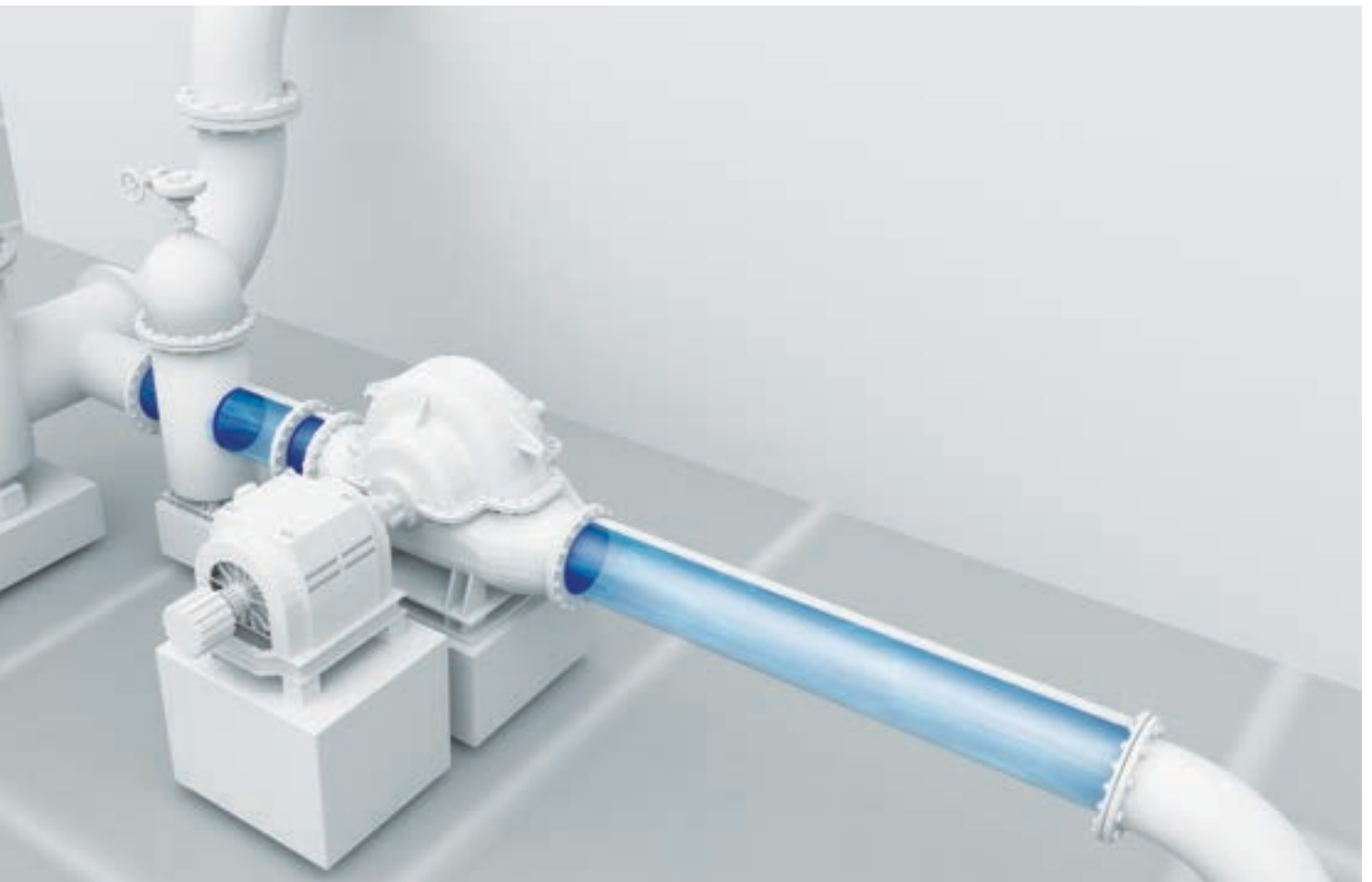
**Energy saving**

The built-in energy optimizer and energy efficiency information help to save energy and monitor consumption in the processes and reduce CO₂ emissions.

