

ABB AC Drives

ACS 600 AC Drives for speed and torque control of 3 to 4000 HP (2.2 to 3000 kW) induction motors

ABB's ACS 600 AC Drives achieve the ultimate in AC motor control performance

Thanks to Direct Torque Control (DTC) technology, the ACS 600 performs precise speed and torque control of standard squirrel cage motors - without the added cost and inconvenience of pulse encoder feedback.

In fact, DTC has brought about fundamental changes to the way in which a motor can be controlled, so that now, in any application, the overall effectiveness of a drive is limited by the performance of the motor - not the drive.

- Motor starting torque up to 200 % with heavy duty rating
- Accurate open loop torque control
- Torque step rise time typically less than 5 ms
- Speed regulation typically 0.1 % to 0.5 % of nominal speed without encoder feedback

A broad product line to meet diverse needs

The ACS 600 product family includes models to suit virtually any application or operating environment, with a complete selection of voltage, power and enclosure ratings, combined with highly flexible control and communications capabilities.





Expanded versatility

The ACS 600 series provides a selection of ready-made application macros and a wide range of fully programmable inputs and outputs. Should your application require distributed or high resolution control signals, analog and digital extension modules can be added. Optional modules mount on standard DIN rails and connect via a high speed fiber optic link. Fieldbus adapter modules are available for all the common fieldbus standards including Modbus, Modbus Plus, DeviceNet, Profibus, ABB MasterField Bus, Interbus-S and others.

No challenge too simple or too demanding

ACS 600 AC Drives meet the needs of any application - from the simplest to the most critical and highly demanding.

- Pumps - centrifugal, positive displacement, metering.
- Fans - forced draft, induced draft, centrifugal, axial.
- Mixers.
- Conveyors, bottling lines, palletizers and other materials handling applications.
- Lifts, elevators, cranes, hoists.
- Winders - films, paper, wire.
- Centrifuges.
- Extruders - melt pumps, pelletizers.

Technical data

Input Power

Voltage	3 phase, 380 to 690 V ±10 % permitted tolerance
Frequency	48 to 63 Hz

Output Power

Voltage	3 phase, from 0 to applied incoming supply voltage
Frequency	0 to $3.2 \cdot f_{FWP}$

Environmental limits

Ambient temperature	0 to 40 °C
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Enclosure classes

Chassis (IP 00), NEMA 1 (IP 21) and NEMA 12 (IP 54)

Standard control connections

- 3 programmable differential analog inputs (1 voltage signal, 2 current signals)
 - 6 programmable digital inputs
 - 2 programmable analog outputs (current signals)
 - 3 programmable digital outputs (form C relays)
- Optional analog and digital extension modules can be added as well as a wide range of fieldbus adapters.

Protection

Overcurrent, short circuit, ground fault, input phase loss, output phase loss, motor overload (I^2t), overvoltage, undervoltage, overtemperature, motor stall.

Application macros

The ACS 600 features a selection of built-in, pre-programmed application macros for configuration of inputs, outputs and parameters as well as signal processing. These include:

- FACTORY SETTING for basic industrial applications
- HAND/AUTO CONTROL for local and remote operation
- PID CONTROL for closed loop processes
- TORQUE CONTROL for processes where torque control is required
- SEQUENCE CONTROL for repetitive cycles
- USER MACRO 1 & 2 for user's own parameter settings
- OPTIONAL Lead - Follower for load sharing

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General Part Number Description

Type Code: A C S 6 0 - - -

Input Bridge

- 0 = 6 Pulse
- 2 = 12 Pulse (2xR9, 2xR9 only)

Enclosure Type

- 1 = Wall mounted (ACS 601)
- 4 = Module (ACS 604)
- 7 = Std cabinet (ACS 607)

Rated output power in kVA (approx.)**Supply voltage**

- 3 = 380/400/415 VAC 2 = 208/230/240 VAC
- 4 = 380/400/415/440/460/480/500 VAC
- 5 = 380/400/415/440/460/480/500 VAC (2xR8 & 2xR9 only)
- 6 = 525/550/575/600/660/690 VAC

Option # 1 (ACS 601 only)

