

CERTIFICATE OF CONFORMITY

CoC/LVD/23/004

SGS

Product

Modular Frequency Converter

Certificate holder / Manufacturer

ABB Oy Drives
Hiomotie 13, FI – 00380 Helsinki, Finland

Manufacturing site

ABB Oy Drives
Hiomotie 13, FI – 00380 Helsinki, Finland

Type(s)

ACS880-17LC, ACS880-14LC, ACS880-107LC, ACS880-104LC, ACS880-37LC, ACS880-34LC, ACS880-207LC, ACS880-204LC, ACS880-304LC+A019, ACS880-307LC+A019, ACS880-1007LC, ACS880-604LC, ACS880-607LC, ACS880-604LC (NBRW), ACS880-607LC (NBRW), ACS880-07LC, ACS880-07CLC, ACS880-304LC+A018, ACS880-307LC+A018, ACS880-1604LC, ACS880-1607LC, BLCL-xx-5, BLCL-xx-7, WFU-xx, WBCA-xx, BL-xx-7, ACS880-104, ACS880-204, ACS880-304 + A003, ACS880-304 + A018, ACS880-07, ACS880-17, ACS880-37, ACS880-604, ACS880-904, ACS880-1604, ACS880-M04, ACS880-104, ACS880-204, ACS880-04, ACS880-14, ACS880-34, ACS880-07, ACS880-17, ACS880-37, ACS880-107, ACS880-207, ACS880-307, ACS880-607, ACS880-907, ACS880-1607, ACS880 MULTIDRIVE, ACS880-604, NBRA-659, NBRA-669, NRCB-010006, see pages 5-48 for detailed model listing.

Trade mark (if any)



Technical details / ratings

For voltage, current and frequency ratings, see pages 5-48. Class I.

Additional information (if any)

Sufficient samples of the product have been additionally tested and found to be in conformity with IEC 61800-5-1:2007 + AMD1:2016 and EN 61800-5-1:2007 + A1:2017 + A11:2021, see pages 3-4 for details. Parts of the tests have been performed by using CTF3 procedure.

Following standards have been applied

IEC 61800-5-1:2007 + AMD1:2016,
EN 61800-5-1:2007 + A1:2017 + A11:2021

SGS



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Member of the SGS Group (SGS SA)

**Evaluated documentation
(reference No., date)**

298490-1, 298490-2, 298490-3, 298490-4, 298490-5, 298591-1,
298488-1, 298488-4, 299467-1, 293372-1, HELES2103000287-1,
HELES2211001158-1...-8, HELES2301000158-1,
HELES2301000158-2, HELES2105000470-1,
HELES2203000335-1, HELES2304000494-1,
HELES2304000521-1, HELES2302000219-1,
HELES2302000219-2, HELES2303000345-1,
HELES2303000345-2, HELES2305000615-1,
HELES2305000616-1

This Certificate of Conformity is based on documentation of the product. Above mentioned Documentation of the product has been evaluated. Based on documentation the product has been found to be in conformity with the above-mentioned standard(s). It does not imply an assessment of the whole production or fulfillment of other additional requirements of the Directive. If a standard mentioned on this Certificate is withdrawn or removed from the list of harmonised standards under the Low Voltage Directive (2014/35/EU), a re-evaluation is needed.

This certificate can be used to demonstrate product compliance with the presumption that the product and standards mentioned does not change. The manufacturer must inform SGS Fimko if any changes made to the product covered by this certificate, as unauthorised modifications would invalidate this certificate. Surveillance activities are not part of this certificate.

It is the obligation of the certificate holder to demonstrate upon request that the product produced is identical to the certified product.

Date of issue

2023-10-26

SGS Fimko Ltd
Signature


Timo Leismala

Team Leader

Liquid cooled modular frequency converter series:

ACS880-17LC (liquid cooled cabinet installed regenerative drives)
 ACS880-14LC (liquid cooled regenerative drive module)
 ACS880-107LC (liquid cooled inverter unit)
 ACS880-104LC (liquid cooled inverter module)
 ACS880-37LC (liquid cooled cabinet installed low harmonic drives)
 ACS880-34LC (liquid cooled low harmonic drive module)
 ACS880-207LC (liquid cooled cabinet installed IGBT supply units)
 ACS880-204LC (liquid cooled IGBT supply unit)
 ACS880-07LC (liquid cooled cabinet installed drives)
 ACS880-304LC (liquid cooled diode supply unit)
 ACS880-307LC (cabinet installed liquid cooled diode supply unit)
 ACS880-07CLC (liquid cooled cabinet frequency converter)
 ACS880-604LC (liquid cooled 3-phase dynamic brake module)
 ACS880-607LC (liquid cooled 3-phase dynamic cabinet installed brake unit)
 ACS880-607LC (liquid cooled brake chopper unit)
 ACS880-604LC (liquid cooled brake chopper module with resistor module)
 NBRW-669C (brake chopper module)
 NRCB-010006 (resistor module)
 ACS880-1607LC (DC/DC converter unit)
 ACS880-1604LC (DC/DC converter module)

Air cooled modular frequency converter series:

ACS880-M04 (drive module of frame sizes R1 – R4)
 ACS880-104 R1i - R5i (air cooled inverter module)
 ACS880-104+V992 R6i / R7i (air cooled inverter module)
 ACS880-104 R8i (air cooled inverter module)
 WFU-01, WFU-02, WFU-11, WFU-21, WFU-22 (LCL filter for frequency converters with optional terminal boxes)
 WBCA-01, WBCA-11 and WBCA-21)
 BL-xx-7 (L filter module)
 BLCL-xx-5 and BLCL-xx-7 (LCL filter module)
 BDCL-xx-x (L filter for frequency converters with optional terminal boxes)
 ACS880-204 (IGBT supply module)
 ACS880-304 (diode supply modules D6D, D7D and D8D) and thyristor based supply modules D7T and D8T)
 ACS880-04 (single drive module package)
 ACS880-14 (regenerative single drive module package)
 ACS880-34 (low harmonic single drive module package)
 ACS880-07 (air-cooled cabinet-installed single drive)
 ACS880-17 (four-quadrant, air-cooled, cabinet-installed single drive)
 ACS880-37 (low-harmonic, air-cooled, cabinet-installed single drive)
 ACS880-204 (IGBT supply module)
 ACS880-604 (3-phase brake units as module)
 ACS880-904 (regenerative rectifier module)
 ACS880-1604 (DC/DC converter module)
 ACS880-107 (inverter unit)

ACS880-107 with option +C204
 ACS880-207 (IGBT supply unit)
 ACS880-307 (diode supply unit)
 ACS880-607 (3-phase brake unit)
 ACS880-907 (regenerative rectifier unit)
 ACS880-1607 (DC/DC converter unit)
 ACS880 MULTIDRIVE (Multi Drive)
 ACS880-607 (cabinet installed brake chopper unit)
 ACS880-604 (brake chopper unit, module with resistor module)
 NBRA-659, NBRA-669 (brake chopper module)
 NRCB-010006 (resistor module)

Additional information:

Altitude max. 4000 m (TN, TT and IT network, corner or not corner earthed), except:
 ACS880-107LC (R7i), ACS880-07CLC, ACS880-1007LC, ACS880-607LC (NBRW), ACS880-604LC (NBRW),
 brake chopper module NBRW-669, brake resistor module NRCB-010006 and corner earthed WFU+WBCA units:
 altitude max. 2000 m
 ACS880-17/-37: Max. 4000 m for line-to-line voltages ≤ 500 V, max. 2000 m for line-to-line voltages > 500 V
 ACS880-104 R5i: Max. 4000 m (TN, TT: Neutral earthed network systems)
 ACS880-M04/-04/-14/-34/-07/-17/-37/-104/-204/-604/-107/-207/-307/-607/-907/-1607, ACS880 MULTIDRIVE,
 NBRA-659, NBRA-669: Altitude max. 2000 m

IP classes:

Liquid cooled modules, BLCL/BDCL filter modules, air cooled inverter modules (-104), air cooled IGBT supply
 modules (-204), air cooled supply modules (-304), air cooled 3-phase brake modules (-604), air cooled regenerative
 rectifier modules (-904) and air cooled DC/DC converter modules (-1604):
 IP00.

BLCL filter modules installed in ACS880-207 cabinet installed IGBT supply units:
 IP20, IP42 or IP54.

Liquid cooled cabinets:
 IP20, IP42 or IP54.

WFU-01, WFU-02, WFU-11, WFU-21, WFU-22 units with options: WBCA-01, WBCA-11, WBCA-21:
 IP20

Air cooled modules ACS880-M04, ACS880-104, ACS880-204:
 IP20

Air cooled modules ACS880-304, ACS880-604, NBRA-659, NBRA-669, NRCB-010006:
 IP00

Air cooled ACS880-07/-17/-37 single drives, ACS880-107/-207/-307/-607/-907/-1607 units and ACS880 Multidrive:
 IP22, IP42 or IP54.

Liquid cooled inverter units ACS880-107LC:
 IP42 or IP54.

Ratings:								
Model	Frame (ISU + INU)	Supply module(s) used	Inverter module(s) used	Filter unit type	Input	Output		
ACS880- 17LC/-37LC-		ACS880- 204LC-	ACS880- 104LC-		I1 (A)	I2 (A)	Pn (kW)	Sn (kVA)
0390A-7	1xR8i + 1xR8i	0360A-7	0390A-7	BLCL-15LC-7	360	390	355	466
0430A-7	1xR8i + 1xR8i	0400A-7	0430A-7	BLCL-15LC-7	400	430	400	514
0480A-7	1xR8i + 1xR8i	0450A-7	0480A-7	BLCL-15LC-7	450	480	450	574
0520A-7	1xR8i + 1xR8i	0480A-7	0530A-7	BLCL-15LC-7	480	520	500	621
0600A-7	1xR8i + 1xR8i	0560A-7	0600A-7	BLCL-15LC-7	560	600	560	717
0670A-7	1xR8i + 1xR8i	0620A-7	0670A-7	BLCL-15LC-7	620	670	630	801
0750A-7	1xR8i + 1xR8i	0700A-7	0750A-7	BLCL-15LC-7	700	750	710	896
0830A-7	1xR8i + 1xR8i	0770A-7	0850A-7	BLCL-15LC-7	770	830	800	992
1000A-7	2xR8i + 2xR8i	0480A-7	0530A-7	BLCL-24LC-7	930	1000	1000	1195
1170A-7	2xR8i + 2xR8i	0560A-7	0600A-7	BLCL-24LC-7	1090	1170	1100	1398
1270A-7	2xR8i + 2xR8i	0620A-7	0670A-7	BLCL-24LC-7	1180	1270	1200	1518
1470A-7	2xR8i + 2xR8i	0700A-7	0750A-7	BLCL-25LC-7	1360	1470	1400	1757
1620A-7	2xR8i + 2xR8i	0770A-7	0850A-7	BLCL-25LC-7	1500	1620	1600	1936
1940A-7	3xR8i + 3xR8i	0620A-7	0670A-7	2x BLCL-24LC-7	1800	1940	1800	2319
2180A-7	3xR8i + 3xR8i	0700A-7	0750A-7	2x BLCL-24LC-7	2020	2180	2000	2605
2390A-7	3xR8i + 3xR8i	0770A-7	0850A-7	2x BLCL-24LC-7	2220	2390	2300	2856
2880A-7	4xR8i + 4xR8i	0700A-7	0750A-7	2x BLCL-25LC-7	2670	2880	2700	3442
3160A-7	4xR8i + 4xR8i	0770A-7	0850A-7	2x BLCL-25LC-7	2930	3160	3000	3777
3580A-7	5xR8i + 5xR8i	0700A-7	0750A-7	3x BLCL-24LC-7	3320	3580	3400	4279
4050A-7	6xR8i + 5xR8i	0700A-7	0850A-7	4x BLCL-24LC-7	3760	4050	3800	4840
4700A-7	6xR8i + 6xR8i	0770A-7	0850A-7	4x BLCL-24LC-7	4360	4700	4400	5617
5650A-7	8xR8i + 7xR8i	0700A-7	0850A-7	4x BLCL-25LC-7	5240	5650	5200	6752
6260A-7	8xR8i + 8xR8i	0770A-7	0850A-7	4x BLCL-25LC-7	5810	6260	6000	7481
With: U1: 3~525/600/690 V, U2: 3~0...U1, f2: 0...50 Hz, IP20 or IP42 or IP54, Icw = 65 kA. Class I								

Ratings:

Un=400 V							
Model	Frame size	Input		Output			
ACS880-104LC-		U1 VDC	I1 (A)	U2 (VAC)	I2 (A)	Pn (kW)	Sn (kVA)
0094A-3	R7i	566	106	3~ 0...400	85	45	65
0120A-3	R7i	566	129	3~ 0...400	104	55	80
0140A-3	R7i	566	159	3~ 0...400	141	75	98
0170A-3	R7i	566	191	3~ 0...400	169	90	118
0210A-3	R7i	566	232	3~ 0...400	206	110	143
0250A-3	R7i	566	277	3~ 0...400	246	132	170
0300A-3	R7i	566	340	3~ 0...400	300	160	209
0380A-3	R7i	566	428	3~ 0...400	374	200	263
0470A-3	R7i	566	523	3~ 0...400	465	250	322
0590A-3	2×R7i	566	664	3~ 0...400	576	315	409
0740A-3	2×R7i	566	833	3~ 0...400	730	400	513
0910A-3	2×R7i	566	1024	3~ 0...400	900	500	630
1120A-3	3×R7i	566	1260	3~ 0...400	1115	630	776
1350A-3	3×R7i	566	1519	3~ 0...400	1240	710	935
1460A-3	3×R7i	566	1643	3~ 0...400	1415	800	1012
1790A-3	4×R7i	566	2014	3~ 0...400	1769	1000	1240

With: f2: 0...500 Hz, IP00.

Un=500 V							
Model	Frame size	Input		Output			
ACS880-104LC-		U1 VDC	I1 (A)	U2 (VAC)	I2 (A)	Pn (kW)	Sn (kVA)
0094A-5	R7i	566/679/707	106	3~ 0...500	83	55	81
0120A-5	R7i	566/679/707	129	3~ 0...500	113	75	100
0140A-5	R7i	566/679/707	158	3~ 0...500	135	90	121
0170A-5	R7i	566/679/707	191	3~ 0...500	165	110	147
0200A-5	R7i	566/679/707	225	3~ 0...500	197	132	173
0240A-5	R7i	566/679/707	270	3~ 0...500	240	160	208

0300A-5	R7i	566/679/707	340	3~ 0...500	299	200	262
0380A-5	R7i	566/679/707	428	3~ 0...500	372	250	329
0460A-5	R7i	566/679/707	519	3~ 0...500	461	315	399
0590A-5	2×R7i	566/679/707	664	3~ 0...500	584	400	511
0740A-5	2×R7i	566/679/707	833	3~ 0...500	720	500	641
0900A-5	2×R7i	566/679/707	1013	3~ 0...500	892	630	779
1110A-5	3×R7i	566/679/707	1249	3~ 0...500	992	710	961
1340A-5	3×R7i	566/679/707	1508	3~ 0...500	1274	900	1160
1460A-5	4×R7i	566/679/707	1643	3~ 0...500	1415	1000	1264
1770A-5	4×R7i	566/679/707	1991	3~ 0...500	1698	1200	1533

With: f2: 0...500 Hz, IP00.