**Backward compatibility**

Having the same order and service resources as the ACS550, but with a more compact size and added new features, users familiar with ACS550 can quickly adopt and use ACS560

- Compatible for most ACS550 applications.
- Smaller size allows easy replacement
- More options available
- Panel and cabinet installation kit
- Enhanced functionality from ACS550
- Parameter conversion from ACS550 to ACS560
- A separate guide for ACS550/ACS310 application conversion.



High reliability, long life

Rigorously tested to ensure trouble free operation

Multiple levels of in-depth tests performed at various stages of development, ensures quality and reliability

—
Reliability of every drive, assured by demanding test procedures and advanced facilities

ABB ensures that each and every drive produced is tested thoroughly with various test procedures by in-house as well through external certifications. The routine test procedures are stringent and always one step ahead to ensure reliable operation and long life.

The newly designed cooling lane lets air going through the lane to cool the power components. It also isolates the dust in the air from the power and control unit. This protects the components on the printed circuit board (PCB), thus reducing fault rate and extend the lifetime.

By using a new coating technique, a greater area on the printed circuit board is covered protecting the drive from powder dust and oil, allowing the drive to function reliably even in harsh environments.

The ACS560 has been thoroughly tested under harsh environmental conditions, ensuring that the product can function in demanding environments.

- Tested in high humidity environments
- Tested for withstanding, dusty environmental conditions seen in ceramics, textiles and stone processing applications.
- Tested for resisting corrosive gases as per 3C2 category

The ACS560 designed to operate with up to +55 °C ambient temperature .

A wide line network voltage ranging from -15% to +10% allows functioning despite voltage fluctuations.





Increased productivity

Consistent quality of the end product

ACS560 enables a process to achieve fast and accurate speed control while continuously maintaining the quality.

The optimal process control of the ACS560 leads to a more consistent quality end product, which means the maximum profit for the customer. A pump macro can maintain product consistency by telling the drive to start additional pumps in response to a pressure drop, should there be a surge in demand.

In addition to dedicated pump control, ACS560 provides a pre-pressurization for process start-ups.

Increasing throughput

Process equipment is usually designed to cater for future increase in productivity. Changing constant-speed equipment to provide higher production volumes requires money and time. Boosting productivity with the help of ACS560, speed increase of 5% to 20% percent is possible and the production increase often can be achieved without any extra investment.

Supervision function

Supervision function allows monitoring any process signal, alerting the user and preventing machinery damage or productivity loss.

Remote monitoring

Remote monitoring feature indicates the condition of the drive system in real-time to the user to get ready for preventive maintenance.

Energy saving

Given that power consumption savings of 50% can be made by reducing the motor speed by just 20% and with payback times as short as six months ACS560 is arguably the one product that can have the maximum impact on a company's energy and carbon reduction policy

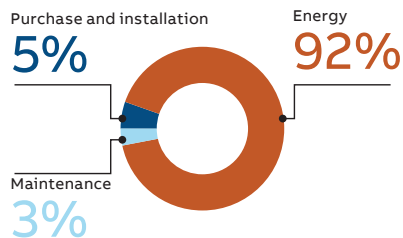


Energy efficiency

Faster returns on investment

It pays back. The payback time for using variable speed drives is very short, and the return on investment can come within months.

According to life cycle approach, the purchase cost of a motor and a drive is just a few percent compared to the energy spent to run the equipment over its entire lifetime.



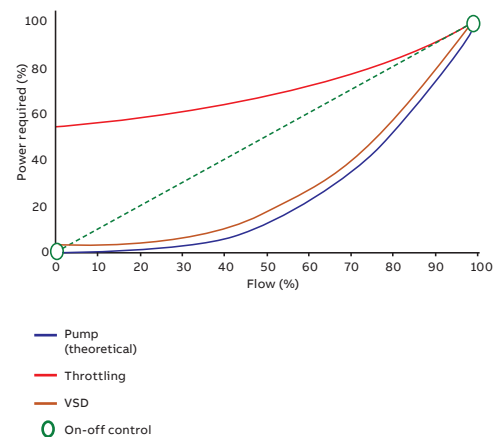
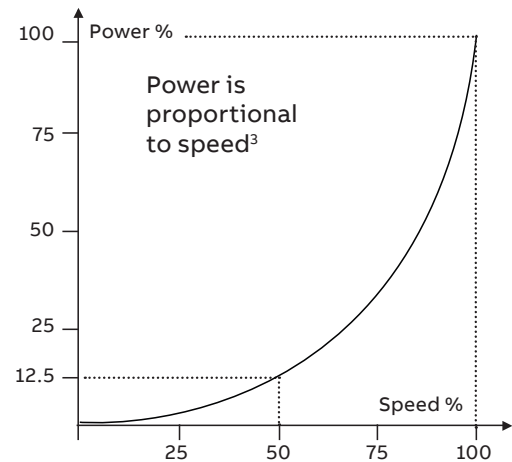
Energy saving