- 0 = None
- * = Option # 1 included

Option # 2 (ACS 607 only)

- 0 = None
- * = Option # 2 included

Option # 3 (ACS 607 only)

- 0 = None
- * = Option # 3 included

Software version**B = Standard Software (3-wire start) w/(English, French, Spanish, Portuguese)***M = Lead – Follower Macro**L = Lead – Follower Macro (2-wire start) w/(English, French, Spanish, Portuguese)**C = Standard Software (2-wire start) w/(English, German, Italian, Dutch)**D = Standard Software (2-wire start) w/(English, Danish, Finnish, Swedish)**E = Standard Software (2-wire start) w/(English, French, Spanish, Portuguese)**H = Pump, Fan, Control (R2 - R9 only)***Control Panel**

- 0 = None (See Control Panel Options for ACS 604)
- 1 = CDP 311 Control Panel included
- 4 = Customer I/O Terminal Block (ACS 607; R7 to 2xR9)
- 5 = Option 1 and 4

Enclosure class

- 0 = IP 00 (chassis)
 - A = IP 21 (TYPE 1; ACS 607, R7 - R9)
 - 2 = IP 22 (TYPE 1; ACS 601, R2 - R7, ACS 607, 2xR8 - 2xR9)
 - 4 = IP 42 (meets and exceeds TYPE 1 filtered; for ACS 607 drives only)
 - 5 = IP 54 (TYPE 12)
 - 6 = IP 00 With Conformal Coated Circuit Boards (ACS 604, R8 - R9)
 - 7 = IP 22 With Conformal Coated Circuit Boards (ACS 601, R7)
 - 9 = IP 54 With Conformal Coated Circuit Boards (ACS 601, R2 - R6, ACS 607 R7 - 2xR9)
- (NOTE: Not all enclosure classes available in all units.)

Line input and protection options

- 0 = Standard options (ACS 607 only disconnect switch, fuses)
- * = Line contactor and Coast stop devices

Starter for Auxiliary Motor Fan (ACS 607 only, voltage same as the unit U_1)

- 0 = None
- * = Starter included

External filters

- 0 = CE with EMC filters (Internal R2-R7 and 607; not for 690 VAC)
- 3 = Output dv/dt filters and option '0' - ACS 607 only (not for 690 VAC)
- 5 = Output dv/dt filters and option '9' - ACS 607 only
- 8 = No CE, no EMC filters, US conduit, (ACS 607 only, 115 VAC transformer secondary; compliant with NFPA 90)
- 9 = CE low voltage, machine directive; No EMC (ACS 607 only, secondary of all transformers 220 VAC)

Braking chopper and Cabling Direction

- 0 = No Brake Chopper - Bottom Entry / Bottom Exit (BE/BE)
- 1 = Brake Chopper (BE/BE)
- 3 = Input Power Top Entry / Output Power Bottom Exit (ACS 607 only)
- 4 = Input / Output Power Top Entry/Exit (ACS 607; R7 to R9 only)
- 5 = Option 1 and 3
- 6 = Option 1 and 4