Model	Frame size	Input		Output			
		U1 VDC	I1 (A)	U2 (VAC)	I2 (A)	Pn (kW)	Sn (kVA)
ACS880-104LC-							
0062A-7	R7i	742/849/976	70	3~0...525/600/690	62	55	74
0082A-7	R7i	742/849/976	92	3~0...525/600/690	82	75	98
0100A-7	R7i	742/849/976	111	3~0...525/600/690	99	90	118
0130A-7	R7i	742/849/976	141	3~0...525/600/690	125	110	149
0140A-7	R7i	742/849/976	162	3~0...525/600/690	144	132	172
0190A-7	R7i	742/849/976	216	3~0...525/600/690	192	160	229
0220A-7	R7i	742/849/976	244	3~0...525/600/690	217	200	259
0290A-7	R7i	742/849/976	325	3~0...525/600/690	289	250	345
0340A-7	R7i	742/849/976	383	3~0...525/600/690	340	315	406
0389A-7	R7i	742/849/976	439	3~0...525/600/690	390	355	466
0560A-7	2×R7i	742/849/976	630	3~0...525/600/690	560	500	669
0660A-7	2×R7i	742/849/976	743	3~0...525/600/690	660	630	789
0760A-7	2×R7i	742/849/976	855	3~0...525/600/690	760	710	908
0840A-7	3×R7i	742/849/976	945	3~0...525/600/690	840	800	1004
0980A-7	3×R7i	742/849/976	1103	3~0...525/600/690	980	900	1171
1130A-7	3×R7i	742/849/976	1271	3~0...525/600/690	1130	1000	1350
1300A-7	4×R7i	742/849/976	1463	3~0...525/600/690	1300	1200	1554
1490A-7	4×R7i	742/849/976	1676	3~0...525/600/690	1490	1400	1781

With: f2: 0...500 Hz, IP00.

Frame R7i and multiples:

Frame size	Inverter unit type	Qty	Modules used
R7i	ACS880-104LC-0094A-3	1	ACS880-104LC-0094A-3(+E205)
R7i	ACS880-104LC-0120A-3	1	ACS880-104LC-0120A-3(+E205)
R7i	ACS880-104LC-0140A-3	1	ACS880-104LC-0140A-3(+E205)
R7i	ACS880-104LC-0170A-3	1	ACS880-104LC-0170A-3(+E205)
R7i	ACS880-104LC-0210A-3	1	ACS880-104LC-0210A-3(+E205)
R7i	ACS880-104LC-0250A-3	1	ACS880-104LC-0250A-3(+E205)
R7i	ACS880-104LC-0300A-3	1	ACS880-104LC-0300A-3(+E205)
R7i	ACS880-104LC-0380A-3	1	ACS880-104LC-0380A-3(+E205)
R7i	ACS880-104LC-0470A-3	1	ACS880-104LC-0470A-3(+E205)
R7i	ACS880-104LC-0590A-3	2	ACS880-104LC-0300A-3+E205
R7i	ACS880-104LC-0740A-3	2	ACS880-104LC-0380A-3+E205
R7i	ACS880-104LC-0910A-3	2	ACS880-104LC-0470A-3+E205
R7i	ACS880-104LC-1120A-3	3	ACS880-104LC-0380A-3+E205
R7i	ACS880-104LC-1350A-3	3	ACS880-104LC-0470A-3+E205
R7i	ACS880-104LC-1460A-3	4	ACS880-104LC-0380A-3+E205
R7i	ACS880-104LC-1790A-3	4	ACS880-104LC-0470A-3+E205

Frame size	Inverter unit type	Qty	Modules used
R7i	ACS880-104LC-0094A-5	1	ACS880-104LC-0094A-5(+E205)
R7i	ACS880-104LC-0120A-5	1	ACS880-104LC-0120A-5(+E205)
R7i	ACS880-104LC-0140A-5	1	ACS880-104LC-0140A-5(+E205)
R7i	ACS880-104LC-0170A-5	1	ACS880-104LC-0170A-5(+E205)
R7i	ACS880-104LC-0200A-5	1	ACS880-104LC-0200A-5(+E205)
R7i	ACS880-104LC-0240A-5	1	ACS880-104LC-0240A-5(+E205)
R7i	ACS880-104LC-0300A-5	1	ACS880-104LC-0300A-5(+E205)
R7i	ACS880-104LC-0380A-5	1	ACS880-104LC-0380A-5(+E205)
R7i	ACS880-104LC-0460A-5	1	ACS880-104LC-0460A-5(+E205)
R7i	ACS880-104LC-0590A-5	2	ACS880-104LC-0300A-5+E205
R7i	ACS880-104LC-0740A-5	2	ACS880-104LC-0380A-5+E205
R7i	ACS880-104LC-0900A-5	2	ACS880-104LC-0460A-5+E205
R7i	ACS880-104LC-1110A-5	3	ACS880-104LC-0380A-5+E205
R7i	ACS880-104LC-1340A-5	3	ACS880-104LC-0460A-5+E205
R7i	ACS880-104LC-1460A-5	4	ACS880-104LC-0380A-5+E205
R7i	ACS880-104LC-1770A-5	4	ACS880-104LC-0460A-5+E205

Frame size	Inverter unit type	Qty	Modules used
R7i	ACS880-104LC-0062A-7	1	ACS880-104LC-0062A-7+E205
R7i	ACS880-104LC-0082A-7	1	ACS880-104LC-0082A-7+E205
R7i	ACS880-104LC-0100A-7	1	ACS880-104LC-0100A-7+E205
R7i	ACS880-104LC-0130A-7	1	ACS880-104LC-0130A-7+E205
R7i	ACS880-104LC-0140A-7	1	ACS880-104LC-0140A-7+E205
R7i	ACS880-104LC-0190A-7	1	ACS880-104LC-0190A-7+E205

R7i	ACS880-104LC-0220A-7	1	ACS880-104LC-0220A-7+E205
R7i	ACS880-104LC-0290A-7	1	ACS880-104LC-0290A-7+E205
R7i	ACS880-104LC-0340A-7	1	ACS880-104LC-0340A-7+E205
R7i	ACS880-104LC-0389A-7	1	ACS880-104LC-0389A-7+E205
R7i	ACS880-104LC-0560A-7	2	ACS880-104LC-0290A-7+E205
R7i	ACS880-104LC-0660A-7	2	ACS880-104LC-0340A-7+E205
R7i	ACS880-104LC-0760A-7	2	ACS880-104LC-0389A-7+E205
R7i	ACS880-104LC-0840A-7	3	ACS880-104LC-0290A-7+E205
R7i	ACS880-104LC-0980A-7	3	ACS880-104LC-0340A-7+E205
R7i	ACS880-104LC-1130A-7	3	ACS880-104LC-0389A-7+E205

Ratings:

Un = 500 V							
Model	Frame size	Input		Output			
ACS880-107LC-		U1 VDC	I1 (A)	U2 (VAC)	I2 (A)	Pn (kW)	Sn (kVA)
0094A-5	1xR7i	566/679/707	106	3~ 0...500	94	55	81
0120A-5	1xR7i	566/679/707	129	3~ 0...500	115	75	100
0140A-5	1xR7i	566/679/707	158	3~ 0...500	140	100	121
0170A-5	1xR7i	566/679/707	191	3~ 0...500	170	110	147
0200A-5	1xR7i	566/679/707	225	3~ 0...500	200	132	173
0240A-5	1xR7i	566/679/707	270	3~ 0...500	240	160	208
0300A-5	1xR7i	566/679/707	340	3~ 0...500	302	200	262
0380A-5	1xR7i	566/679/707	428	3~ 0...500	380	250	329
0460A-5	1xR7i	566/679/707	519	3~ 0...500	461	315	399

Un = 690 V							
Model	Frame size	Input		Output			
ACS880-107LC-		U1 VDC	I1 (A)	U2 (VAC)	I2 (A)	Pn (kW)	Sn (kVA)
0062A-7	1xR7i	742/849/976	70	3~0...525/600/690	62	55	74
0082A-7	1xR7i	742/849/976	92	3~0...525/600/690	82	75	98
0100A-7	1xR7i	742/849/976	111	3~0...525/600/690	99	90	118
0130A-7	1xR7i	742/849/976	141	3~0...525/600/690	125	110	149
0140A-7	1xR7i	742/849/976	162	3~0...525/600/690	144	132	172
0190A-7	1xR7i	742/849/976	216	3~0...525/600/690	192	160	229
0220A-7	1xR7i	742/849/976	244	3~0...525/600/690	217	200	259
0290A-7	1xR7i	742/849/976	325	3~0...525/600/690	289	250	345
0340A-7	1xR7i	742/849/976	383	3~0...525/600/690	340	315	406
0389A-7	1xR7i	742/849/976	439	3~0...525/600/690	390	355	466

With: f2: 0..500 Hz, IP42 or IP54.

Model ACS880-107LC-	Qty / Frame size	Module used
0094A-5	1xR7i	ACS880-104LC-0094A-5+(E205)
0120A-5	1xR7i	ACS880-104LC-0120A-5+(E205)
0140A-5	1xR7i	ACS880-104LC-0140A-5+(E205)
0170A-5	1xR7i	ACS880-104LC-0170A-5+(E205)
0200A-5	1xR7i	ACS880-104LC-0200A-5+(E205)
0240A-5	1xR7i	ACS880-104LC-0240A-5+(E205)
0300A-5	1xR7i	ACS880-104LC-0300A-5+(E205)
0380A-5	1xR7i	ACS880-104LC-0380A-5+(E205)
0460A-5	1xR7i	ACS880-104LC-0460A-5+(E205)

Model ACS880-107LC-	Qty / Frame size	Module used
0062A-7	1xR7i	ACS880-104LC-0062A-7+E205
0082A-7	1xR7i	ACS880-104LC-0082A-7+E205
0100A-7	1xR7i	ACS880-104LC-0100A-7+E205
0130A-7	1xR7i	ACS880-104LC-0130A-7+E205
0140A-7	1xR7i	ACS880-104LC-0140A-7+E205
0190A-7	1xR7i	ACS880-104LC-0190A-7+E205
0220A-7	1xR7i	ACS880-104LC-0220A-7+E205
0290A-7	1xR7i	ACS880-104LC-0290A-7+E205
0340A-7	1xR7i	ACS880-104LC-0340A-7+E205
0389A-7	1xR7i	ACS880-104LC-0389A-7+E205

+E205: Internal du/dt filtering. Default with 690 V modules but can be omitted if allowed by motor design. Mandatory for parallel-connected modules.

Ratings:

Model	Frame size	Input		Output			
		U1 VDC	I1 (A)	U2 (VAC)	I2 (A)	Pn (kW)	Sn (kVA)
ACS880-104LC-/ACS880-107LC							
0390A-7	R8i	742/849/976	439	3~0...525/600/690	390	355	466
0430A-7	R8i	742/849/976	484	3~0...525/600/690	430	400	514
0480A-7	R8i	742/849/976	540	3~0...525/600/690	480	450	574
0530A-7	R8i	742/849/976	596	3~0...525/600/690	530	500	633
0600A-7	R8i	742/849/976	675	3~0...525/600/690	600	560	717
0670A-7	R8i	742/849/976	754	3~0...525/600/690	670	630	801
0750A-7	R8i	742/849/976	844	3~0...525/600/690	750	710	896
0850A-7	R8i	742/849/976	956	3~0...525/600/690	850	800	1016
1030A-7	2xR8i	742/849/976	1159	3~0...525/600/690	1030	1000	1231
1170A-7	2xR8i	742/849/976	1316	3~0...525/600/690	1170	1100	1398
1310A-7	2xR8i	742/849/976	1474	3~0...525/600/690	1310	1200	1566
1470A-7	2xR8i	742/849/976	1654	3~0...525/600/690	1470	1400	1757
1660A-7	2xR8i	742/849/976	1868	3~0...525/600/690	1660	1600	1984
1940A-7	3xR8i	742/849/976	2183	3~0...525/600/690	1940	1800	2319
2180A-7	3xR8i	742/849/976	2453	3~0...525/600/690	2180	2000	2605
2470A-7	3xR8i	742/849/976	2779	3~0...525/600/690	2470	2300	2952
2880A-7	4xR8i	742/849/976	3240	3~0...525/600/690	2880	2700	3442
3260A-7	4xR8i	742/849/976	3668	3~0...525/600/690	3260	3000	3896
With: f2: 0...500 Hz.							

Supply unit type	Basic module type	Frame size	Input		Output			
			U1 (VAC)	I1 (A)	U2 (VDC)	I2 (A)	Pn (kW)	Sn (kVA)
ACS880-307LC-	ACS880-304LC-							
0820A-7+A019	0820A-7+A019	1xD8D	3~525/600/690	820	709/810/932	1000	932	980
1540A-7+A019	1540A-7+A019	2xD8D	3~525/600/690	1540	709/810/932	1880	1752	1840
2290A-7+A019	2290A-7+A019	3xD8D	3~525/600/690	2290	709/810/932	2805	2614	2737
3040A-7+A019	3040A-7+A019	4xD8D	3~525/600/690	3040	709/810/932	3720	3466	3633
With: f1: 50/60 Hz								

Ratings for Liquid cooled cabinet frequency converter:

Model	Frame	Input		Output			
ACS880-07CLC-		U1 (VAC)	I1 (A)	U2 (VDC)	I2 (A)	Pn (kW)	Sn (kVA)
6-pulse connection							
0390A-7	1xD8D + 1xR8i	525/600/690	357	3~0...U1	390	355	466
0430A-7	1xD8D + 1xR8i	525/600/690	394	3~0...U1	430	400	514
0480A-7	1xD8D + 1xR8i	525/600/690	439	3~0...U1	480	450	574
0530A-7	1xD8D + 1xR8i	525/600/690	485	3~0...U1	530	500	633
0600A-7	1xD8D + 1xR8i	525/600/690	549	3~0...U1	600	560	717
0670A-7	1xD8D + 1xR8i	525/600/690	613	3~0...U1	670	630	801
0750A-7	1xD8D + 1xR8i	525/600/690	686	3~0...U1	750	710	896
0850A-7	1xD8D + 1xR8i	525/600/690	778	3~0...U1	850	800	1016
1030A-7	2xD8D + 2xR8i	525/600/690	943	3~0...U1	1030	1000	1231
1170A-7	2xD8D + 2xR8i	525/600/690	1071	3~0...U1	1170	1100	1398
1310A-7	2xD8D + 2xR8i	525/600/690	1199	3~0...U1	1310	1200	1566
1470A-7	2xD8D + 2xR8i	525/600/690	1345	3~0...U1	1470	1400	1757
1660A-7	2xD8D + 2xR8i	525/600/690	1519	3~0...U1	1660	1600	1984
1940A-7	3xD8D + 3xR8i	525/600/690	1775	3~0...U1	1940	1800	2319
2180A-7	3xD8D + 3xR8i	525/600/690	1995	3~0...U1	2180	2000	2605
2470A-7	3xD8D + 3xR8i	525/600/690	2261	3~0...U1	2470	2300	2952
2880A-7	4xD8D + 4xR8i	525/600/690	2636	3~0...U1	2880	2700	3442
3260A-7	4xD8D + 4xR8i	525/600/690	2984	3~0...U1	3260	3000	3896
12-pulse connection							
0530A-7+A004	2xD8D + 1xR8i	525/600/690	485	3~0...U1	530	500	633
0600A-7+A004	2xD8D + 1xR8i	525/600/690	549	3~0...U1	600	560	717
0670A-7+A004	2xD8D + 1xR8i	525/600/690	613	3~0...U1	670	630	801
0750A-7+A004	2xD8D + 1xR8i	525/600/690	686	3~0...U1	750	710	896
0850A-7+A004	2xD8D + 1xR8i	525/600/690	778	3~0...U1	850	800	1016
1030A-7+A004	2xD8D + 2xR8i	525/600/690	943	3~0...U1	1030	1000	1231
1170A-7+A004	2xD8D + 2xR8i	525/600/690	1071	3~0...U1	1170	1100	1398
1310A-7+A004	2xD8D + 2xR8i	525/600/690	1199	3~0...U1	1310	1200	1566
1470A-7+A004	2xD8D + 2xR8i	525/600/690	1345	3~0...U1	1470	1400	1757