- Maximum flow has fewer requirements during most of pump and fan application.
- Even a small reduction in speed can result in significant energy savings
- With energy efficiency control, ACS560 helps user reduce energy consumption and save cost during its whole life cycle
- ACS560 has energy saving calculator which logs energy saving and displays the savings in local currency. It also logs CO₂ reduction data.



Energy saved with ABB's variable speed drives

- The installed base of ABB drives saved about 490 TWh in 2015, equivalent to the consumption per year of more than 110 million households in EU.
- If 490 TWh would have been generated by fossil fuel powered electricity plants, ABB drives reduced CO₂ emissions in 2015 by about 410 million tons, corresponding to the yearly emission of more than 90 million cars.



Special features

For increased operational efficiency

ACS560 is designed with a focus on the needs of users who require specific features for higher efficiency in general purpose applications.

PFC and SPFC application macro with auto change and interlock

- Predefined PFC and SPFC macro's logic and parameterization ensures quick commissioning of the fan or pump, keeping the system cost is low as there is no need of a PLC.
- Auto-change functionality ensures the even run time of all pumps or fans in the system to have even wear and avoid downtime of the pump/fan
- Interlock provides option to exclude a pump or fan from the system for maintenance or manual direct on-line start



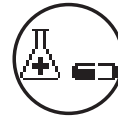
Plastic extrusion application macro with screw rpm indication and supervision

- Plastic extrusion macro has pre-configured parameters, which enables quick commissioning
- Screw speed can be displayed using load speed and gear ratio parameters which reduce the investment of additional display meter
- Supervision function can be used to avoid productivity loss and screw damage in case of a jam, by interlocking minimum required speed reference to start the drive



Pharma application macro with integrated brake chopper and brake resistor package

- Pharma application macro has pre-configured parameters to commission pharma reactor equipment by changing only one parameter
 - Integrated brake chopper offers competitive advantage
- Packaged brake resistor avoids resistor selection process and procurement hassles



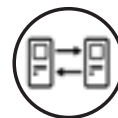
Cooling fan control mode

- Two modes of cooling fan control are included in ACS560, one is "Auto", other one is "Always on".
- This option increases reliability and productivity in textile application by avoiding the bluff accumulation.



Fieldbus auto configuration and Fieldbus macro

- Hassle free fieldbus module configuration, fit the fieldbus module and restart the drive
- All fieldbus configurations are just done by one parameter settings. Select the respective fieldbus macro, and all the fieldbus parameters are set, to send /receive data from PLC
- Supports for Modbus RTU, Modbus TCP, Profibus, Profinet, EtherCAT, CanOpen.



Current limit warning

- If the drive load hits its stall limit then it goes to stall condition causing production loss
- In ACS560, new current limit is introduced for 180% of heavy duty current I_{Hd} (less than stall limit)
- Whenever drive hits this limit a warning or a fault can be generated, so that the user gets notified about the load thereby taking necessary action and avoid production loss.

User load curve with multi point load limits



- Enhanced user load curve with multiple point limit setting, enables to set different limits at various points of load curve according to its load pattern and helps in load analysis with alerts specifying its region.



Motor pot up and down time & inching

- Motor potentiometer feature is now added with separated parameters for uptime and down time
- This gives the flexibility to set different times for increase and decrease.
- Inching can be activated through fieldbus, it uses jogging references and ramp times.