Other options

- 0 = None

STANDARD PRODUCTS

ACS 601 Type 1 – 240VAC

TYPE 1 (IP 22) without fuses	Normal Use (10 % overload capacity)					Heavy-duty Use (50 % overload capacity)						Frame Type
	I_{2N} [A]	I_{2Nmax} 1/10min [A]	S_N [kVA]	P_N [kW]	P_N [HP]	I_{2hd} [A]	I_{2hdmax} 1/10min [A]	I_{2hdmax} 2/15s [A]	S_{hd} [kVA]	P_{hd} [kW]	P_{hd} [HP]	
ACS 601-0003-2-000B1200800	7.8	8.6	3	1.1	1.5	5	7.5	10	2	0.8	1	R2
ACS 601-0005-2-000B1200800	11	12.1	5	1.5	2	7.8	11.7	15.6	3	1.1	1.5	
ACS 601-0006-2-000B1200800	15	16.5	6	2.2	3	11	17	22	5	1.5	2	
ACS 601-0009-2-000B1200800	18	19.8	9	3.7	5	15	23	30	6	2.2	3	R3
ACS 601-0011-2-000B1200800	25	28	11	5.5	7.5	18	27	36	9	3.7	5	
ACS 601-0016-2-000B1200800	32	35	16	7.5	10	25	38	50	11	5.5	7.5	R4
ACS 601-0020-2-000B1200800	48	53	20	11	15	32	48	64	16	7.5	10	
ACS 601-0025-2-000B1200800	60	66	25	15	20	48	72	96	20	11	15	R5
ACS 601-0030-2-000B1200800	75	83	30	18.5	25	60	90	120	25	15	20	
ACS 601-0040-2-000B1200800	88	97	40	22	30	75	113	150	30	18.5	25	R6
ACS 601-0050-2-000B1200800	114	125	50	30	40	88	132	176	40	22	30	
ACS 601-0060-2-000B1200800	143	157	60	37	50	114	171	228	50	30	40	R7
ACS 601-0070-2-000B1200800	178	187	70	45	60	143	215	286	60	37	50	
ACS 601-0080-2-000B1200800	211	232	80	55	75	178	255	340	70	45	60	R7
ACS 601-0100-2-000B1200800	248	300	100	75	100	192	317	422	80	55	75	

ACS 601 Type 12 – 240VAC

TYPE 12 (IP 54) without fuses	Normal Use (10 % overload capacity)					Heavy-duty Use (50 % overload capacity)						Frame Type
	I_{2N} [A]	I_{2Nmax} 1/10min [A]	S_N [kVA]	P_N [kW]	P_N [HP]	I_{2hd} [A]	I_{2hdmax} 1/10min [A]	I_{2hdmax} 2/15s [A]	S_{hd} [kVA]	P_{hd} [kW]	P_{hd} [HP]	
ACS 601-0003-2-000B1500800	7.8	8.6	3	1.1	1.5	5	7.5	10	2	0.8	1	R2
ACS 601-0005-2-000B1500800	11	12.1	5	1.5	2	7.8	11.7	15.6	3	1.1	1.5	
ACS 601-0006-2-000B1500800	15	16.5	6	2.2	3	11	17	22	5	1.5	2	
ACS 601-0009-2-000B1500800	18	19.8	9	3.7	5	15	23	30	6	2.2	3	R3
ACS 601-0011-2-000B1500800	25	28	11	5.5	7.5	18	27	36	9	3.7	5	
ACS 601-0016-2-000B1500800	32	35	16	7.5	10	25	38	50	11	5.5	7.5	R4
ACS 601-0020-2-000B1500800	48	53	20	11	15	32	48	64	16	7.5	10	
ACS 601-0025-2-000B1500800	60	66	25	15	20	48	72	96	20	11	15	R5
ACS 601-0030-2-000B1500800	75	83	30	18.5	25	60	90	120	25	15	20	
ACS 601-0040-2-000B1500800	88	97	40	22	30	75	113	150	30	18.5	25	R6
ACS 601-0050-2-000B1500800	114	125	50	30	40	88	132	176	40	22	30	
ACS 601-0060-2-000B1500800	143	157	60	37	50	114	171	228	50	30	40	R7
ACS 601-0070-2-000B1500800	178	187	70	45	60	143	215	286	60	37	50	
ACS 601-0080-2-000B1500800	211	232	80	55	75	178	255	340	70	45	60	R7
ACS 601-0100-2-000B1500800	248	300	100	75	100	192	317	422	80	55	75	