1660A-7+A004	2xD8D + 2xR8i	525/600/690	1519	3~0...U1	1660	1600	1984
1940A-7+A004	4xD8D + 3xR8i	525/600/690	1775	3~0...U1	1940	1800	2319
2180A-7+A004	4xD8D + 3xR8i	525/600/690	1995	3~0...U1	2180	2000	2605
2470A-7+A004	4xD8D + 3xR8i	525/600/690	2261	3~0...U1	2470	2300	2952
2880A-7+A004	4xD8D + 4xR8i	525/600/690	2636	3~0...U1	2880	2700	3442
3260A-7+A004	4xD8D + 4xR8i	525/600/690	2984	3~0...U1	3260	3000	3896
3580A-7+A004	6xD8D + 5xR8i	525/600/690	3276	3~0...U1	3580	3400	4279
4050A-7+A004	6xD8D + 5xR8i	525/600/690	3707	3~0...U1	4050	3800	4840
4840A-7+A004	6xD8D + 6xR8i	525/600/690	4430	3~0...U1	4840	4400	5784
5650A-7+A004	8xD8D + 7xR8i	525/600/690	5171	3~0...U1	5650	5200	6752
6460A-7+A004	8xD8D + 8xR8i	525/600/690	5912	3~0...U1	6460	6000	7720
24-pulse connection							
2470A-7+A004	4xD8D + 3xR8i	525/600/690	2261	3~0...U1	2470	2300	2952
3260A-7+A004	4xD8D + 4xR8i	525/600/690	2984	3~0...U1	3260	3000	3896
4840A-7+A004	8xD8D + 6xR8i	525/600/690	4430	3~0...U1	4840	4400	5784
5650A-7+A004	8xD8D + 7xR8i	525/600/690	5171	3~0...U1	5650	5200	6752
6460A-7+A004	8xD8D + 8xR8i	525/600/690	5912	3~0...U1	6460	6000	7720
With: f2: 0...500 Hz, IP42 or IP54, I _{cw} = 65 kA. Class 1.							

The frequency converter consists of following supply unit and inverter types:

Frequency converter	Supply unit type (D8D)	Inverter type (R8i)
6-pulse connection		
ACS880-07CLC-0390A-7	ACS880-307LC-0820A-7+A019	ACS880-107LC-0390A-7
ACS880-07CLC-0430A-7	ACS880-307LC-0820A-7+A019	ACS880-107LC-0430A-7
ACS880-07CLC-0480A-7	ACS880-307LC-0820A-7+A019	ACS880-107LC-0480A-7
ACS880-07CLC-0530A-7	ACS880-307LC-0820A-7+A019	ACS880-107LC-0530A-7
ACS880-07CLC-0600A-7	ACS880-307LC-0820A-7+A019	ACS880-107LC-0600A-7
ACS880-07CLC-0670A-7	ACS880-307LC-0820A-7+A019	ACS880-107LC-0670A-7
ACS880-07CLC-0750A-7	ACS880-307LC-0820A-7+A019	ACS880-107LC-0750A-7
ACS880-07CLC-0850A-7	ACS880-307LC-0820A-7+A019	ACS880-107LC-0850A-7
ACS880-07CLC-1030A-7	ACS880-307LC-1540A-7+A019	ACS880-107LC-1030A-7
ACS880-07CLC-1170A-7	ACS880-307LC-1540A-7+A019	ACS880-107LC-1170A-7
ACS880-07CLC-1310A-7	ACS880-307LC-1540A-7+A019	ACS880-107LC-1310A-7
ACS880-07CLC-1470A-7	ACS880-307LC-1540A-7+A019	ACS880-107LC-1470A-7

ACS880-07CLC-1660A-7	ACS880-307LC-1540A-7+A019	ACS880-107LC-1660A-7
ACS880-07CLC-1940A-7	ACS880-307LC-2290A-7+A019	ACS880-107LC-1940A-7
ACS880-07CLC-2180A-7	ACS880-307LC-2290A-7+A019	ACS880-107LC-2180A-7
ACS880-07CLC-2470A-7	ACS880-307LC-2290A-7+A019	ACS880-107LC-2470A-7
ACS880-07CLC-2880A-7	ACS880-307LC-3040A-7+A019	ACS880-107LC-2880A-7
ACS880-07CLC-3260A-7	ACS880-307LC-3040A-7+A019	ACS880-107LC-3260A-7
12-pulse connection		
ACS880-07CLC-0530A-7+A004	ACS880-307LC-1540A-7+A004+A019	ACS880-107LC-0530A-7
ACS880-07CLC-0600A-7+A004	ACS880-307LC-1540A-7+A004+A019	ACS880-107LC-0600A-7
ACS880-07CLC-0670A-7+A004	ACS880-307LC-1540A-7+A004+A019	ACS880-107LC-0670A-7
ACS880-07CLC-0750A-7+A004	ACS880-307LC-1540A-7+A004+A019	ACS880-107LC-0750A-7
ACS880-07CLC-0850A-7+A004	ACS880-307LC-1540A-7+A004+A019	ACS880-107LC-0850A-7
ACS880-07CLC-1030A-7+A004	ACS880-307LC-1540A-7+A004+A019	ACS880-107LC-1030A-7
ACS880-07CLC-1170A-7+A004	ACS880-307LC-1540A-7+A004+A019	ACS880-107LC-1170A-7
ACS880-07CLC-1310A-7+A004	ACS880-307LC-1540A-7+A004+A019	ACS880-107LC-1310A-7
ACS880-07CLC-1470A-7+A004	ACS880-307LC-1540A-7+A004+A019	ACS880-107LC-1470A-7
ACS880-07CLC-1660A-7+A004	ACS880-307LC-1540A-7+A004+A019	ACS880-107LC-1660A-7
ACS880-07CLC-1940A-7+A004	ACS880-307LC-3040A-7+A004+A019	ACS880-107LC-1940A-7
ACS880-07CLC-2180A-7+A004	ACS880-307LC-3040A-7+A004+A019	ACS880-107LC-2180A-7
ACS880-07CLC-2470A-7+A004	ACS880-307LC-3040A-7+A004+A019	ACS880-107LC-2470A-7
ACS880-07CLC-2880A-7+A004	ACS880-307LC-3040A-7+A004+A019	ACS880-107LC-2880A-7
ACS880-07CLC-3260A-7+A004	ACS880-307LC-3040A-7+A004+A019	ACS880-107LC-3260A-7
ACS880-07CLC-3580A-7+A004	ACS880-307LC-4510A-7+A004+A019	ACS880-107LC-3580A-7
ACS880-07CLC-4050A-7+A004	ACS880-307LC-4510A-7+A004+A019	ACS880-107LC-4050A-7
ACS880-07CLC-4840A-7+A004	ACS880-307LC-4510A-7+A004+A019	ACS880-107LC-4840A-7
ACS880-07CLC-5650A-7+A004	ACS880-307LC-5940A-7+A004+A019	ACS880-107LC-5650A-7
ACS880-07CLC-6460A-7+A004	ACS880-307LC-5940A-7+A004+A019	ACS880-107LC-6460A-7
24-pulse connection		
ACS880-07CLC-2470A-7+A006	ACS880-307LC-3040A-7+A006+A019	ACS880-107LC-2470A-7
ACS880-07CLC-3260A-7+A006	ACS880-307LC-3040A-7+A006+A019	ACS880-107LC-3260A-7
ACS880-07CLC-4840A-7+A006	ACS880-307LC-5940A-7+A006+A019	ACS880-107LC-4840A-7
ACS880-07CLC-5650A-7+A006	ACS880-307LC-5940A-7+A006+A019	ACS880-107LC-5650A-7
ACS880-07CLC-6460A-7+A006	ACS880-307LC-5940A-7+A006+A019	ACS880-107LC-6460A-7

Ratings for Liquid cooling unit for frequency converter:

Type	U	I	f	Pout	Motor connection	Cooling capacity
ACS880-1007LC-						
0070-7	3~660/690 VAC	1,85/1,84 A	50 Hz	1,5 kW	Y	70 kW
0070-4	3~380/400 VAC	3,21/3,18 A	50 Hz	1,5 kW	Δ	70 kW
0070-7	3~660/690 VAC	1,76/1,61 A	60 Hz	1,5 kW	Y	70 kW
0070-4	3~380/400 VAC	3,05/2,80 A	60 Hz	1,5 kW	Δ	70 kW
0195-7	3~660/690 VAC	4,45/4,36 A	50 Hz	4 kW	Y	195 kW
0195-4	3~380/400 VAC	7,70/7,56 A	50 Hz	4 kW	Δ	195 kW
0195-7	3~660/690 VAC	4,34/4,16 A	60 Hz	4 kW	Y	195 kW
0195-4	3~380/400 VAC	7,51/7,20 A	60 Hz	4 kW	Δ	195 kW

PSCC: 50 kA.

ACS880 liquid cooled DC/DC converter					Ratings					
DDC type	DDC module	Basic module type	Frame	Filter	Idc input	Irms output	P cont max	Imax output	Ipp	fsw out
Un=690V										
ACS880-1607LC..	ACS880-1604LC..	ACS880-104LC..	INU	BDCL	A/DC	A/DC	kW	A/DC	A	Hz
0400A-7	0400A-7	0480A-7	R8i	BDCL-14LC-7	391	400	351	500	38	12000
0500A-7	0500A-7	0530A-7	R8i	BDCL-14LC-7	490	500	439	625	38	12000
0600A-7	0600A-7	0600A-7	R8i	BDCL-15LC-7	590	600	527	750	56	12000
0700A-7	0700A-7	0670A-7	R8i	BDCL-15LC-7	690	700	615	875	56	12000
0800A-7	0800A-7	0750A-7	R8i	BDCL-15LC-7	790	800	703	1000	56	12000
0900A-7	0900A-7	0850A-7	R8i	BDCL-15LC-7	880	900	790	1125	56	12000
1000A-7	1000A-7	0530A-7	2xR8i	2xBDCL-14LC-7	980	1000	878	1250	19	24000
1200A-7	1200A-7	0600A-7	2xR8i	2xBDCL-15LC-7	1180	1200	1054	1500	28	24000
1400A-7	1400A-7	0670A-7	2xR8i	2xBDCL-15LC-7	1370	1400	1230	1750	28	24000
1600A-7	1600A-7	0750A-7	2xR8i	2xBDCL-15LC-7	1570	1600	1405	2000	28	24000

1800 A-7	1800A- 7	0850A- 7	2xR8i	2xBDCL- 15LC-7	1760	1800	1581	2250	28	24000
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Ratings:

Diode supply unit (DSU)	Diode supply module (D8T)	Basic module	Frame	U1 Vac	I1 Aac	f1 Hz	Icw kA	U2 Vdc	I2 Adc	Sn kVA
ACS880- 307LC-	ACS880- 304LC-	ACS880- 304LC-								
6-pulse diode (DSU)										
0490A-7 +A018	0490A-7 +A018	0490A-7 +A018	D8T	3~ 525 - 690	490	50/60	65	709 - 932	600	585
0780A-7 +A018	0780A-7 +A018	0780A-7 +A018	D8T	3~ 525 - 690	780	50/60	65	709 - 932	955	932
1060A-7 +A018	1060A-7 +A018	1060A-7 +A018	D8T	3~ 525 - 690	1060	50/60	65	709 - 932	1300	1267
1470A-7 +A018	1470A-7 +A018	0780A-7 +A018	2xD8T	3~ 525 - 690	1470	50/60	65	709 - 932	1800	1757
2000A-7 +A018	2000A-7 +A018	1060A-7 +A018	2xD8T	3~ 525 - 690	2000	50/60	65	709 - 932	2450	2390
3000A-7 +A018	3000A-7 +A018	1060A-7 +A018	3xD8T	3~ 525 - 690	3000	50/60	65	709 - 932	3670	3585
4000A-7 +A018	4000A-7 +A018	1060A-7 +A018	4xD8T	3~ 525 - 690	4000	50/60	65	709 - 932	4900	4780
5000A-7 +A018	5000A-7 +A018	1060A-7 +A018	5xD8T	3~ 525 - 690	5000	50/60	65	709 - 932	6120	5976
6000A-7 +A018	6000A-7 +A018	1060A-7 +A018	6xD8T	3~ 525 - 690	6000	50/60	65	709 - 932	7350	7171
12-pulse diode (DSU)										
0920A-7 +A018	0920A-7 +A018	0490A-7 +A018	2xD8T	3~ 525 - 690	920	50/60	65	709 - 932	1130	1100
1470A-7 +A018	1470A-7 +A018	0780A-7 +A018	2xD8T	3~ 525 - 690	1470	50/60	65	709 - 932	1800	1757
2000A-7 +A018	2000A-7 +A018	1060A-7 +A018	2xD8T	3~ 525 - 690	2000	50/60	65	709 - 932	2450	2390
2940A-7 +A018	2940A-7 +A018	0780A-7 +A018	2xD8T	3~ 525 - 690	2940	50/60	65	709 - 932	3600	3514
4000A-7 +A018	4000A-7 +A018	1060A-7 +A018	4xD8T	3~ 525 - 690	4000	50/60	65	709 - 932	4900	4780
6000A-7 +A018	6000A-7 +A018	1060A-7 +A018	6xD8T	3~ 525 - 690	6000	50/60	65	709 - 932	7350	7171
24-pulse diode (DSU)										
2940A-7 +A018	2940A-7 +A018	0780A-7 +A018	4xD8T	3~ 525 - 690	2940	50/60	65	709 - 932	3600	3514
4000A-7 +A018	4000A-7 +A018	1060A-7 +A018	4xD8T	3~ 525 - 690	4000	50/60	65	709 - 932	4900	4780
5880A-7 +A018	5880A-7 +A018	1060A-7 +A018	8xD8T	3~ 525 - 690	5880	50/60	65	709 - 932	7200	7027