Standard interface I/O connections (ABB standard macro)

		X1 Reference voltage and analog input and output			
	1...10 Kohm	1	SCR	Signal cable shield (screen)	
		2	AI1	External frequency reference: 0...10 V or 0/4...20mA	
		3	AGND	Analog input circuit, common	
		4	+10V	10 V DC reference voltage	
		5	AI2	Not configured	
		6	AGND	Analog input circuit, common	
		7	AO1	Output frequency: 0/4...20 mA or 0...10V	
		8	AO2	Output current 0/4...20 mA	
		9	AGND	Analog output circuit, common	
		X2, X3 Aux. voltage output and programmable digital input			
		10	+24V	Aux. voltage output +24 VDC, max. 250 mA	
		11	DGND	Aux. voltage output common	
		12	DCOM	Digital input common for all	
		13	DI1	Stop (0) / start (1)	
		14	DI2	Forward (0) / reverse (1)	
		15	DI3	Constant frequency selection	
		16	DI4	Constant frequency selection	
		17	DI5	Ramp selection: ramp 1(0) / ramp 2 (1)	
		18	DI6	Not configured	
		X6,X7,X8 Relay output			
		19	RO1C	Ready run 250 V AC / 30 V DC 2A	
		20	RO1A		
		21	RO1B		
		22	RO2C	Running 250 V AC / 30 V DC 2A	
		23	RO2A		
		24	RO2B		
		25	RO3C	Fault(-1) 250 V AC / 30 V DC 2A	
		26	RO3A		
		27	RO3B		
		X5 Built-in modbus			
		29	B+	Internal modbus RTU (EIA-485).	
		30	A-		
		31	DGND		
		(Frame R0 – R2)			
		S100	TERM & BIAS	Termination resistor and bias resistor switch	
		(Frame R3 – R8)			
		S100	TERM	Termination resistor switch	
		S200	BIAS	Bias resistor switch	
		X4 Safety torque off			
			R0 – R2 R3 – R8	Safety torque off function. factoryconnection. both circuits must be closed for the drive to start. see safe torque off function in the drive hardware manual.	
		33	-		OUT1
		34	SGND		OUT2
		35	OUT1		SGND
		36	IN1		IN1
		37	IN2		IN2
		X10 24 V AC/DC (frame R6-R8)			
		40	24 VACDC-In	24V AC/DC input for control unit power supply when external main power is disconnected	
		41	24 VACDC-In		
		Redundant auxiliary voltage output (frame R0-R2)			
		42	+24 V	Aux. voltage output +24 V DC, max. 250mA	
		43	DGND	Aux. voltage output common	
		44	DDOM	Digital input common for all	

Technical details

Mains Connection

Voltage and power range	3-phase, U_N from 0.75 up to 160 kW 380 to 480 V, +10%/-15%
Frequency	50/60 HZ $\pm 5\%$
Power factory	$\cos\phi = 0.98$
Efficiency (at nominal power)	98%

Motor Connection

Voltage	0 to U_N , 3-phase
Frequency	0 to 500 Hz
Motor control	Scalar and vector control
Speed control	Static accuracy: 20% of motor nominal slip Dynamic accuracy: 1% seconds with 100% torque step

Product compliance

CE
Low Voltage Directive 2006/95/EC, EN 61800-5-1: 2007
Machinery Directive 2006/42/EC, EN 61800-5-2: 2007
EMC Directive 2004/108/EC, EN 61800-3: 2004 + A1: 2012
Quality assurance system
ISO 9001 and Environmental system ISO 14001

Waste electrical and electronic equipment directive (WEEE) 2002/96/EC
RoHS directive 2011/65/EU
EAC

EMC according to EN 61800-3: 2004 + A1: 2012
ACS560 with built-in C3 category filter as standard

Environmental limits

Ambient temperature

Transport	-40 to +70 °C
Storage	-40 to +70 °C
Operation area	-15 to +40 °C no frost allowed. R0 to R2 frames - No deration needed up to 50 °C, deration needed above +50 °C to +55 °C R3 to R8 frames: No deration needed up to +40 °C, deration needed above +40 °C to +55 °C. Refer HW manual for more information.