STANDARD PRODUCTS

ACS 601 Type 1 – 380VAC

TYPE 1 (IP 22) without fuses	Normal Use (10 % overload capacity)					Heavy-duty Use (50 % overload capacity)						Frame Type
	I_{2N} [A]	I_{2Nmax} 1/10min [A]	S_N [kVA]	P_N [kW]	P_N [HP]	I_{2hd} [A]	I_{2hdmax} 1/10min [A]	I_{2hdmax} 2/15s [A]	S_{hd} [kVA]	P_{hd} [kW]	P_{hd} [HP]	
ACS 601-0005-3-000B1200800	7.6	8.4	5	3	3	6.2	9.3	12.4	4	2.2	3	R2
ACS 601-0006-3-000B1200800	11	12	6	4	5	7.6	11	15.2	5	3	3	
ACS 601-0009-3-000B1200800	15	17	9	5.5	7.5	11	17	22	6	4	5	
ACS 601-0011-3-000B1200800	18	20	11	7.5	10	15	23	30	9	5.5	7.5	R3
ACS 601-0016-3-000B1200800	24	26	16	11	15	18	27	36	11	7.5	10	
ACS 601-0020-3-000B1200800	32	35	20	15	20	24	36	48	16	11	15	R4
ACS 601-0025-3-000B1200800	41	45	25	18.5	25	32	48	64	20	15	20	
ACS 601-0030-3-000B1200800	47	52	30	22	30	41	62	82	25	18.5	25	R5
ACS 601-0040-3-000B1200800	62	68	40	30	40	47	71	94	30	22	30	
ACS 601-0050-3-000B1200800	76	84	50	37	50	62	93	124	40	30	40	
ACS 601-0060-3-000B1200800	89	98	60	45	60	76	114	152	50	37	50	R6
ACS 601-0070-3-000B1200800	112	123	70	55	75	89	134	178	60	45	60	
ACS 601-0100-3-000B1200900	147	162	100	75	100	112	168	224	70	55	75	R7
ACS 601-0120-3-000B1200900	178	196	120	90	125	147	221	294	100	75	100	

ACS 601 Type 12 – 380VAC

TYPE 12 (IP 54) without fuses	Normal Use (10 % overload capacity)					Heavy-duty Use (50 % overload capacity)						Frame Type
	I_{2N} [A]	I_{2Nmax} 1/10min [A]	S_N [kVA]	P_N [kW]	P_N [HP]	I_{2hd} [A]	I_{2hdmax} 1/10min [A]	I_{2hdmax} 2/15s [A]	S_{hd} [kVA]	P_{hd} [kW]	P_{hd} [HP]	
ACS 601-0005-3-000B1500800	7.6	8.4	5	3	3	6.2	9.3	12.4	4	2.2	3	R2
ACS 601-0006-3-000B1500800	11	12	6	4	5	7.6	11	15.2	5	3	3	
ACS 601-0009-3-000B1500800	15	17	9	5.5	7.5	11	17	22	6	4	5	
ACS 601-0011-3-000B1500800	18	20	11	7.5	10	15	23	30	9	5.5	7.5	R3
ACS 601-0016-3-000B1500800	24	26	16	11	15	18	27	36	11	7.5	10	
ACS 601-0020-3-000B1500800	32	35	20	15	20	24	36	48	16	11	15	R4
ACS 601-0025-3-000B1500800	41	45	25	18.5	25	32	48	64	20	15	20	
ACS 601-0030-3-000B1500800	47	52	30	22	30	41	62	82	25	18.5	25	R5
ACS 601-0040-3-000B1500800	62	68	40	30	40	47	71	94	30	22	30	
ACS 601-0050-3-000B1500800	76	84	50	37	50	62	93	124	40	30	40	
ACS 601-0060-3-000B1500800	89	98	60	45	60	76	114	152	50	37	50	R6
ACS 601-0070-3-000B1500800	112	123	70	55	75	89	134	178	60	45	60	

STANDARD PRODUCTS

ACS 607 Type 1 – 380VAC

TYPE 1 (IP 21) with fuses	Normal Use (10 % overload capacity)					Heavy-duty Use (50 % overload capacity)						Frame Type
	I_{2N} [A]	I_{2Nmax} 1/10min [A]	S_N [kVA]	P_N [kW]	P_N [HP]	I_{2hd} [A]	I_{2hdmax} 1/10min [A]	I_{2hdmax} 2/15s [A]	S_{hd} [kVA]	P_{hd} [kW]	P_{hd} [HP]	
ACS 607-0100-3-000B5A00840	147	162	100	75	100	112	168	224	70	55	75	R7
ACS 607-0120-3-000B5A00840	178	196	120	90	125	147	221	294	100	75	100	R8
ACS 607-0140-3-000B5A00840	216	238	140	110	150	178	267	356	120	90	125	
ACS 607-0170-3-000B5A00840	260	286	170	132	200	216	324	432	140	110	150	R9
ACS 607-0210-3-000B5A00840	316	348	210	160	250	260	390	520	170	132	200	
ACS 607-0260-3-000B5A00840	395	435	260	200	300	316	474	632	210	160	250	2xR8
ACS 607-0320-3-000B5A00840	480	528	320	250	350	395	593	790	260	200	300	
ACS 607-0400-3-000B5200900	600	661	400	315	400	494	741	988	320	250	350	2xR9
ACS 607-0490-3-000B5200900	751	827	490	400	500	600	901	1201	400	315	400	2xR9
ACS 607-0610-3-000B5200900	912	1003	610	500	600	751	1127	1502	490	400	500	