Ratings for complete frequency converter:

Model	Frame	Input	Output			
		I1 (A)	U2 (VAC)	I2 (A)	Pn (kW)	Sn (kVA)
Un = 690V, 6-pulse connection						
ACS880-07LC-0390A-7	1xD8T + 1xR8i	357	3~ 0...Un	390	355	466
ACS880-07LC-0430A-7	1xD8T + 1xR8i	394	3~ 0...Un	430	400	514
ACS880-07LC-0480A-7	1xD8T + 1xR8i	439	3~ 0...Un	480	450	574
ACS880-07LC-0530A-7	1xD8T + 1xR8i	485	3~ 0...Un	530	500	633
ACS880-07LC-0600A-7	1xD8T + 1xR8i	549	3~ 0...Un	600	560	717
ACS880-07LC-0670A-7	1xD8T + 1xR8i	613	3~ 0...Un	670	630	801
ACS880-07LC-0750A-7	1xD8T + 1xR8i	686	3~ 0...Un	750	710	896
ACS880-07LC-0850A-7	1xD8T + 1xR8i	778	3~ 0...Un	850	800	1016
ACS880-07LC-1030A-7	1xD8T + 2xR8i	943	3~ 0...Un	1030	1000	1231
ACS880-07LC-1170A-7	1xD8T + 2xR8i	1071	3~ 0...Un	1170	1100	1398
ACS880-07LC-1310A-7	2xD8T + 2xR8i	1199	3~ 0...Un	1310	1200	1566
ACS880-07LC-1470A-7	2xD8T + 2xR8i	1345	3~ 0...Un	1470	1400	1757
ACS880-07LC-1660A-7	2xD8T + 2xR8i	1519	3~ 0...Un	1660	1600	1984
ACS880-07LC-1940A-7	2xD8T + 3xR8i	1775	3~ 0...Un	1940	1800	2319
ACS880-07LC-2180A-7	2xD8T + 3xR8i	1995	3~ 0...Un	2180	2000	2605
ACS880-07LC-2470A-7	3xD8T + 3xR8i	2261	3~ 0...Un	2470	2300	2952
ACS880-07LC-2880A-7	3xD8T + 4xR8i	2636	3~ 0...Un	2880	2700	3442
ACS880-07LC-3260A-7	3xD8T + 4xR8i	2984	3~ 0...Un	3260	3000	3896
ACS880-07LC-3580A-7	4xD8T + 5xR8i	3276	3~ 0...Un	3580	3400	4279
ACS880-07LC-4050A-7	4xD8T + 5xR8i	3707	3~ 0...Un	4050	3800	4840
ACS880-07LC-4840A-7	5xD8T + 6xR8i	4430	3~ 0...Un	4840	4400	5784
ACS880-07LC-5650A-7	6xD8T + 7xR8i	5171	3~ 0...Un	5650	5200	6752
ACS880-07LC-6460A-7	6xD8T + 8xR8i	5912	3~ 0...Un	6460	6000	7720
Un = 690V, 12-pulse connection						
ACS880-07LC-0530A-7+A004	2xD8T + 1xR8i	485	3~ 0...Un	530	500	633
ACS880-07LC-0600A-7+A004	2xD8T + 1xR8i	549	3~ 0...Un	600	560	717
ACS880-07LC-0670A-7+A004	2xD8T + 1xR8i	613	3~ 0...Un	670	630	801
ACS880-07LC-0750A-7+A004	2xD8T + 1xR8i	686	3~ 0...Un	750	710	896
ACS880-07LC-0850A-7+A004	2xD8T + 1xR8i	778	3~ 0...Un	850	800	1016
ACS880-07LC-1030A-7+A004	2xD8T + 2xR8i	943	3~ 0...Un	1030	1000	1231
ACS880-07LC-1170A-7+A004	2xD8T + 2xR8i	1071	3~ 0...Un	1170	1100	1398
ACS880-07LC-1310A-7+A004	2xD8T + 2xR8i	1199	3~ 0...Un	1310	1200	1566
ACS880-07LC-1470A-7+A004	2xD8T + 2xR8i	1345	3~ 0...Un	1470	1400	1757
ACS880-07LC-1660A-7+A004	2xD8T + 2xR8i	1519	3~ 0...Un	1660	1600	1984
ACS880-07LC-1940A-7+A004	2xD8T + 3xR8i	1775	3~ 0...Un	1940	1800	2319
ACS880-07LC-2180A-7+A004	2xD8T + 3xR8i	1995	3~ 0...Un	2180	2000	2605
ACS880-07LC-2470A-7+A004	4xD8T + 3xR8i	2261	3~ 0...Un	2470	2300	2952
ACS880-07LC-2880A-7+A004	4xD8T + 4xR8i	2636	3~ 0...Un	2880	2700	3442
ACS880-07LC-3260A-7+A004	4xD8T + 4xR8i	2984	3~ 0...Un	3260	3000	3896
ACS880-07LC-3580A-7+A004	4xD8T + 5xR8i	3276	3~ 0...Un	3580	3400	4279
ACS880-07LC-4050A-7+A004	4xD8T + 5xR8i	3707	3~ 0...Un	4050	3800	4840
ACS880-07LC-4840A-7+A004	6xD8T + 6xR8i	4430	3~ 0...Un	4840	4400	5784
ACS880-07LC-5650A-7+A004	6xD8T + 7xR8i	5171	3~ 0...Un	5650	5200	6752

ACS880-07LC-6460A-7+A004	6xD8T + 8xR8i	5912	3~ 0...Un	6460	6000	7720
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With: f2: 0...500 Hz, IP42 or IP54, I_{cw} = 65 kA.

The frequency unit consist of following supply unit and inverter types:

Frequency converter	Frame	Supply unit type (D8T) ACS880-307LC-	Inverter type (R8i)
6-pulse connection			
ACS880-07LC-0390A-7	1xD8T + 1xR8i	0490A-7+A018	ACS880-107LC-0390A-7
ACS880-07LC-0430A-7	1xD8T + 1xR8i	0490A-7+A018	ACS880-107LC-0430A-7
ACS880-07LC-0480A-7	1xD8T + 1xR8i	0490A-7+A018	ACS880-107LC-0480A-7
ACS880-07LC-0530A-7	1xD8T + 1xR8i	0490A-7+A018	ACS880-107LC-0530A-7
ACS880-07LC-0600A-7	1xD8T + 1xR8i	0780A-7+A018	ACS880-107LC-0600A-7
ACS880-07LC-0670A-7	1xD8T + 1xR8i	0780A-7+A018	ACS880-107LC-0670A-7
ACS880-07LC-0750A-7	1xD8T + 1xR8i	0780A-7+A018	ACS880-107LC-0750A-7
ACS880-07LC-0850A-7	1xD8T + 1xR8i	0780A-7+A018	ACS880-107LC-0850A-7
ACS880-07LC-1030A-7	1xD8T + 2xR8i	1060A-7+A018	ACS880-107LC-1030A-7
ACS880-07LC-1170A-7	1xD8T + 2xR8i	1060A-7+A018	ACS880-107LC-1170A-7
ACS880-07LC-1310A-7	2xD8T + 2xR8i	1470A-7+A018	ACS880-107LC-1310A-7
ACS880-07LC-1470A-7	2xD8T + 2xR8i	1470A-7+A018	ACS880-107LC-1470A-7
ACS880-07LC-1660A-7	2xD8T + 2xR8i	1470A-7+A018	ACS880-107LC-1660A-7
ACS880-07LC-1940A-7	2xD8T + 3xR8i	2000A-7+A018	ACS880-107LC-1940A-7
ACS880-07LC-2180A-7	2xD8T + 3xR8i	2000A-7+A018	ACS880-107LC-2180A-7
ACS880-07LC-2470A-7	3xD8T + 3xR8i	3000A-7+A018	ACS880-107LC-2470A-7
ACS880-07LC-2880A-7	3xD8T + 4xR8i	3000A-7+A018	ACS880-107LC-2880A-7
ACS880-07LC-3260A-7	3xD8T + 4xR8i	3000A-7+A018	ACS880-107LC-3260A-7
ACS880-07LC-3580A-7	4xD8T + 5xR8i	4000A-7+A018	ACS880-107LC-3580A-7
ACS880-07LC-4050A-7	4xD8T + 5xR8i	4000A-7+A018	ACS880-107LC-4050A-7
ACS880-07LC-4840A-7	5xD8T + 6xR8i	5000A-7+A018	ACS880-107LC-4840A-7
ACS880-07LC-5650A-7	6xD8T + 7xR8i	6000A-7+A018	ACS880-107LC-5650A-7
ACS880-07LC-6460A-7	6xD8T + 8xR8i	6000A-7+A018	ACS880-107LC-6460A-7
12-pulse connection			
ACS880-07LC-0530A-7+A004	2xD8T + 1xR8i	0920A-7+A004+A018	ACS880-107LC-0530A-7
ACS880-07LC-0600A-7+A004	2xD8T + 1xR8i	0920A-7+A004+A018	ACS880-107LC-0600A-7
ACS880-07LC-0670A-7+A004	2xD8T + 1xR8i	0920A-7+A004+A018	ACS880-107LC-0670A-7
ACS880-07LC-0750A-7+A004	2xD8T + 1xR8i	0920A-7+A004+A018	ACS880-107LC-0750A-7
ACS880-07LC-0850A-7+A004	2xD8T + 1xR8i	0920A-7+A004+A018	ACS880-107LC-0850A-7
ACS880-07LC-1030A-7+A004	2xD8T + 2xR8i	1470A-7+A004+A018	ACS880-107LC-1030A-7
ACS880-07LC-1170A-7+A004	2xD8T + 2xR8i	1470A-7+A004+A018	ACS880-107LC-1170A-7
ACS880-07LC-1310A-7+A004	2xD8T + 2xR8i	1470A-7+A004+A018	ACS880-107LC-1310A-7
ACS880-07LC-1470A-7+A004	2xD8T + 2xR8i	1470A-7+A004+A018	ACS880-107LC-1470A-7

ACS880-07LC-1660A-7+A004	2xD8T + 2xR8i	1470A-7+A004+A018	ACS880-107LC-1660A-7
ACS880-07LC-1940A-7+A004	2xD8T + 3xR8i	2000A-7+A004+A018	ACS880-107LC-1940A-7
ACS880-07LC-2180A-7+A004	2xD8T + 3xR8i	-2000A-7+A004+A018	ACS880-107LC-2180A-7
ACS880-07LC-2470A-7+A004	4xD8T + 3xR8i	2940A-7+A004+A018	ACS880-107LC-2470A-7
ACS880-07LC-2880A-7+A004	4xD8T + 4xR8i	2940A-7+A004+A018	ACS880-107LC-2880A-7
ACS880-07LC-3260A-7+A004	4xD8T + 4xR8i	2940A-7+A004+A018	ACS880-107LC-3260A-7
ACS880-07LC-3580A-7+A004	4xD8T + 5xR8i	4000A-7+A004+A018	ACS880-107LC-3580A-7
ACS880-07LC-4050A-7+A004	4xD8T + 5xR8i	4000A-7+A004+A018	ACS880-107LC-4050A-7
ACS880-07LC-4840A-7+A004	6xD8T + 6xR8i	6000A-7+A004+A018	ACS880-107LC-4840A-7
ACS880-07LC-5650A-7+A004	6xD8T + 7xR8i	6000A-7+A004+A018	ACS880-107LC-5650A-7
ACS880-07LC-6460A-7+A004	6xD8T + 8xR8i	6000A-7+A004+A018	ACS880-107LC-6460A-7

Ratings for liquid cooled brake units:

Unit type ACS880- 607LC-	Module type ACS880- 604LC-	Frame	Resistor Rmax / Ω	Resistor Rmin / Ω	Input I1 / ADC	Output I2 / ADC	Output Sn / kVA
0870-7	0870-7	R8i	3,6	3,0	781	3 x 310	870
1300-7	1300-7	R8i	2,4	2,0	1171	3 x 465	1300
1730-7	1730-7	2xR8i	3,6	3,0	1562	3 x 621	1730
2600-7	2600-7	2xR8i	2,4	2,0	2342	3 x 931	2600
3900-7	3900-7	3xR8i	2,4	2,0	3514	3 x 1396	3900
5200-7	5200-7	4xR8i	2,4	2,0	4685	3 x 1862	5200
6500-7	6500-7	5xR8i	2,4	2,0	5856	3 x 2327	6500

with type label indication of I1, I2, Rmin, Rmax and Sn of the table and U1: 742/849/976 VDC; U2: 3x0...742/849/976 VDC; IP00, IP42 or IP54.

Ratings for BLCL filter units:

Type	Un	In
BLCL-13-5	3~ 400/480/500 VAC	576
BLCL-15-5	3~ 400/480/500 VAC	810
BLCL-24-5	3~ 400/480/500 VAC	1332
BLCL-25-5	3~ 400/480/500 VAC	1584
BLCL-13-7	3~ 525/600/690 VAC	369
BLCL-15-7	3~ 525/600/690 VAC	540
BLCL-24-7	3~ 525/600/690 VAC	800
BLCL-25-7	3~ 525/600/690 VAC	1053

with type label indication of In, Un of the table and fn: 50/60 Hz; IP00.

Ratings:

Model	Frame size	Input		Output			
ACS880-104-		U1 VDC	I1 (A)	U2 (VAC)	I2 (A)	Pn (kW)	Sn (kVA)
Un = 400 V							
0140A-3	R6i	566	169	3~0...415	141	75	98
0170A-3	R6i	566	203	3~0...415	169	90	117
0210A-3	R6i	566	247	3~0...415	206	110	143
0250A-3	R6i	566	295	3~0...415	246	132	170
0300A-3	R7i	566	360	3~0...415	300	160	208
0350A-3	R7i	566	420	3~0...415	350	200	242
Un = 500 V							
0110A-5	R6i	566/679/707	136	3~0...380/480/500	113	75	98
0140A-5	R6i	566/679/707	163	3~0...380/480/500	136	90	118
0170A-5	R6i	566/679/707	198	3~0...380/480/500	165	110	143
0200A-5	R6i	566/679/707	236	3~0...380/480/500	197	132	171
0240A-5	R6i	566/679/707	288	3~0...380/480/500	240	160	208
0300A-5	R7i	566/679/707	362	3~0...380/480/500	302	200	262
0340A-5	R7i	566/679/707	408	3~0...380/480/500	340	250	294
Un = 600 V							
0062A-7	R6i	742/849/976	74	3~0...525/600/690	62	55	74
0082A-7	R6i	742/849/976	98	3~0...525/600/690	82	75	98
0100A-7	R6i	742/849/976	119	3~0...525/600/690	99	90	118
0130A-7	R6i	742/849/976	150	3~0...525/600/690	125	110	149
0140A-7	R6i	742/849/976	173	3~0...525/600/690	144	132	172
0190A-7	R6i	742/849/976	230	3~0...525/600/690	192	160	229
0220A-7	R7i	742/849/976	260	3~0...525/600/690	217	200	259
0270A-7	R7i	742/849/976	324	3~0...525/600/690	270	250	323

With: f2: 0...500 Hz, IP00.