Coating	Coated circuit boards
Cooling method	
Air-cooled	Dry clean air
Altitude	
0 to 1,000 m	Without deration
1,000 to 4,000 m	With deration of 1%/100 m
Relative humidity	5 to 95%, no conden- sation allowed
Degree of protection	IP20
Functional safety	Safe torque off, (STO according EN 61800-5-2), IEC 61508 e d2: SIL 3, IEC 61511: SIL 3, IEC 62061: SIL CL 3, EN ISO 1 3849-1: PL E
Contamination levels	No conductive dust allowed
Storage	IEC 60721-3-1, Class 1C2 (chemical gases), Class 1S2 (solid particles)*
Operation	IEC 60721-3-3, Class 3C2 (chemical gases), Class 3S2 (solid particles)*
Transportation	IEC 60721-3-2, Class 2C2 (chemical gases), Class 2S2 (solid particles)*

* C = chemically active substances

S = mechanically active substances

Dimensions, weight and type designation

Dimensions and weight

Frames*	Height		Width	Depth		Weight Kg
	H1 mm	H2 mm	W mm	D mm	D mm	
R0	223	x	73	207	1.6	
R1	223	x	97	207	1.9	
R2	220	x	172	207	2.9	
R3	490	x	203	229	14.9	
R4	636	x	203	257	19.0	
R5	719	600	203	296	28.3	
R6	722	548	252	369	42.4	
R7	839	600	284	371	54.0	
R8	943	680	300	394	69.0	



H1 - Height of front side

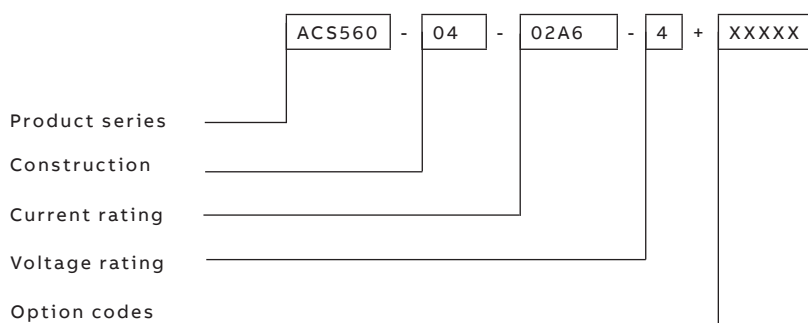
H2 - Height of back side (without cable connecting box)

W - Width

D - Depth

*For more information on drive frame sizes, see Rating tables (page 18).

Type Designation



Rating tables

ACS560 rating table

Order Number		Normal use			Maximum output current	Light overload use			Heavy Duty Use		
Drive	Frame	P _n [kW]	P _n [Hp]	I _n [A]	I _{max} [A]	P _{Ld} [KW]	P _{Ld} [Hp]	I _{Ld} [A]	P _{Hd} [KW]	P _{Hd} [Hp]	I _{Hd} [A]
ACS560-01-02A6-4	R0	0.75	1	2.6	3.2	0.75	1	2.5	0.55	0.75	1.8
ACS560-01-03A3-4	R0	1.1	1.5	3.3	4.7	1.1	1.5	3.1	0.75	1	2.6
ACS560-01-04A0-4	R0	1.5	2	4	5.9	1.5	2	3.8	1.1	1.5	3.3
ACS560-01-05A6-4	R0	2.2	3	5.6	7.2	2.2	3	5.3	1.5	2	4
ACS560-01-07A2-4	R0	3	4	7.2	10.1	3	4	6.8	2.2	3.0	5.6
ACS560-01-09A4-4	R0	3.7	5	9.4	13.0	4	5	8.9	3	4.0	7.2
ACS560-01-12A6-4	R1	5.5	7.5	12.6	16.9	5.5	7.5	12	3.7	5.0	9.4
ACS560-01-017A-4	R2	7.5	10	17	22.7	7.5	10	16.2	5.5	7.5	12.6
ACS560-01-025A-4	R2	11	15	25	30.6	11	15	23.8	7.5	10	17
ACS560-01-033A-4	R3	15	20	33	44.3	15	20	30.4	11	15	24.6
ACS560-01-039A-4	R3	18.5	25	39	56.9	18.5	25	36.1	15	20	31.6
ACS560-01-046A-4	R3	22	30	46	67.9	22	30	42.8	18.5	25	37.7
ACS560-01-062A-4	R4	30	40	62	76.0	30	40	58	22	30	44.6
ACS560-01-073A-4	R4	37	50	73	104.0	37	50	68.4	30	40	61
ACS560-01-088A-4	R5	45	60	88	122.0	45	60	82.7	37	50	72
ACS560-01-106A-4	R5	55	75	106	148.0	55	75	99.8	45	60	87
ACS560-01-145A-4	R6	75	100	145	178.0	75	100	138	55	75	105
ACS560-01-169A-4	R7	90	120	169	247.0	90	120	161	75	100	145
ACS560-01-206A-4	R7	110	150	206	287.0	110	150	196	90	120	169
ACS560-01-246A-4	R8	132	180	246	350.2	132	180	234	110	150	206
ACS560-01-293A-4	R8	160	215	293	418.2	160	215	278	132	180	246*

ACS-BP-S Basic control panel is standard delivery.