ACS 607 Type 12 – 380VAC

TYPE 12 (IP 54) with fuses	Normal Use (10 % overload capacity)					Heavy-duty Use (50 % overload capacity)						Frame Type
	I_{2N} [A]	I_{2Nmax} 1/10min [A]	S_N [kVA]	P_N [kW]	P_N [HP]	I_{2hd} [A]	I_{2hdmax} 1/10min [A]	I_{2hdmax} 2/15s [A]	S_{hd} [kVA]	P_{hd} [kW]	P_{hd} [HP]	
ACS 607-0100-3-000B5500840	147	162	100	75	100	112	168	224	70	55	75	R7
ACS 607-0120-3-000B5500840	178	196	120	90	125	147	221	294	100	75	100	R8
ACS 607-0140-3-000B5500840	216	238	140	110	150	178	267	356	120	90	125	
ACS 607-0170-3-000B5500840	260	286	170	132	200	216	324	432	140	110	150	R9
ACS 607-0210-3-000B5500840	316	348	210	160	250	260	390	520	170	132	200	
ACS 607-0260-3-000B5500840	395	435	260	200	300	316	474	632	210	160	250	2xR8
ACS 607-0320-3-000B5500840	480	528	320	250	350	395	593	790	260	200	300	
ACS 607-0400-3-000B5500900	600	661	400	315	400	494	741	988	320	250	350	2xR9
ACS 607-0490-3-000B5500900	751	827	490	400	500	600	901	1201	400	315	400	2xR9
ACS 607-0610-3-000B5500900	912	1003	610	500	600	751	1127	1502	490	400	500	

STANDARD PRODUCTS

ACS 601 Type 1 – 480VAC

TYPE 1 (IP 22) without fuses	Normal Use (10 % overload capacity)					Heavy-duty Use (50 % overload capacity)						Frame Type
	I_{2N} [A]	I_{2Nmax} 1/10min [A]	S_N [kVA]	P_N [kW]	P_N [HP]	I_{2hd} [A]	I_{2hdmax} 1/10min [A]	I_{2hdmax} 2/15s [A]	S_{hd} [kVA]	P_{hd} [kW]	P_{hd} [HP]	
ACS 601-0006-4-000B1200800	7.6	8.4	6	4	5	6.2	9.3	12.4	5	3	3	R2
ACS 601-0009-4-000B1200800	11	12	9	5.5	7.5	7.6	11	15.2	6	4	5	
ACS 601-0011-4-000B1200800	15	17	11	7.5	10	11	17	22	9	5.5	7.5	R3
ACS 601-0016-4-000B1200800	21	23	16	11	15	15	23	30	11	7.5	10	
ACS 601-0020-4-000B1200800	27	30	20	15	20	18	27	36	16	11	10	R4
ACS 601-0025-4-000B1200800	34	37	25	18.5	25	24	36	48	20	15	15	
ACS 601-0030-4-000B1200800	41	45	30	22	30	31	47	62	25	18.5	20	R5
ACS 601-0040-4-000B1200800	52	57	40	30	40	41	62	82	30	22	30	
ACS 601-0050-4-000B1200800	65	72	50	37	50	47	71	94	40	30	30	R6
ACS 601-0060-4-000B1200800	77	85	60	45	60	58	87	116	50	37	40	
ACS 601-0070-4-000B1200800	96	106	70	55	75	65	98	130	60	45	50	R7
ACS 601-0100-4-000B1200800	124	136	100	75	100	84	126	168	70	55	60	
ACS 601-0120-4-000B1200900	156	172	120	90	125	112	168	224	100	75	75	R7
ACS 601-0140-4-000B1200900	180	198	140	110	150	135	203	270	120	90	100	