Ratings:

Model	Frame size	Input		Output			
ACS880-104-		U1 VDC	I1 (A)	U2 (VAC)	I2 (A)	Pn (kW)	Sn (kVA)
Un = 690 V							
007A3-7	R5i	742/849/976	8,8	3~ 0...525/600/690	7,3	5,5	-
009A8-7	R5i	742/849/976	11,8	3~ 0...525/600/690	9,8	7,5	-
014A2-7	R5i	742/849/976	17,0	3~ 0...525/600/690	14,2	11,0	-
0018A-7	R5i	742/849/976	22,0	3~ 0...525/600/690	18,0	15,0	-
0022A-7	R5i	742/849/976	26	3~ 0...525/600/690	22	18,5	-
0027A-7	R5i	742/849/976	32	3~ 0...525/600/690	27	22	-
0035A-7	R5i	742/849/976	42	3~ 0...525/600/690	35	30	-
0042A-7	R5i	742/849/976	50	3~ 0...525/600/690	42	37	-
0052A-7	R5i	742/849/976	62	3~ 0...525/600/690	52	45	-

Model	Frame size	Input		Output			
ACS880-104-		U1 VDC	I1 (A)	U2 (VAC)	I2 (A)	Pn (kW)	Sn (kVA)
Un = 400 V							
0470A-3	R8i	566	529	3~0...400	470	250	326
0640A-3	R8i	566	720	3~0...400	640	355	443
0760A-3	R8i	566	855	3~0...400	760	400	527
0830A-3	R8i	566	934	3~0...400	830	450	575
0900A-3	R8i	566	1013	3~0...400	900	500	624
Un = 500 V							
0440A-5	R8i	566/679/707	495	3~0...400/480/500	440	250	381
0590A-5	R8i	566/679/707	664	3~0...400/480/500	590	400	511
0670A-5	R8i	566/679/707	754	3~0...400/480/500	670	450	580
0740A-5	R8i	566/679/707	833	3~0...400/480/500	740	500	641
0810A-5	R8i	566/679/707	911	3~0...400/480/500	810	560	701
Un = 690 V							
0340A-7	R8i	742/849/976	383	3~0...525/600/690	340	315	406
0410A-7	R8i	742/849/976	461	3~0...525/600/690	410	400	490

0480A-7	R8i	742/849/976	540	3~0...525/600/690	480	450	574
0530A-7	R8i	742/849/976	596	3~0...525/600/690	530	500	633
0600A-7	R8i	742/849/976	675	3~0...525/600/690	600	560	717

With f2: 0..500 Hz.

Model type	Basic type	Input		Output			
		U1 (VAC)	I1 (AAC)	U2 (VDC)	I2 (ADC)	Pn (kW)	Sn (kVA)
ACS880-204-	ACS880-104-						
0420A-3	0470A-3	3~ 400	423	566	513	290	293
0580A-3	0640A-3	3~ 400	576	566	698	395	399
0810A-3	0900A-3	3~ 400	810	566	982	556	561
0400A-5	0440A-5	3~ 400/480/500	396	566/679/707	480	340	343
0530A-5	0590A-5	3~ 400/480/500	531	566/679/707	644	455	460
0730A-5	0810A-5	3~ 400/480/500	729	566/679/707	884	625	631
0310A-7	0340A-7	3~ 525/600/690	306	742/849/976	371	362	366
0370A-7	0410A-7	3~ 525/600/690	369	742/849/976	447	437	441
0540A-7	0600A-7	3~ 525/600/690	540	742/849/976	655	639	645

With input frequency f1 = 50/60 Hz.

Model type	Basic type	Input		Output		
		U1 (VDC)	I1 (ADC)	U2 (VDC)	I2 (ADC)	Sn (kVA)
ACS880-604-	ACS880-104-					
0500A-3	0640A-3	566	781	3x0...566	3x310	500
0750A-3	0900A-3	566	1171	3x0...566	3x465	750
0630A-5	0590A-5	566/679/707	781	3x0...566/679/707	3x310	630
0940A-5	0810A-5	566/679/707	1171	3x0...566/679/707	3x465	940
0870A-7	0410A-7	742/849/976	781	3x0...742/849/976	3x310	870
1300A-7	0600A-7	742/849/976	1171	3x0...742/849/976	3x465	1300

Model type	Basic type	Input		Output			
ACS880-904-	ACS880-104-	U1 (VAC)	I1 (AAC)	U2 (VDC)	I2 (ADC)	Pn (kW)	Sn (kVA)
0600A-3	0640A-3	3~ 400	600	540	727	393	416
0900A-3	0900A-3	3~ 400	900	540	1091	589	624
0600A-5	0590A-5	3~ 400/480/500	600	540/648/675	727	491	520
0900A-5	0810A-5	3~ 400/480/500	900	540/648/675	1091	737	779
0600A-7	0410A-7	3~ 525/600/690	600	709/810/932	727	678	717
0900A-7	0600A-7	3~ 525/600/690	900	709/810/932	1091	1016	1076

With input frequency $f_1 = 50/60$ Hz.

Model type	Basic type	Input		Output		
ACS880-1604-	ACS880-104-	U1 (VDC)	I1 (ADC)	U2 (VDC)	I2 (ADC)	Sn (kVA)
0600A-3	0640A-3	566	600	50...509	600	305
0900A-3	0900A-3	566	900	50...509	900	458
0600A-5	0590A-5	566/679/707	600	50...509/611/636	600	382
0900A-5	0810A-5	566/679/707	900	50...509/611/636	900	573
0400A-7	0410A-7	742/849/976	400	50...668/764/878	400	351
0600A-7	0600A-7	742/849/976	600	50...668/764/878	600	527

LCL filter for frequency converters with optional terminal boxes:

Un: 3~ 380...500V, fn: 48...63Hz, nominal currents as follows:

In = 11,3 A (WFU-01)

In = 18 A (WFU-02)

In = 35 A (WFU-11)

In = 50 A (WFU-21)

In = 93 A (WFU-22)

Optional terminal boxes WBCA current ratings:

In = 18 A (WBCA-01), intended for WFU-01 and WFU-02

In = 35 A (WBCA-11), intended for WFU-11

In = 93 A (WBCA-21), intended for WFU-21 and WFU-22

L-filters for frequency converters:

BL-xx-7 with BDFC-01C fancontrol board:

Type	I nominal	I sat	Inductance	U nom
BL-15-7	900 A	2291 A	74 uH	690 V
BL-25-7	1770 A	4492 A	38 uH	690 V

with U1 3~ 400/480/500/525/600/690 V

f1 50/60 Hz

L-filters for frequency converters:

Type	Un	In
BDCL-15-7	742/849/976 V DC	600 A
BDCL-15-5	566/679/707 V DC	900 A
BDCL-14-7	742/849/976 V DC	400 A
BDCL-14-5	566/679/707 V DC	600 A

with: fn is not applicable.

Ratings:

Model type ACS880-304-	Frame				
		In DC (A)	In AC (A)	Pn (kW)	Sn (kVA)
Un = 400 V (380 V ... 415 V)					
0080A-3 + A003	D6D	98	80	53	55
0170A-3 + A003	D6D	212	173	114	120
0330A-3 + A003	D7D	400	327	216	227
0490A-3 + A003	D7D	600	490	324	339
0650A-3 + A003	D8D	800	653	432	452
0980A-3 + A003	D8D	1200	980	648	679
Un = 500 V (380 V ... 500 V)					
0080A-5 + A003	D6D	98	80	66	69
0170A-5 + A003	D6D	212	173	143	150
0330A-5 + A003	D7D	400	327	270	283
0490A-5 + A003	D7D	600	490	405	424
0650A-5 + A003	D8D	800	653	540	566
0980A-5 + A003	D8D	1200	980	810	849

With: f1: 50/60 Hz or DC.

Ratings:

Model type ACS880-304-	Frame				
		In (A)	f (Hz)	U (V DC)	I (A DC)
Un = 400 V (380 V ... 415 V), 6-pulse					
0490A-3 + A018	D7T	490	50 / 60	540	600
0650A-3 + A018	D8T	650	50 / 60	540	800
0980A-3 + A018	D8T	980	50 / 60	540	1200
1210A-3 + A018	2xD8T	1215	50 / 60	540	1488
1820A-3 + A018	2xD8T	1823	50 / 60	540	2232
2730A-3 + A018	3xD8T	2734	50 / 60	540	3348
3640A-3 + A018	4xD8T	3645	50 / 60	540	4464
4560A-3 + A018	5xD8T	4557	50 / 60	540	5580
5470A-3 + A018	6xD8T	5468	50 / 60	540	6696
Un = 400 V (380 V ... 415 V), 12-pulse					
0910A-3 + A004 + A018	2xD7T	912	50 / 60	540	1116
1210A-3 + A004 + A018	2xD8T	653	50 / 60	540	1488
1820A-3 + A004 + A018	2xD8T	980	50 / 60	540	2232
2430A-3 + A004 + A018	4xD8T	1215	50 / 60	540	2976
3640A-3 + A004 + A018	4xD8T	1823	50 / 60	540	4464
5470A-3 + A004 + A018	6xD8T	2734	50 / 60	540	6696

Ratings:

Model type ACS880-304-	Frame				
		In (A)	f (Hz)	U (V DC)	I (A DC)
Un = 500 V (380 V ... 500 V), 6-pulse					
0490A-5 + A018	D7T	490	50 / 60	540/648/675	600
0650A-5 + A018	D8T	653	50 / 60	540/648/675	800
0980A-5 + A018	D8T	980	50 / 60	540/648/675	1200
1210A-5 + A018	2xD8T	1215	50 / 60	540/648/675	1488
1820A-5 + A018	2xD8T	1823	50 / 60	540/648/675	2232
2730A-5 + A018	3xD8T	2734	50 / 60	540/648/675	3348
3640A-5 + A018	4xD8T	3645	50 / 60	540/648/675	4464
4560A-5 + A018	5xD8T	4557	50 / 60	540/648/675	5580
5470A-5 + A018	6xD8T	5468	50 / 60	540/648/675	6696
Un = 500 V (380 V ... 500 V), 12-pulse					
0910A-5 + A004 + A018	2xD7T	912	50 / 60	540/648/675	1116
1210A-5 + A004 + A018	2xD8T	653	50 / 60	540/648/675	1488
1820A-5 + A004 + A018	2xD8T	980	50 / 60	540/648/675	2232
2430A-5 + A004 + A018	4xD8T	1215	50 / 60	540/648/675	2976
3640A-5 + A004 + A018	4xD8T	1823	50 / 60	540/648/675	4464
5470A-5 + A004 + A018	6xD8T	2734	50 / 60	540/648/675	6696
Un = 690 V (525 V ... 690 V), 6-pulse					
0410A-7 + A018	D7T	408	50 / 60	709/810/932	500
0570A-7 + A018	D8T	572	50 / 60	709/810/932	700
0820A-7 + A018	D8T	817	50 / 60	709/810/932	1000
1060A-7 + A018	2xD8T	1064	50 / 60	709/810/932	1302
1520A-7 + A018	2xD8T	1519	50 / 60	709/810/932	1860
2280A-7 + A018	3xD8T	2279	50 / 60	709/810/932	2790
3040A-7 + A018	4xD8T	3038	50 / 60	709/810/932	3720
3800A-7 + A018	5xD8T	3797	50 / 60	709/810/932	4560
4560A-7 + A018	6xD8T	4557	50 / 60	709/810/932	5580
Un = 690 V (525 V ... 690 V), 12-pulse					
0760A-7 + A004 + A018	2xD7T	760	50 / 60	709/810/932	960
1060A-7 + A004 + A018	2xD8T	1064	50 / 60	709/810/932	1302
1520A-7 + A004 + A018	2xD8T	1519	50 / 60	709/810/932	1860
2130A-7 + A004 + A018	4xD8T	2127	50 / 60	709/810/932	2604
3040A-7 + A004 + A018	4xD8T	3038	50 / 60	709/810/932	3720
4560A-7 + A004 + A018	6xD8T	4557	50 / 60	709/810/932	5580

Ratings:

Drive type ACS880- 07-...	Frame size	Input		Output				
		U1 [V AC]	I1 [A]	U2 [V AC]	I2 [A]	S _N [kVA]	P _N [kW]	f2 [Hz]
U _N = 400 V								
0105A-3	R6	3~ 400	105	3~ 0...U1	105	73	55	0...500
0145A-3	R6	3~ 400	145	3~ 0...U1	145	100	75	0...500
0169A-3	R7	3~ 400	169	3~ 0...U1	169	117	90	0...500
0206A-3	R7	3~ 400	206	3~ 0...U1	206	143	110	0...500
0246A-3	R8	3~ 400	246	3~ 0...U1	246	170	132	0...500
0293A-3	R8	3~ 400	293	3~ 0...U1	293	203	160	0...500
0363A-3	R9	3~ 400	363	3~ 0...U1	363	251	200	0...500
0430A-3	R9	3~ 400	430	3~ 0...U1	430	298	250	0...500
0505A-3	R10	3~ 400	505	3~ 0...U1	505	350	250	0...500
0585A-3	R10	3~ 400	585	3~ 0...U1	585	405	315	0...500
0650A-3	R10	3~ 400	650	3~ 0...U1	650	450	355	0...500
0725A-3	R11	3~ 400	725	3~ 0...U1	725	502	400	0...500
0820A-3	R11	3~ 400	820	3~ 0...U1	820	568	450	0...500
0880A-3	R11	3~ 400	880	3~ 0...U1	880	610	500	0...500
U _N = 500 V								
0096A-5	R6	3~ 400/480/500	96	3~ 0...U1	96	83	55	0...500
0124A-5	R6	3~ 400/480/500	124	3~ 0...U1	124	107	75	0...500
0156A-5	R7	3~ 400/480/500	156	3~ 0...U1	156	135	90	0...500
0180A-5	R7	3~ 400/480/500	180	3~ 0...U1	180	156	110	0...500
0240A-5	R8	3~ 400/480/500	240	3~ 0...U1	240	208	132	0...500
0260A-5	R8	3~ 400/480/500	260	3~ 0...U1	260	225	160	0...500
0361A-5	R9	3~ 400/480/500	361	3~ 0...U1	361	313	200	0...500
0414A-5	R9	3~ 400/480/500	414	3~ 0...U1	414	359	250	0...500
0460A-5	R10	3~ 400/480/500	460	3~ 0...U1	460	398	315	0...500
0503A-5	R10	3~ 400/480/500	503	3~ 0...U1	503	436	355	0...500
0583A-5	R10	3~ 400/480/500	583	3~ 0...U1	583	505	400	0...500
0635A-5	R10	3~ 400/480/500	635	3~ 0...U1	635	550	450	0...500
0715A-5	R11	3~ 400/480/500	715	3~ 0...U1	715	619	500	0...500
0820A-5	R11	3~ 400/480/500	820	3~ 0...U1	820	710	560	0...500
0880A-5	R11	3~ 400/480/500	880	3~ 0...U1	880	762	630	0...500
U _N = 690 V								

0061A-7	R6	3~ 525/600/690 VAC	61	3~ 0...U1	61	73	55	0...500
0084A-7	R6	3~ 525/600/690 VAC	84	3~ 0...U1	84	100	75	0...500
0098A-7	R7	3~ 525/600/690 VAC	98	3~ 0...U1	98	117	90	0...500
0119A-7	R7	3~ 525/600/690 VAC	119	3~ 0...U1	119	142	110	0...500
0142A-7	R8	3~ 525/600/690 VAC	142	3~ 0...U1	142	170	132	0...500
0174A-7	R8	3~ 525/600/690 VAC	174	3~ 0...U1	174	208	160	0...500
0210A-7	R9	3~ 525/600/690 VAC	210	3~ 0...U1	210	251	200	0...500
0271A-7	R9	3~ 525/600/690 VAC	271	3~ 0...U1	271	324	250	0...500
0330A-7	R10	3~ 525/600/690 VAC	330	3~ 0...U1	330	394	315	0...500
0370A-7	R10	3~ 525/600/690 VAC	370	3~ 0...U1	370	442	355	0...500
0430A-7	R11	3~ 525/600/690 VAC	430	3~ 0...U1	430	514	400	0...500
0470A-7	R11	3~ 525/600/690 VAC	470	3~ 0...U1	470	562	450	0...500
0522A-7	R11	3~ 525/600/690 VAC	522	3~ 0...U1	522	624	500	0...500
0590A-7	R11	3~ 525/600/690 VAC	590	3~ 0...U1	590	705	560	0...500
0650A-7	R11	3~ 525/600/690 VAC	650	3~ 0...U1	650	777	630	0...500
0721A-7	R11	3~ 525/600/690 VAC	721	3~ 0...U1	721	862	710	0...500

With input frequency f1 = 50/60 Hz.