6xDI, 3xR0,2xAI,2xAO, STO, Embedded Modbus RTU are standard delivery. 1 DI is configurable for Frequency Input (16kHz).

For derating at higher altitudes, temperatures or switching frequencies, refer to HW manuals.

Nominal ratings

I_N Rated current available continuously without overloadability at 40°C.

P_N Typical motor power in no-overload use.

Maximum output current

I_{max} Maximum output current. Available for 2 seconds at start, then as long as allowed by drive temperature.

Light overload use

I_{Ld} Continuous current when its used in Light duty applications, allows 110% of I for 1 minute every 10 minutes at +50 °C for frames R0 to R2, at +40 °C for frames R3 to R8.

P_{Ld} Typical motor power in light-duty use.

Heavy-duty use

I_{Hd} Continuous current when its used in Heavy duty applications, allows 150% of I_{Hd} for 1 minute every 10 minutes at +50 °C for frames R0 to R2, at +40 °C for frames R3 to R8.

* Continuous current when its used in Heavy duty applications, allows 130% of I_{Hd} for 1 minute every 10 minutes at +50 °C for frames R0 to R2, at +40 °C for frames R3 to R8.

P_{Hd} Typical motor power in heavy-duty use.

Options

–
01 Fieldbus option module

–
02 Optional Assistant control panel

–
03 Optional Bluetooth panel.

–
04 Cold configuration adapter CCA-01

Options	Code	Name	Description
Fieldbus, I/O option	+K454	FPBA-01	Profibus DP
(For RO-R2 frames, only	+K457	FCAN-01	Can Open
2 x DI, 1 x RO and STO will be	+K469	FECA-01	EtherCAT
available in the drive base unit	+K458	FSCA-01	Modbus RTU
if any fieldbus option is	+K473	FENA-11	Ethernet IP, Profinet, Modbus TCP
included.)	+K475	FENA-21	Two port Ethernet/IP™, Modbus TCP, PROFINET I/O
	+L515	BIO-01	BIO-01 I/O extension module. 3 x DI, 1 x AI and 1 x DO1. (Front option can be used with the fieldbus.)
Control Panel	+J400	ACS-AP-S	Assistant control panel with Hindi
(any of this plus code will	+J425	ACS-AP-I	Assistant control panel with Hindi
remove ACS-BP-S, basic panel	+J429	ACS-AP-W	Bluetooth control panel with Hindi
from delivery package)	+J424	RDUM-01	ACS560-01 dummy panel with power LE and PC communication provision
Cables	+J431	BCBL-01	USB to RJ45 PC connectivity cable (RS485)
Printed manuals	+R700	EN	ACS560-01 drives (0.75 to 160 kW) hardware and firmware manual (EN)
	TBD	HI	ACS560-01 drives (0.75 to 160 kW) hardware and firmware manual (HI)
	3AXD500-00010763	DPMP.EXT*	Door mounting kit for the panel (for one drive, contains both DPMP-02 and CDPI-01)
Cabinet door mounting kit	3AUA000-0108878	DPMP-01**	Control panel mounting platform (flush)
	3AXD5000-0009374	DPMP-02**	Control panel mounting platform (surface)
Configuration adapter	3AXD50000019865	CCA-01	Cold configurator adapter