ACS 601 Type 12 – 480VAC

TYPE 12 (IP 54) without fuses	Normal Use (10 % overload capacity)					Heavy-duty Use (50 % overload capacity)						Frame Type
	I_{2N} [A]	I_{2Nmax} 1/10min [A]	S_N [kVA]	P_N [kW]	P_N [HP]	I_{2hd} [A]	I_{2hdmax} 1/10min [A]	I_{2hdmax} 2/15s [A]	S_{hd} [kVA]	P_{hd} [kW]	P_{hd} [HP]	
ACS 601-0006-4-000B1500800	7.6	8.4	6	4	5	6.2	9.3	12.4	5	3	3	R2
ACS 601-0009-4-000B1500800	11	12	9	5.5	7.5	7.6	11	15.2	6	4	5	
ACS 601-0011-4-000B1500800	15	17	11	7.5	10	11	17	22	9	5.5	7.5	R3
ACS 601-0016-4-000B1500800	21	23	16	11	15	15	23	30	11	7.5	10	
ACS 601-0020-4-000B1500800	27	30	20	15	20	18	27	36	16	11	10	R4
ACS 601-0025-4-000B1500800	34	37	25	18.5	25	24	36	48	20	15	15	
ACS 601-0030-4-000B1500800	41	45	30	22	30	31	47	62	25	18.5	20	R5
ACS 601-0040-4-000B1500800	52	57	40	30	40	41	62	82	30	22	30	
ACS 601-0050-4-000B1500800	65	72	50	37	50	47	71	94	40	30	30	R6
ACS 601-0060-4-000B1500800	77	85	60	45	60	58	87	116	50	37	40	
ACS 601-0070-4-000B1500800	96	106	70	55	75	65	98	130	60	45	50	R6
ACS 601-0100-4-000B1500800	124	136	100	75	100	84	126	168	70	55	60	

STANDARD PRODUCTS

ACS 607 Type 1 – 480VAC

TYPE 1 (IP 21) with fuses	Normal Use (10 % overload capacity)					Heavy-duty Use (50 % overload capacity)						Frame Type
	I_{2N} [A]	I_{2Nmax} 1/10min [A]	S_N [kVA]	P_N [kW]	P_N [HP]	I_{2hd} [A]	I_{2hdmax} 1/10min [A]	I_{2hdmax} 2/15s [A]	S_{hd} [kVA]	P_{hd} [kW]	P_{hd} [HP]	
ACS 607-0120-4-000B5A00840	156	172	120	90	125	112	168	224	100	75	75	R7
ACS 607-0140-4-000B5A00840	180	198	140	110	150	135	203	270	120	90	100	
ACS 607-0170-4-000B5A00840	216	237	170	132	150	164	246	328	140	110	125	R8
ACS 607-0210-4-000B5A00840	260	286	210	160	200	200	300	400	170	132	150	
ACS 607-0260-4-000B5A00840	316	348	260	200	250	240	360	480	210	160	200	R9
ACS 607-0320-4-000B5A00840	414	455	320	250	300/350	300	450	600	260	200	250	
ACS 607-0400-4-000B5A00840	480	528	400	315	400	365	548	730	320	250	300	2xR8
ACS 607-0490-5-000B5200900	570	627	490	400	500	456	684	912	400	315	400	
ACS 607-0610-5-000B5200900	694	764	610	500	600	570	855	1140	490	400	500	2xR9
ACS 607-0760-5-000B5200900	874	961	760	630	700	694	1041	1388	610	500	600	