Ratings:

Drive type	Frame size	Input ratings	Output ratings		
		I1 (A)	I2 (A)	S _N (kVA)	P _N (kW)
U _N = 400 V (with U1 = 3~400 V AC)					
ACS880-x7-0105A-3	R8	88	105	73	55
ACS880-x7-0145A-3	R8	120	145	100	75
ACS880-x7-0169A-3	R8	144	169	117	90
ACS880-x7-0206A-3	R8	176	206	143	110
ACS880-x7-0293A-3	R11	257	293	203	160
ACS880-x7-0363A-3	R11	321	363	251	200
ACS880-x7-0442A-3	R11	401	442	306	250
ACS880-x7-0505A-3	R11	401	505	350	250
ACS880-x7-0585A-3	R11	505	585	405	315
ACS880-x7-0650A-3	R11	569	650	450	355
U _N = 500 V (with U1 = 3~400/480/500 V AC)					
ACS880-x7-0101A-5	R8	71	101	87	55
ACS880-x7-0124A-5	R8	96	124	107	75
ACS880-x7-0156A-5	R8	115	156	135	90
ACS880-x7-0180A-5	R8	141	180	156	110
ACS880-x7-0260A-5	R11	212	206	225	160
ACS880-x7-0361A-5	R11	321	361	313	200
ACS880-x7-0414A-5	R11	355	414	359	250
ACS880-x7-0460A-5	R11	421	460	398	315
ACS880-x7-0503A-5	R11	455	503	436	355
U _N = 690 V (with U1 = 3~525/600/690 V AC)					
ACS880-x7-0174A-7	R11	174	174	208	160
ACS880-x7-0210A-7	R11	210	210	251	200
ACS880-x7-0271A-7	R11	271	271	324	250
ACS880-x7-0330A-7	R11	330	330	394	315
ACS880-x7-0370A-7	R11	370	370	442	355
ACS880-x7-0430A-7	R11	430	430	514	400

With f1 = 50/60 Hz, U2 = 3~0...U1 and f2 = 0...500 Hz, Icc = 65 kA. With "-x7" = "-17" or "-37".

Ratings:

Model	Basic (module) type	Frame size	Input		Output			
ACS880 - 204-	ACS880-104-		U1 VAC	I1 (A)	U2 VDC	I2 (A)	Pn (kW)	Sn (kVA)
Un = 400 V								
0210A-3	0250A-3	R6i	3~400	210	566	255	144	145
0270A-3	0350A-3	R7i	3~400	270	566	327	185	187
Un = 500 V								
0210A-5	0240A-5	R6i	3~400/480/500	210	566/679/707	255	180	182
0260A-5	0340A-5	R7i	3~400/480/500	260	566/679/707	315	223	225
Un = 690 V								
0150A-7	0190A-7	R6i	3~525/600/690	145	742/849/976	176	172	173
0170A-7	0270A-7	R7i	3~525/600/690	170	742/849/976	206	201	203

With: f1: 50/60 Hz
IP00.

Brake chopper unit ACS880-607LC (cabinet):

Model ACS880-607LC-0400-7:

U1: 742/849/976 Vdc, I1: 107 A, U2: 0...742/849/976 Vdc, I2: 107 A, Sn: 400 kVA.

Brake chopper module NBRW-669:

Un 709...976 VDC, Rmin 1,35 ohm, duty cycle 1/5 min, Irms 267 ADC, Rn 2,72 Ohm.

Liquid cooled.

Brake resistor module NRCB-010006:

NRCB-010006: U 709...976 V.

Brake chopper module NBRW-669 and brake resistor module NRCB-010006 may be sold as a package, in which case the modules' name becomes **ACS880-604LC**.

ACS880-604LC is a part of the cabinet ACS880-607LC.

Ratings:

Drive type ACS880-M04	Frame (IP20)	Input		Output		
		I1 (A AC) With mains choke	I1 (A AC) Without mains choke	I2n (A AC)	Pn (kW)	Pn (hp)
Nominal ratings Un: 3~230 VAC						
-03A0-2	R1	2,1	3,5	3,0	0,37	0,5
-03A6-2	R1	2,9	5,2	3,6	0,55	0,75
-04A8-2	R1	3,7	6,3	4,8	0,75	1,0
-06A0-2	R1	5,2	8,9	6,0	1,1	1,5
-08A0-3	R1	6,3	10,7	8,0	1,5	2,0
-010A-2	R2	8,3	13,0	10,5	2,2	3,0
-014A-2	R2	11,0	17,0	14,0	3,0	3,0
-018A-2	R2	15,0	21,0	18,0	4,0	5,0
-025A-2	R3	19,0	-	25,0	5,5	7,5
-030A-2	R3	26,0	-	30,0	7,5	10,0
-035A-2	R3	30,0	-	35,0	7,5	10,0
-044A-2	R3	35,0	-	44,0	11,0	15,0
-050A-2	R3	42,0	-	50,0	11,0	15,0
-061A-2	R4	54,0	-	61,0	15,0	20,0
-078A-2	R4	64,0	-	78,0	18,5	25,0
-094A-2	R4	81,0	-	94,0	22,0	30,0
ACS880: with f1: 50/60 Hz (47 - 63 Hz), f2: 0-500 Hz and U2: 3~0...U1 VAC, Icc 65 kA.						
Nominal ratings Un: 3~400 VAC						
-03A0-5	R1	2,3	3,8	3,0	1,1	-
-03A6-5	R1	3,1	5,6	3,6	1,5	-
-04A8-5	R1	4,0	6,8	4,8	2,2	-
-06A0-5	R1	5,5	9,4	6,0	2,2	-
-08A0-5	R1	6,6	11,2	8,0	3,0	-
-010A-5	R2	8,7	13,0	10,5	4,0	-
-014A-5	R2	12,0	18,0	14,0	5,5	-
-018A-5	R2	16,0	23,0	18,0	7,5	-
-025A-5	R3	20,0	-	25,0	11,0	-
-030A-5	R3	26,0	-	30,0	15,0	-

-035A-5	R3	30,0	-	35,0	18,5	-
-044A-5	R3	36,0	-	44,0	22,0	-
-050A-5	R3	42,0	-	50,0	22,0	-
-061A-5	R4	55,0	-	61,0	30,0	-
-078A-5	R4	65,0	-	78,0	37,0	-
-094A-5	R4	82,0	-	94,0	45,0	-
ACS880: with f1: 50/60 Hz (47 - 63 Hz), f2: 0-500 Hz and U2: 3~0...U1 VAC, Icc 65 kA.						
Nominal ratings Un: 3~460 VAC						
-03A0-5	R1	2,3	3,8	3,0	-	1,5
-03A6-5	R1	3,1	5,6	3,6	-	2,0
-04A8-5	R1	4,0	6,8	4,8	-	3,0
-06A0-5	R1	5,5	9,4	6,0	-	3,0
-08A0-5	R1	6,6	11,2	8,0	-	5,0
-010A-5	R2	8,7	13,0	10,5	-	5,0
-014A-5	R2	12,0	18,0	14,0	-	7,5
-018A-5	R2	16,0	23,0	18,0	-	10,0
-025A-5	R3	20,0	-	25,0	-	15,0
-030A-5	R3	26,0	-	30,0	-	20,0
-035A-5	R3	30,0	-	35,0	-	25,0
-044A-5	R3	36,0	-	44,0	-	30,0
-050A-5	R3	42,0	-	50,0	-	30,0
-061A-5	R4	55,0	-	61,0	-	40,0
-078A-5	R4	65,0	-	78,0	-	50,0
-094A-5	R4	82,0	-	94,0	-	60,0
ACS880: with f1: 50/60 Hz (47 - 63 Hz), f2: 0-500 Hz and U2: 3~0...U1 VAC, Icc 65 kA.						
Nominal ratings Un: 3~500 VAC						
-03A0-5	R1	2,3	3,8	3,0	1,5	-
-03A6-5	R1	3,1	5,6	3,6	1,5	-
-04A8-5	R1	4,0	6,8	4,8	2,2	-
-06A0-5	R1	5,5	9,4	6,0	3,0	-
-08A0-5	R1	6,6	11,2	8,0	4,0	-
-010A-5	R2	8,7	13,0	10,5	5,5	-
-014A-5	R2	12,0	18,0	14,0	7,5	-

-018A-5	R2	16,0	23,0	18,0	11,0	-
-025A-5	R3	20,0	-	25,0	15,0	-
-030A-5	R3	26,0	-	30,0	18,5	-
-035A-5	R3	30,0	-	35,0	22,0	-
-044A-5	R3	36,0	-	44,0	30,0	-
-050A-5	R3	42,0	-	50,0	30,0	-
-061A-5	R4	55,0	-	61,0	37,0	-
-078A-5	R4	65,0	-	78,0	45,0	-
-094A-5	R4	82,0	-	94,0	55,0	-
ACS880: with f1: 50/60 Hz (47 - 63 Hz), f2: 0-500 Hz and U2: 3~0...U1 VAC, Icc 65 kA.						

Inverter unit ACS880-104	Frame (IP00)	Input		Output		
		U1 (V DC)	I1 (A DC)	I2n (A AC)	Pn (kW)	Sn (kVA)
Nominal ratings Un: 3~400 VAC						
-004A8-3	R1i	566	5,0	4,8	1,5	3,3
-006A0-3	R1i	566	7,2	6,0	2,2	4,2
-008A0-3	R1i	566	9,6	8,0	3,0	5,5
-0011A-3	R2i	566	12,6	10,5	4,0	7,3
-0014A-3	R2i	566	16,8	14,0	5,5	9,7
-0018A-3	R2i	566	21,6	18,0	7,5	12,5
-0025A-3	R3i	566	30,0	25,0	11,0	17,0
-0035A-3	R3i	566	42,0	35,0	15,0	24,0
-0044A-3	R3i	566	53,0	44,0	18,5	30,0
-0050A-3	R3i	566	60,0	50,0	22,0	35,0
-0061A-3	R4i	566	73,0	61,0	30,0	42,0
-0078A-3	R4i	566	94,0	78,0	37,0	54,0
-0094A-3	R4i	566	113,0	94,0	45,0	65,0
-0100A-3	R4i	566	125,0	104,0	55,0	72,0
ACS880: with f1: -, f2: 0-500 Hz and U2: 3~0...400 VAC, Icc 65 kA.						
Nominal ratings Un: 3~500 VAC						
-003A6-5	R1i	566/679/707	4,3	3,6	1,5	3,1
-004A8-5	R1i	566/679/707	5,8	4,8	2,2	4,2
-006A0-5	R1i	566/679/707	7,2	6,0	3,0	5,2

-008A0-5	R1i	566/679/707	9,6	8,0	4,0	6,9
-0011A-5	R2i	566/679/707	12,6	10,5	5,5	9,1
-0014A-5	R2i	566/679/707	16,8	14,0	7,5	12,1
-0018A-5	R2i	566/679/707	21,6	18,0	11,0	16,0
-0025A-5	R3i	566/679/707	30,0	25,0	15,0	22,0
-0030A-5	R3i	566/679/707	36,0	30,0	18,5	26,0
-0035A-5	R3i	566/679/707	42,0	35,0	22,0	30,0
-0050A-5	R3i	566/679/707	60,0	50,0	30,0	43,0
-0061A-5	R4i	566/679/707	73,0	61,0	37,0	53,0
-0078A-5	R4i	566/679/707	94,0	78,0	45,0	68,0
-0094A-5	R4i	566/679/707	113,0	94,0	55,0	81,0

ACS880: with f1: -, f2: 0-500 Hz and U2: 3~0...400/480/500 VAC, Icc 65 kA.

Module type ACS880-204	Frame (IP20)	Input		Output		
		U1 (V AC)	I1n (A AC)	U2 (V DC)	I2(A DC)	PN (kW) / Sn (kVA)
-008A8-3	R1i	3 ~ 400 V	8,0	566	10,0	5,5/5,5
-0018A-3	R2i	3 ~ 400 V	18,0	566	22,0	12,0/12,0
-0035A-3	R3i	3 ~ 400 V	35,0	566	42,0	24,0/24,0
-0050A-3	R3i	3 ~ 400 V	50,0	566	61,0	34,0/35,0
-0093A-3	R4i	3 ~ 400 V	93,0	566	113,0	64,0/64,0
-006A6-5	R1i	3~400/480/500	6,6	566/679/707	8,0	6,0/5,7
-0015A-5	R2i	3~400/480/500	15,0	566/679/707	18,0	13,0/13,0
-0029A-5	R3i	3~400/480/500	29,0	566/679/707	35,0	25,0/25,0
-0041A-5	R3i	3~400/480/500	41,0	566/679/707	50,0	35,0/36,0
-0077A-5	R4i	3~400/480/500	77,0	566/679/707	93,0	66,0/67,0

ACS880: with f1: 50/60 Hz (47 - 63 Hz), f2: -.