*Suitable only for frames R3 - R8 •

**Need RDUM-01 (+ J424) additionally to have complete door mounting kit.



01



02



03



04

Options	Code	Name	Description
- 05 Remote monitoring tool	3AYN477110-CHK1A	CHK-01	For 2.6-4 A drives
	3AYN477110-CH K2A	CHK-02	For 5.6-7.2 A drives
	External input choke 3AYN477110-CH K3A	CHK-03	For 9.4-126A drives
	3AYN477110-CHK4A	CHK-04	For 17A drives
	3AYN477110-CHK5A	CHK-05	For 25A drives
- 06 Drive composer PC tool	3AYNSBR-RES99	RES99	2.2 kw max power- suitable for 2.6 - 5.6A drives*
	3AYNSBR-RES53	RES53	4 KW max power - suitable for 7.2 - 9.4A drives*
	3AYNSBR-RES32	RES32	7.5 KW max power - suitable for 12.6 - 17A drives*
	3AYNSBR-RES23	RES23	11 KW max power - suitable for 25A drives*
	3AYNSBR-RE516	RES16	15 KW max power - suitable for 33A drives*
	3AYNSBR-RES10	RES10	22 KW max power - suitable for 39 - 46A drives*
	Brake Resistors 3AVNSBR-RESM99	RESM99	2.2 KW max power - suitable for 2.6 - 5.6A drives**
	3AYNSBR-RESM53	RESM53	4 KW max power - suitable for 7.2 - 9.4A drives**
	3AYNSBR-RESM32	RESM32	7.5 KW max power - suitable for 12.6 - 17A drives**
	3AVNSBR-RESM23	RESM23	11 KW max power - suitable for 25A drives**
	3AYNSBR-RESM16	RESM16	15 KW max power - suitable for 33A drives**
	3AYNSBR-RESM10	RESM	22KW max power - suitable for 39 - 46A drives**
	Remote Monitoring	3AUA0000094517	NETA-21
PC tools	3AUA0000108087	DCPT-01	Drive composer pro PC tool (single user license)
	3AUA0000145150	DCPT-01	Drive composer pro PC tool (10 users license)
	3AUA0000145151	DCPT-01	Drive composer pro (20 users license)

Note: Drive composer entry (free version) PC tool can be downloaded from <http://abb.com/drives>

*1 mIn/5 min duty cycle - Refer Hardware manual for detailed information on brake resistor selection.

**10 Sec/2 min duty cycle - Refer Hardware manual for detailed information on brake resistor selection



05



06

ABB automation products

Wide range of solutions

ABB offers a wide range of industrial automation products, solutions and software catering to the market needs.

Software tools for ABB Drives

ABB offers several software tools to ease and enhance the use of ABB drives. These tools provide a user-friendly and easy-to-use approach for the selection, commissioning and use of ABB drives.

<http://abb.com/drives/software-tools>

Drive Composer

Drive composer is a start-up and maintenance tool for ABB's common architecture drives.

Drive Manager

Drive Manager for AC500 PLC is a tool in Automation Builder. This tool communicates with the drives connected to AC500 PLC's PROFIBUS or PROFINET network

Drive Size

DriveSize helps to select an optimal motor, drive and transformer. DriveSize can also be used to compute network harmonics and to create dimensioning documents. Two versions are available, one for online users (Drive Size Web), and the other can be installed on a PC.

Automation Builder

ABB Automation Builder is the integrated software suite for machine builders and system integrators. ABB Automation Builder covers the engineering of ABB PLCs, Safety PLCs, control panels, drives, motion and robots.

Mobile Tools for ABB Drives

ABB offers several smartphone applications to ease and enhance the use of ABB drives.

<http://abb.com/drives/mobile-tools>

Drive Tune App

Drivetune is the smartphone application which is capable of connecting wirelessly to ABB drives.

Energy save calculator

EnergySave is a user-friendly and interactive energy saving calculator for comparing AC drive control against traditional flow control methods in different applications such as pumps, fans and compressors.

Drive base App

Drivebase is an app that allows easy access to product manuals and search function for ABB contacts. The app also facilitates a capability to report service actions and provides users with service recommendations for their drives installed base.

Remote Monitoring for ABB Drives:

Remote Condition Monitoring is a service that delivers you accurate, real-time information about drive events to ensure your equipment is available, reliable and maintainable. When you have all the facts, you can make the right decisions.
<http://abb.com/drives/services/advanced-services-remote-condition-monitoring>

Industry specific drives & motion control

General purpose

All the essential features built-in, simplifying drive selection, installation and use.

Micro

Precise speed control and simple integration.

Machinery

Premium motor control with hardware flexibility, programmability and scalability for optimal solution.

Industrial

Our benchmark of performance, expertise and quality serving you locally on a global scale. Industry specific drives. Dedicated solutions for industries and applications such as HVAC, elevators, electric heavy machines, water and waste water.