ACS 607 Type 12 – 480VAC

TYPE 12 (IP 54) with fuses	Normal Use (10 % overload capacity)					Heavy-duty Use (50 % overload capacity)						Frame Type
	I_{2N} [A]	I_{2Nmax} 1/10min [A]	S_N [kVA]	P_N [kW]	P_N [HP]	I_{2hd} [A]	I_{2hdmax} 1/10min [A]	I_{2hdmax} 2/15s [A]	S_{hd} [kVA]	P_{hd} [kW]	P_{hd} [HP]	
ACS 607-0120-4-000B5500840	156	172	120	90	125	112	168	224	100	75	75	R7
ACS 607-0140-4-000B5500840	180	198	140	110	150	135	203	270	120	90	100	
ACS 607-0170-4-000B5500840	216	237	170	132	150	164	246	328	140	110	125	R8
ACS 607-0210-4-000B5500840	260	286	210	160	200	200	300	400	170	132	150	
ACS 607-0260-4-000B5500840	316	348	260	200	250	240	360	480	210	160	200	R9
ACS 607-0320-4-000B5500840	414	455	320	250	300/350	300	450	600	260	200	250	
ACS 607-0400-4-000B5500900	480	528	400	315	400	365	548	730	320	250	300	2xR8
ACS 607-0490-5-000B5500900	570	627	490	400	500	456	684	912	400	315	400	
ACS 607-0610-5-000B5500900	694	764	610	500	600	570	855	1140	490	400	500	2xR9
ACS 607-0760-5-000B5500900	874	961	760	630	700	694	1041	1388	610	500	600	

STANDARD PRODUCTS

ACS 601 Type 1 – 575VAC

TYPE 1 (IP 22) without fuses	Normal Use (10 % overload capacity)					Heavy-duty Use (50 % overload capacity)						Frame Type
	I_{2N} [A]	I_{2Nmax} 1/10min [A]	S_N [kVA]	P_N [kW]	P_N [HP]	I_{2hd} [A]	I_{2hdmax} 1/10min [A]	I_{2hdmax} 2/15s [A]	S_{hd} [kVA]	P_{hd} [kW]	P_{hd} [HP]	
ACS 601-0009-6-000B1200900	7.6	11	9	5.5	7.5	6.2	9	9	6	4	5.0	R3
ACS 601-0011-6-000B1200900	11	12	11	7.5	10	7.6	11	11	9	5.5	7.5	
ACS 601-0016-6-000B1200900	15	17	16	11	15	11	17	17	11	7.5	10	
ACS 601-0020-6-000B1200900	20	22	20	15	20	15	23	23	16	11	15	
ACS 601-0025-6-000B1200900	25	28	25	18.5	25	20	30	30	20	15	20	R4
ACS 601-0030-6-000B1200900	28	31	30	22	30	25	38	38	25	18.5	25	
ACS 601-0040-6-000B1200900	36	40	40	30	40	28	42	42	30	22	30	R5
ACS 601-0050-6-000B1200900	44	48	50	37	50	36	54	54	40	30	40	R6
ACS 601-0060-6-000B1200900	52	57	60	45	60	44	66	66	50	37	50	
ACS 601-0070-6-000B1200900	65	72	70	55	75	52	78	78	60	45	60	R7
ACS 601-0100-6-000B1200900	88	97	100	75	100	65	98	98	70	55	75	
ACS 601-0120-6-000B1200900	105	116	120	90	125	88	132	132	100	75	100	

ACS 601 Type 12 – 575VAC

TYPE 12 (IP 54) without fuses	Normal Use (10 % overload capacity)					Heavy-duty Use (50 % overload capacity)						Frame Type
	I_{2N} [A]	I_{2Nmax} 1/10min [A]	S_N [kVA]	P_N [kW]	P_N [HP]	I_{2hd} [A]	I_{2hdmax} 1/10min [A]	I_{2hdmax} 2/15s [A]	S_{hd} [kVA]	P_{hd} [kW]	P_{hd} [HP]	
ACS 601-0009-6-000B1500900	7.6	11	9	5.5	7.5	6.2	9	9	6	4	5.0	R3
ACS 601-0011-6-000B1500900	11	12	11	7.5	10	7.6	11	11	9	5.5	7.5	
ACS 601-0016-6-000B1500900	15	17	16	11	15	11	17	17	11	7.5	10	
ACS 601-0020-6-000B1500900	20	22	20	15	20	15	23	23	16	11	15	
ACS 601-0025-6-000B1500900	25	28	25	18.5	25	20	30	30	20	15	20	R4
ACS 601-0030-6-000B1500900	28	31	30	22	30	25	38	38	25	18.5	25	
ACS 601-0040-6-000B1500900	36	40	40	30	40	28	42	42	30	22	30	R5
ACS 601-0050-6-000B1500900	44	48	50	37	50	36	54	54	40	30	40	R6
ACS 601-0060-6-000B1500900	52	57	60	45	60	44	66	66	50	37	50	
ACS 601-0070-6-000B1500900	65	72	70	55	75	52	78	78	60	45	60	