Drive type	Input ratings		Output ratings		
	I1 (A)	I2 = I _N (A)	P _N (kW)	S _N (kVA)	
U _N = 400 V (with U1 = 3~400 V AC)					
6-pulse					
ACS880-07-1140A-3	1047	1140	630	790	
ACS880-07-1250A-3	1148	1250	710	866	
ACS880-07-1480A-3	1359	1480	800	1025	
ACS880-07-1760A-3	1617	1760	1000	1219	
ACS880-07-2210A-3	2030	2210	1200	1531	

ACS880-07-2610A-3	2397	2610	1400	1808
12-pulse				
ACS880-07-0990A-3+A004	909	990	560	686
ACS880-07-1140A-3+A004	1047	1140	630	790
ACS880-07-1250A-3+A004	1148	1250	710	866
ACS880-07-1480A-3+A004	1359	1480	800	1025
ACS880-07-1760A-3+A004	1617	1760	1000	1219
ACS880-07-2210A-3+A004	2030	2210	1200	1531
ACS880-07-2610A-3+A004	2397	2610	1400	1808
U _N = 500 V (with U ₁ = 3~400/480/500 V AC)				
6-pulse				
ACS880-07-1070A-5	983	1070	710	927
ACS880-07-1320A-5	1212	1320	900	1143
ACS880-07-1450A-5	1332	1450	1000	1256
ACS880-07-1580A-5	1451	1580	1100	1368
ACS880-07-1800A-5	1653	1800	1250	1559
ACS880-07-1980A-5	1819	1980	1400	1715
12-pulse				
ACS880-07-0990A-5+A004	909	990	710	857
ACS880-07-1320A-5+A004	1212	1320	900	1143
ACS880-07-1450A-5+A004	1332	1450	1000	1256
ACS880-07-1580A-5+A004	1451	1580	1100	1368
ACS880-07-1800A-5+A004	1653	1800	1250	1559
ACS880-07-1980A-5+A004	1819	1980	1400	1715
U _N = 690 V (with U ₁ = 3~525/600/690 V AC)				
6-pulse				
ACS880-07-0800A-7	735	800	800	956
ACS880-07-0900A-7	827	900	900	1076
ACS880-07-1160A-7	1066	1160	1100	1386
ACS880-07-1450A-7	1332	1450	1400	1733
ACS880-07-1650A-7	1516	1650	1600	1972
ACS880-07-1950-7	1791	1950	1900	2330
ACS880-07-2300A-7	2113	2300	2200	2749
ACS880-07-2600A-7	2388	2600	2500	3107
ACS880-07-2860A-7	2627	2860	2800	3418
12-pulse				
ACS880-07-0800A-7+A004	735	800	800	956
ACS880-07-0950A-7+A004	873	950	900	1135
ACS880-07-1160A-7+A004	1066	1160	1100	1386
ACS880-07-1450A-7+A004	1332	1450	1400	1733

ACS880-07-1650A-7+A004	1516	1650	1600	1972
ACS880-07-1950A-7+A004	1791	1950	1900	2330
ACS880-07-2300A-7+A004	2113	2300	2200	2749
ACS880-07-2600A-7+A004	2388	2600	2500	3107
ACS880-07-2860A-7+A004	2627	2860	2800	3418

Drive type	Frame size	Input ratings	Output ratings		
		I1 = I _{Input} (A AC)	I2 = I _N (A)	P _N (kW)	S _N (kVA)
ACS880-04-...					
U _N = 400 V (with U1 = 3~400 V AC), 6-pulse					
1140A-3	D8T + 2xR8i	1047	1140	630	790
1250A-3	2xD8T + 2xR8i	1148	1250	710	866
1480A-3	2xD8T + 2xR8i	1359	1480	800	1025
1760A-3	2xD8T + 2xR8i	1617	1760	1000	1219
2210A-3	3xD8T + 3xR8i	2030	2210	1200	1531
2610A-3	3xD8T + 3xR8i	2397	2610	1400	1808
U _N = 400 V (with U1 = 3~400 V AC), 6- or 12-pulse					
0990A-3+A004	2xD7T + 2xR8i	909	990	560	686
1250A-3+A004	2xD8T + 2xR8i	1148	1250	710	866
1480A-3+A004	2xD8T + 2xR8i	1359	1480	800	1025
1760A-3+A004	2xD8T + 2xR8i	1617	1760	1000	1219
2210A-3+A004	4xD8T + 3xR8i	2030	2210	1200	1531
2610A-3+A004	4xD8T + 3xR8i	2397	2610	1400	1808
U _N = 500 V (with U1 = 3~400/480/500 V AC), 6-pulse					
1070A-5	D8T + 2xR8i	983	1070	710	927
1320A-5	2xD8T + 2xR8i	1212	1320	900	1143
1450A-5	2xD8T + 2xR8i	1332	1450	1000	1256
1580A-5	2xD8T + 2xR8i	1451	1580	1100	1368
1800A-5	2xD8T + 3xR8i	1653	1800	1250	1559
1980A-5	2xD8T + 3xR8i	1819	1980	1400	1715
U _N = 500 V (with U1 = 3~400/480/500 V AC), 6- or 12-pulse					
990A-5+A004	2xD7T + 2xR8i	909	990	710	857
1320A-5+A004	2xD8T + 2xR8i	1212	1320	900	1143
1450A-5+A004	2xD8T + 2xR8i	1332	1450	1000	1256
1580A-5+A004	2xD8T + 2xR8i	1451	1580	1100	1368

1800A-5+A004	2xD8T + 3xR8i	1653	1800	1250	1559
1980A-5+A004	2xD8T + 3xR8i	1819	1980	1400	1715
$U_N = 690 \text{ V (with } U_1 = 3\sim 525/600/690 \text{ V AC), 6-pulse}$					
0800A-7	1xD8T + 2xR8i	735	800	800	956
0900A-7	1xD8T + 2xR8i	827	900	900	1076
1160A-7	2xD8T + 2xR8i	1066	1160	1100	1386
1450A-7	2xD8T + 3xR8i	1332	1450	1400	1733
1650A-7	2xD8T + 3xR8i	1516	1650	1600	1972
2300A-7	3xD8T + 4xR8i	2113	2300	2200	2749
$U_N = 690 \text{ V (with } U_1 = 3\sim 525/600/690 \text{ V AC), 6- or 12-pulse}$					
0800A-7+A004	2xD7T + 2xR8i	735	800	800	956
0950A-7+A004	2xD8T + 2xR8i	873	950	900	1135
1160A-7+A004	2xD8T + 2xR8i	1066	1160	1100	1386
1450A-7+A004	2xD8T + 3xR8i	1332	1450	1400	1733
1650A-7+A004	2xD8T + 3xR8i	1516	1650	1600	1972
2300A-7+A004	4xD8T + 4xR8i	2113	2300	2200	2749

Drive type	Input ratings		Output ratings	
	I ₁ (A)	I ₂ = I _N (A)	P _N (kW)	S _N (kVA)
ACS880-17				
$U_N = 400 \text{ V (with } U_1 = 3\sim 400 \text{ V AC)}$				
ACS880-17-0450A-3	418	450	250	312
ACS880-17-0620A-3	575	620	355	430
ACS880-17-0730A-3	677	730	400	506
ACS880-17-0800A-3	742	800	450	554
ACS880-17-0870A-3	807	870	500	603
ACS880-17-1110A-3	1030	1110	630	769
ACS880-17-1210A-3	1123	1210	710	838
ACS880-17-1430A-3	1327	1430	800	991
ACS880-17-1700A-3	1577	1700	1000	1178
ACS880-17-2060A-3	1911	2060	1200	1427
ACS880-17-2530A-3	2347	2530	1400	1753
$U_N = 500 \text{ V (with } U_1 = 3\sim 400/480/500 \text{ V AC)}$				
ACS880-17-0420A-5	390	420	250	364
ACS880-17-0570A-5	529	570	400	494
ACS880-17-0640A-5	594	640	450	554
ACS880-17-0710A-5	659	710	500	615

ACS880-17-0780A-5	724	780	560	675.5
ACS880-17-1010A-5	937	1010	710	875
ACS880-17-1110A-5	1030	1110	800	961
ACS880-17-1530A-5	1420	1530	1100	1325
ACS880-17-1980A-5	1837	1980	1400	1715
ACS880-17-2270A-5	2106	2270	1600	1966

$U_N = 690 \text{ V}$ (with $U_1 = 3\sim 525/600/690 \text{ V AC}$)

ACS880-17-0320A-7	297	320	315	382
ACS880-17-0390A-7	362	390	355	466
ACS880-17-0460A-7	427	460	450	550
ACS880-17-0510A-7	473	510	500	610
ACS880-17-0580A-7	538	580	560	693
ACS880-17-0660A-7	612	660	630	789
ACS880-17-0770A-7	714	770	710	920
ACS880-17-0950A-7	881	950	900	1135
ACS880-17-1130A-7	1048	1130	1100	1350
ACS880-17-1450A-7	1345	1450	1400	1733
ACS880-17-1680A-7	1559	1680	1600	2008
ACS880-17-1950A-7	1809	1950	1900	2330
ACS880-17-2230A-7	2069	2230	2200	2665
ACS880-17-2770A-7	2570	2770	2700	3310
ACS880-17-3310A-7	3071	3310	3200	3956

With $f_1 = 50/60 \text{ Hz}$, $U_2 = 3\sim 0\ldots U_1$ and $f_2 = 0\ldots 500 \text{ Hz}$.

ACS880-37

$U_N = 400 \text{ V}$ (with $U_1 = 3\sim 400 \text{ V AC}$)

ACS880-37-0450A-3	418	450	250	312
ACS880-37-0620A-3	575	620	355	430
ACS880-37-0730A-3	677	730	400	506
ACS880-37-0800A-3	742	800	450	554
ACS880-37-0870A-3	807	870	500	603
ACS880-37-1110A-3	1030	1110	630	769
ACS880-37-1210A-3	1123	1210	710	838
ACS880-37-1430A-3	1327	1430	800	991
ACS880-37-1700A-3	1577	1700	1000	1178
ACS880-37-2060A-3	1911	2060	1200	1427
ACS880-37-2530A-3	2347	2530	1400	1753

$U_N = 500 \text{ V}$ (with $U_1 = 3\sim 400/480/500 \text{ V AC}$)

ACS880-37-0420A-5	390	420	250	364
ACS880-37-0570A-5	529	570	400	494
ACS880-37-0640A-5	594	640	450	554

ACS880-37-0710A-5	659	710	500	615
ACS880-37-0780A-5	724	780	560	675.5
ACS880-37-1010A-5	937	1010	710	875
ACS880-37-1110A-5	1030	1110	800	961
ACS880-37-1530A-5	1420	1530	1100	1325
ACS880-37-1980A-5	1837	1980	1400	1715
ACS880-37-2270A-5	2106	2270	1600	1966
U _N = 690 V (with U ₁ = 3~525/600/690 V AC)				
ACS880-37-0320A-7	297	320	315	382
ACS880-37-0390A-7	362	390	355	466
ACS880-37-0460A-7	427	460	450	550
ACS880-37-0510A-7	473	510	500	610
ACS880-37-0580A-7	538	580	560	693
ACS880-37-0660A-7	612	660	630	789
ACS880-37-0770A-7	714	770	710	920
ACS880-37-0950A-7	881	950	900	1135
ACS880-37-1130A-7	1048	1130	1100	1350
ACS880-37-1450A-7	1345	1450	1400	1733
ACS880-37-1680A-7	1559	1680	1600	2008
ACS880-37-1950A-7	1809	1950	1900	2330
ACS880-37-2230A-7	2069	2230	2200	2665
ACS880-37-2770A-7	2570	2770	2700	3310
ACS880-37-3310A-7	3071	3310	3200	3956

Drive type	Frame size	Input ratings	Output ratings		
		I1 = I _{Input} (A AC)	I2 = I _N (A)	P _N (kW)	S _N (kVA)
ACS880-14-... or ACS880-34-...					
U _N = 400 V (with U1 = 3~400 V AC)					
0450A-3	R8i + BLCL-13-5 + R8i	418	450	250	312
0620A-3	R8i + BLCL-13-5 + R8i	575	620	355	430
0730A-3	R8i + BLCL-15-5 + R8i	677	730	400	506
0800A-3	R8i + BLCL-15-5 + R8i	742	800	450	554
0870A-3	R8i + BLCL-15-5 + R8i	807	870	500	603
1210A-3	2xR8i + BLCL-24-5 + 2xR8i	1123	1210	710	838
1430A-3	2xR8i + BLCL-24-5 + 2xR8i	1327	1430	800	991
1700A-3	2xR8i + BLCL-25-5 + 2xR8i	1577	1700	1000	1178
2060A-3	3xR8i + 2xBLCL-24-5 + 3xR8i	1911	2060	1200	1427
2530A-3	3xR8i + 2xBLCL-24-5 + 3xR8i	2347	2530	1400	1753
U _N = 500 V (with U1 = 3~400/480/500 V AC)					

0420A-5	R8i + BLCL-13-5 + R8i	390	420	250	364
0570A-5	R8i + BLCL-13-5 + R8i	529	570	400	494
0640A-5	R8i + BLCL-15-5 + R8i	594	640	450	554
0710A-5	R8i + BLCL-15-5 + R8i	659	710	500	615
0780A-5	R8i + BLCL-15-5 + R8i	724	780	560	675,5
1110A-5	2xR8i + BLCL-24-5 + 2xR8i	937	1010	710	875
1530A-5	2xR8i + BLCL-25-5 + 2xR8i	1420	1530	1100	1325
1980A-5	3xR8i + 2xBLCL-24-5 + 3xR8i	1837	1980	1400	1715
2270A-5	3xR8i + 2xBLCL-24-5 + 3xR8i	2106	2270	1600	1966

$U_N = 690 \text{ V}$ (with $U_1 = 3\sim 525/600/690 \text{ V AC}$)

0320A-7	R8i + BLCL-13-7 + R8i	297	320	315	382
0390A-7	R8i + BLCL-13-7 + R8i	362	390	355	466
0460A-7	R8i + BLCL-15-7 + R8i	427	460	450	550
0510A-7	R8i + BLCL-15-7 + R8i	473	510	500	610
0580A-7	R8i + BLCL-15-7 + R8i	538	580	560	693
0770A-7	2xR8i + BLCL-24-7 + 2xR8i	714	770	710	920
0950A-7	2xR8i + BLCL-25-7 + 2xR8i	881	950	900	1135
1130A-7	2xR8i + BLCL-25-7 + 2xR8i	1048	1130	1100	1350
1450A-7	3xR8i + 2xBLCL-24-7 + 3xR8i	1345	1450	1400	1733
1680A-7	3xR8i + 2xBLCL-24-7 + 3xR8i	1559	1680	1600	2008
2230A-7	4xR8i + 2xBLCL-25-7 + 4xR8i	2069	2230	2200	2665