-
- 01 AC500 PLC
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- 02 Software tools
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Motion control

Suitable for different applications from single to multi-axle machine control.

<http://abb.com/drives/low-voltage-ac>

ABB Motors & Generators:

ABB offers a comprehensive range of reliable and high efficiency motors and generators for all applications.

<http://abb.com/motors-generators>

<http://abb.com/plc>

AC500 PLC, Zenon SCADA, CP600 HMI:

AC500- ABB's high performance and modular PLC, CP600 HMI offers with wide range of functionality offers easy usability and Zenon SCADA securely delivers supervision, control, data acquisition, scheduling and performance reporting to users.

PS553 Drives library:

AC500 PLC library with pre-engineered function blocks and visualizations for control and diagnostics of ABB ACS drives. Available as free in Automation builder installation.

Soft starter

ABB's soft starters increase a motor's lifetime by protecting it from electrical stresses. They do so by letting you optimize starting currents that with conventional starting methods put lots of stress on the motor. With many built-in motor protection features, your motor is safe in its hands.

<http://abb.com/low-voltage/products/softstarters>



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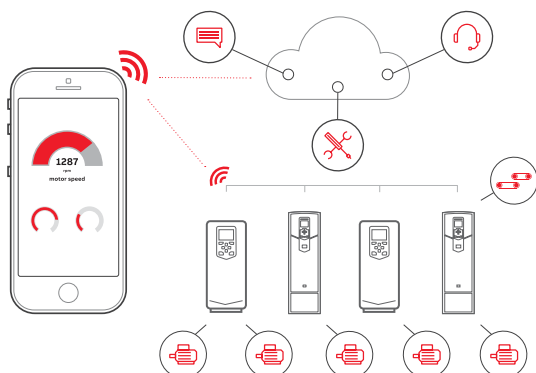
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04



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05

Save time, ease troubleshooting and improve drive performance with ABB smartphone apps

Better connectivity and user experience with Drivetune



Easy and fast access to product information and support

Manage your drives and the process lines and machines they control



Easy access to cloud-based drive and process information from anywhere via an online connection



Start up, commission and tune your drive and application

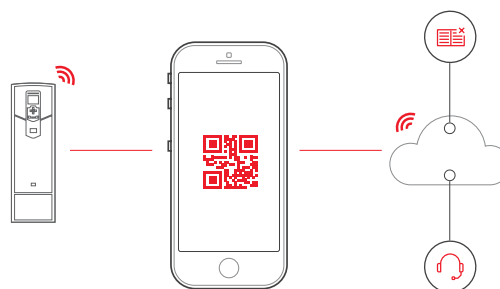


Simplified user guidance with instant access to drive status and configuration



Performance optimization via drive troubleshooting features and fast support

Services and support on the go with Drivebase



Search for support documents and contacts

Maintain and service all your installed drives on one or multiple sites



Access your product and service information in the cloud from anywhere



Access your drive's diagnostics data



Push notifications for critical product and service updates

Access information anywhere

Download the apps using the QR codes below or directly from the app stores



Drivetune for commissioning and managing drives

Drivebase for ensured reliability and reduced downtime on production sites

A lifetime of peak performance

You're in control of every life cycle phase of your drives. At the heart of drive services is a four-phase product life cycle management model. This model defines the services recommended and available throughout drives lifespan.

Now it's easy for you to see the exact service and maintenance available for your drives.

ABB drives life cycle phases explained:



		Limited range of life cycle	Replacement and end-of-life services
Product	Product is in active sales and	Serial production has ceased. Product may be available for plant extensions, as a spare part or for installed base	Product is
	Services	Full range of life cycle services is available. Product enhancements may be available through upgrade and retrofit solutions.	Limited range of life cycle services is available. Spare parts availability is limited to available stock.
		Replacement and end-of-life services are available.	

Keeping you informed

We notify you every step of the way using life cycle status statements and announcements.

Your benefit is clear information about your drives' status and precise services available. It helps you plan the preferred service actions ahead of time and make sure that continuous support is always available.

Step 1

Life Cycle Status Announcement

Provides early information about the upcoming life cycle phase change and how it affects the availability of services.

Step 2

Life Cycle Status Statement

Provides information about the drive's current life cycle status, availability of product and services, life cycle plan

Additional information

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