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Supersedes 12/21/98



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STANDARD PRODUCTS

ACS 607 Type 1 – 575VAC

TYPE 1 (IP 21) with fuses	Normal Use (10 % overload capacity)					Heavy-duty Use (50 % overload capacity)						Frame Type
	I_{2N} [A]	I_{2Nmax} 1/10min [A]	S_N [kVA]	P_N [kW]	P_N [HP]	I_{2hd} [A]	I_{2hdmax} 1/10min [A]	I_{2hdmax} 2/15s [A]	S_{hd} [kVA]	P_{hd} [kW]	P_{hd} [HP]	
ACS 607-0100-6-000B5A00540	88	97	100	75	100	65	98	130	70	55	75	R7
ACS 607-0120-6-000B5A00540	105	116	120	90	125	88	132	176	100	90	100	R8
ACS 607-0140-6-000B5A00540	127	140	140	110	150	105	158	210	120	90	125	
ACS 607-0170-6-000B5A00540	150	165	170	132	150	127	191	254	140	110	150	R9
ACS 607-0210-6-000B5A00540	179	197	210	160	200	150	225	300	170	132	150	
ACS 607-0260-6-000B5A00540	225	248	260	200	250	179	269	358	210	160	200	R9
ACS 607-0320-6-000B5A00540	265	292	320	250	300	225	338	450	260	200	250	
ACS 607-0400-6-000B5A00540	351	386	400	315	350	265	398	530	320	250	300	2xR8
ACS 607-0490-6-000B5200500	428	470	490	400	450	340	511	681	400	315	350	
ACS 607-0610-6-000B5200500	504	555	610	500	500	428	642	856	490	400	450	2xR9
ACS 607-0760-6-000B5200500	667	734	760	630	700	504	756	1008	610	500	500	

ACS 607 Type 12 – 575VAC

TYPE 12 (IP 54) with fuses	Normal Use (10 % overload capacity)					Heavy-duty Use (50 % overload capacity)						Frame Type
	I_{2N} [A]	I_{2Nmax} 1/10min [A]	S_N [kVA]	P_N [kW]	P_N [HP]	I_{2hd} [A]	I_{2hdmax} 1/10min [A]	I_{2hdmax} 2/15s [A]	S_{hd} [kVA]	P_{hd} [kW]	P_{hd} [HP]	
ACS 607-0100-6-000B5500540	88	97	100	75	100	65	98	130	70	55	75	R7
ACS 607-0120-6-000B5500540	105	116	120	90	125	88	132	176	100	90	100	R8
ACS 607-0140-6-000B5500540	127	140	140	110	150	105	158	210	120	90	125	
ACS 607-0170-6-000B5500540	150	165	170	132	150	127	191	254	140	110	150	R9
ACS 607-0210-6-000B5500540	179	197	210	160	200	150	225	300	170	132	150	
ACS 607-0260-6-000B5500540	225	248	260	200	250	179	269	358	210	160	200	R9
ACS 607-0320-6-000B5500540	265	292	320	250	300	225	338	450	260	200	250	
ACS 607-0400-6-000B5500540	351	386	400	315	350	265	398	530	320	250	300	2xR8
ACS 607-0490-6-000B5500500	428	470	490	400	450	340	511	681	400	315	350	
ACS 607-0610-6-000B5500500	504	555	610	500	500	428	642	856	490	400	450	2xR9
ACS 607-0760-6-000B5500500	667	734	760	630	700	504	756	1008	610	500	500	

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