Drive type	Frame size	Input ratings	Output ratings		
		I1 = I _{Input} (A DC)	I2 = I _N (A AC)	P _N (kW)	S _N (kVA)
ACS880-107-...					
U _N = 400 V (with U1 = 566 V DC and U2 = 3~0...400 V AC)					
004A8-3	R1i	5,8	4,8	1,5	3,3
006A0-3	R1i	7,2	6,0	2,2	4,2
008A0-3	R1i	9,6	8,0	3,0	5,5
0011A-3	R2i	12,6	10,5	4,0	7,3
0014A-3	R2i	16,8	14,0	5,5	9,7
0018A-3	R2i	21,6	18,0	7,5	12,5
0025A-3	R3i	30	25	11,0	17,3
0035A-3	R3i	42	35	15,0	24,2
0044A-3	R3i	53	44	18,5	30,5
0050A-3	R3i	60	50	22	35
0061A-3	R4i	73	61	30	42

0078A-3	R4i	94	78	37	54
0094A-3	R4i	113	94	45	65
0100A-3	R4i	125	104	55	72
0140A-3	R6i	169	141	75	98
0170A-3	R6i	203	169	90	117
0210A-3	R6i	247	206	110	143
0250A-3	R6i	295	246	132	170
0300A-3	R7i	360	300	160	208
0350A-3	R7i	420	350	200	242
0470A-3	R8i	529	470	250	326
0640A-3	R8i	720	640	355	443
0760A-3	R8i	855	760	400	527
0900A-3	R8i	1013	900	500	624
1250A-3	2×R8i	1406	1250	630	866
1480A-3	2×R8i	1665	1480	800	1025
1760A-3	2×R8i	1980	1760	1000	1219
2210A-3	3×R8i	2486	2210	1200	1531
2610A-3	3×R8i	2936	2610	1400	1808
3450A-3	4×R8i	3881	3450	1800	2390
4290A-3	5×R8i	4826	4290	2400	2972
5130A-3	6×R8i	5771	5130	2800	3554

$U_N = 500 \text{ V}$ (with $U_1 = 566/679/707 \text{ V DC}$ and $U_2 = 3\sim0\dots400/480/500 \text{ V AC}$)

003A6-5	R1i	4,3	3,6	1,5	3,1
004A8-5	R1i	5,8	4,8	2,2	4,2
006A0-5	R1i	7,2	6,0	3,0	5,2
008A0-5	R1i	9,6	8,0	4,0	6,9
0011A-5	R2i	12,6	10,5	5,5	9,1
0014A-5	R2i	16,8	14,0	7,5	12,1
0018A-5	R2i	21,6	18,0	11,0	15,6
0025A-5	R3i	30	25	15,0	21,7
0030A-5	R3i	36	30	18,5	26,0
0035A-5	R3i	42	35	22	30
0050A-5	R3i	60	50	30	43
0061A-5	R4i	73	61	37	53
0078A-5	R4i	94	78	45	68
0094A-5	R4i	113	94	55	81
0110A-5	R6i	136	113	75	98
0140A-5	R6i	163	136	90	118
0170A-5	R6i	198	165	110	143
0200A-5	R6i	236	197	132	171
0240A-5	R6i	288	240	160	208

0300A-5	R7i	362	302	200	262
0340A-5	R7i	408	340	250	294
0440A-5	R8i	495	440	250	381
0590A-5	R8i	664	590	400	511
0740A-5	R8i	833	740	500	641
0810A-5	R8i	911	810	560	701
1150A-5	2×R8i	1294	1150	800	996
1450A-5	2×R8i	1631	1450	1000	1256
1580A-5	2×R8i	1778	1580	1100	1368
2150A-5	3×R8i	2419	2150	1500	1862
2350A-5	3×R8i	2644	2350	1600	2035
3110A-5	4×R8i	3499	3110	2000	2693
3860A-5	5×R8i	4343	3860	2400	3343
4610A-5	6×R8i	5186	4610	3200	3992

$U_N = 690 \text{ V}$ (with $U_1 = 742/849/976 \text{ V DC}$ and $U_2 = 3\text{--}0\text{...}525/600/690 \text{ V AC}$)

007A3-7	R5i	8,2	7,3	5,5	8,7
009A8-7	R5i	11,0	9,8	7,5	11,7
014A2-7	R5i	16,0	14,2	11,0	17,0
0018A-7	R5i	20	18,0	15,0	21,5
0022A-7	R5i	25	22	18,5	26,3
0027A-7	R5i	30	27	22	32
0035A-7	R5i	39	35	30	42
0042A-7	R5i	47	42	37	50
0052A-7	R5i	59	52	45	62
0062A-7	R6i	74	62	55	74
0082A-7	R6i	98	82	75	98
0100A-7	R6i	119	99	90	118
0130A-7	R6i	150	125	110	149
0140A-7	R6i	173	144	132	172
0190A-7	R6i	230	192	160	229
0220A-7	R7i	260	217	200	259
0270A-7	R7i	324	270	250	323
0340A-7	R8i	383	340	315	406
0410A-7	R8i	461	410	400	490
0530A-7	R8i	596	530	500	633
0600A-7	R8i	675	600	560	717
0800A-7	2×R8i	900	800	800	956
1030A-7	2×R8i	1159	1030	1000	1231
1170A-7	2×R8i	1316	1170	1100	1398
1540A-7	3×R8i	1733	1540	1400	1840
1740A-7	3×R8i	1958	1740	1600	2080

2300A-7	4×R8i	2588	2300	2000	2749
2860A-7	5×R8i	3218	2860	2800	3418
3420A-7	6×R8i	3848	3420	3200	4087
3990A-7	7×R8i	4489	3990	3600	4769
4560A-7	8×R8i	5130	4560	4400	5450
5130A-7	9×R8i	5771	5130	4800	6131
5700A-7	10×R8i	6413	5700	5600	6812

Drive type	Frame size	Input ratings	Output ratings		
		I1 = I _{Input} (A AC)	I2 = I _N (A DC)	P _N (kW)	S _N (kVA)
ACS880-207-...					
U _N = 400 V (with U1 = 3~400 V AC and U2 = 566 V DC)					
0420A-3	R8i	423	513	290	293
0580A-3	R8i	576	698	395	399
0810A-3	R8i	810	982	556	561
1130A-3	2×R8i	1125	1364	772	779
1330A-3	2×R8i	1332	1615	914	923
1580A-3	2×R8i	1584	1921	1086	1097
2350A-3	3×R8i	2349	2848	1611	1627
3110A-3	4×R8i	3105	3765	2130	2151
4620A-3	6×R8i	4617	5598	3167	3199
U _N = 500 V (with U1 = 3~400/480/500 V AC and U2 = 566/679/707 V DC)					
0400A-5	R8i	396	480	340	343
0530A-5	R8i	531	644	455	460
0730A-5	R8i	729	884	625	631
1040A-5	2×R8i	1035	1255	887	896
1420A-5	2×R8i	1422	1724	1219	1231
2120A-5	3×R8i	2115	2564	1813	1832
2800A-5	4×R8i	2799	3394	2400	2424
4150A-5	6×R8i	4149	5031	3557	3593
U _N = 690 V (with U1 = 3~525/600/690 V AC and U2 = 742/849/976 V DC)					
0310A-7	1×R8i	306	371	362	366
0370A-7	1×R8i	369	447	437	441
0540A-7	1×R8i	540	655	639	645
0720A-7	2×R8i	720	873	852	860
1050A-7	2×R8i	1053	1277	1246	1258
1570A-7	3×R8i	1566	1899	1853	1872
2070A-7	4×R8i	2070	2510	2449	2474
3080A-7	6×R8i	3078	3732	3642	3679
4100A-7	8×R8i	4104	4976	4856	4905
5130A-7	10×R8i	5130	6220	6070	6131

Supply unit type	Frame size	Input ratings	Output ratings		
		I1 (A AC)	I2 (A DC)	P _N (kW)	S _N (kVA)
U _N = 400 V (with U1 = 3~400 V AC)					
6-pulse (with U2 = 540 V DC)					
ACS880-307-0650A-3+A018	D8T	653	800	432	452
ACS880-307-0980A-3+A018	D8T	980	1200	648	679
ACS880-307-1210A-3+A018	2xD8T	1215	1488	804	842
ACS880-307-1820A-3+A018	2xD8T	1823	2232	1205	1263
ACS880-307-2730A-3+A018	3xD8T	2734	3348	1808	1894
ACS880-307-3640A-3+A018	4xD8T	3645	4464	2411	2525
ACS880-307-4560A-3+A018	5xD8T	4557	5580	3013	3157
ACS880-307-5470A-3+A018	6xD8T	5468	6696	3616	3788
12-pulse (with U2 = 560 V DC)					
ACS880-307-0910A-3+A004+A018	2xD7T	912	1116	603	632
ACS880-307-1210A-3+A004+A018	2xD8T	1215	1488	804	842
ACS880-307-1820A-3+A004+A018	2xD8T	1823	2232	1205	1263
ACS880-307-2430A-3+A004+A018	4xD8T	2430	2976	1607	1684
ACS880-307-3640A-3+A004+A018	4xD8T	3645	4464	2411	2525
ACS880-307-5470A-3+A004+A018	6xD8T	5468	6696	3616	3788
U _N = 500 V (with U1 = 3~400/480/500 V AC)					
6-pulse (with U2 = 540/648/675 V DC)					
ACS880-307-0650A-5+A018	D8T	653	800	540	566
ACS880-307-0980A-5+A018	D8T	980	1200	810	849
ACS880-307-1210A-5+A018	2xD8T	1215	1488	1004	1052
ACS880-307-1820A-5+A018	2xD8T	1823	2232	1507	1579
ACS880-307-2730A-5+A018	3xD8T	2734	3348	2260	2368
ACS880-307-3640A-5+A018	4xD8T	3645	4464	3013	3157
ACS880-307-4560A-5+A018	5xD8T	4557	5580	3767	3946
ACS880-307-5470A-5+A018	6xD8T	5468	6696	4520	4735
12-pulse (with U2 = 560/672/700 V DC)					
ACS880-307-0910A-5+A004+A018	2xD7T	912	1116	753	790
ACS880-307-1210A-5+A004+A018	2xD8T	1215	1488	1004	1052
ACS880-307-1820A-5+A004+A018	2xD8T	1823	2232	1507	1579
ACS880-307-2430A-5+A004+A018	4xD8T	2430	2976	2009	2104
ACS880-307-3640A-5+A004+A018	4xD8T	3645	4464	3013	3157
ACS880-307-5470A-5+A004+A018	6xD8T	5468	6696	4520	4735
U _N = 690 V (with U1 = 3~525/600/690 V AC)					
6-pulse (with U2 = 709/810/932 V DC)					
ACS880-307-0570A-7+A018	D8T	572	700	652	684

ACS880-307-0820A-7+A018	D8T	817	1000	932	976
ACS880-307-1060A-7+A018	2xD8T	1064	1302	1213	1272
ACS880-307-1520A-7+A018	2xD8T	1519	1860	1733	1815
ACS880-307-2280A-7+A018	3xD8T	2279	2790	2599	2724
ACS880-307-3040A-7+A018	4xD8T	3038	3720	3465	3631
ACS880-307-3800A-7+A018	5xD8T	3797	4650	4331	4538
ACS880-307-4560A-7+A018	6xD8T	4557	5580	5198	5445

12-pulse (with U₂ = 735/840/966 V DC)

ACS880-307-0760A-7+A004+A018	2xD7T	760	930	866	908
ACS880-307-1060A-7+A004+A018	2xD8T	1064	1302	1213	1272
ACS880-307-1520A-7+A004+A018	2xD8T	1519	1860	1733	1815
ACS880-307-2130A-7+A004+A018	4xD8T	2127	2604	2426	2542
ACS880-307-3040A-7+A004+A018	4xD8T	3038	3720	3465	3631
ACS880-307-4560A-7+A004+A018	6xD8T	4557	5580	5198	5446

Supply unit type	Frame size	Input ratings	Output ratings		
		I ₁ = I _N (A AC)	I ₂ = I _N (A DC)	P _N (kW)	S _N (kVA)

U_N = 400 V (with U₁ = 3~400 V AC and U₂ = 540 V DC)

ACS880-307-0080A-3+A003	D6D	80	98	53	55
ACS880-307-0170A-3+A003	D6D	173	212	114	120
ACS880-307-0330A-3+A003	D7D	327	400	216	227
ACS880-307-0490A-3+A003	D7D	490	600	324	339
ACS880-307-0650A-3+A003	D8D	653	800	432	452
ACS880-307-0980A-3+A003	D8D	980	1200	648	679

U_N = 500 V (with U₁ = 3~400/480/500 V AC and U₂ = 540/648/675 V DC)

ACS880-307-0080A-5+A003	D6D	80	98	66	69
ACS880-307-0170A-5+A003	D6D	173	212	143	150
ACS880-307-0330A-5+A003	D7D	327	400	270	283
ACS880-307-0490A-5+A003	D7D	490	600	405	424
ACS880-307-0650A-5+A003	D8D	653	800	540	566
ACS880-307-0980A-5+A003	D8D	980	1200	810	849

Unit type	Frame size	Output ratings				Input ratings
		R _{min} (Ω)	R _{max} (Ω)	I ₂ (= 3x I _{rms} at R _{min}) (A DC)	P _{contmax} (S _N) (kW / kVA)	I ₁ = I _{dc} (A DC) at R _{min}

U_N = 400 V (with U₁ = 566 V DC and U₂ = 3 x 0...566 V DC)

ACS880-607-0500-3	R8i	1,7	2,1	(3x) 310	500	781
ACS880-607-0750-3	R8i	1,2	1,4	(3x) 465	750	1171
ACS880-607-1000-3	2xR8i	1,7	2,1	(3x) 621	1000	1562
ACS880-607-1510-3	2xR8i	1,2	1,4	(3x) 931	1510	2342

ACS880-607-2260-3	3×R8i	1,2	1,4	(3x) 1396	2260	3514
ACS880-607-3010-3	4×R8i	1,2	1,4	(3x) 1862	3010	4685
ACS880-607-3770-3	5×R8i	1,2	1,4	(3x) 2327	3770	5856
U _N = 500 V (with U ₁ = 566/679/707 V DC and U ₂ = 3 x 0...566/679/707 V DC)						
ACS880-607-0630-5	R8i	2,2	2,6	(3x) 310	630	781
ACS880-607-0940-5	R8i	1,4	1,7	(3x) 465	940	1171
ACS880-607-1260-5	2×R8i	2,2	2,6	(3x) 621	1260	1562
ACS880-607-1880-5	2×R8i	1,4	1,7	(3x) 931	1880	2342
ACS880-607-2830-5	3×R8i	1,4	1,7	(3x) 1396	2830	3514
ACS880-607-3770-5	4×R8i	1,4	1,7	(3x) 1862	3770	4685
ACS880-607-4710-5	5×R8i	1,4	1,7	(3x) 2327	4710	5856
U _N = 690 V (with U ₁ = 742/849/976 V DC and U ₂ = 3 x 0...742/849/976 V DC)						
ACS880-607-0870-7	R8i	3,0	3,6	(3x) 310	870	781
ACS880-607-1300-7	R8i	2,0	2,4	(3x) 465	1300	1171
ACS880-607-1730-7	2×R8i	3,0	3,6	(3x) 621	1730	1562
ACS880-607-2600-7	2×R8i	2,0	2,4	(3x) 931	2600	2342
ACS880-607-3900-7	3×R8i	2,0	2,4	(3x) 1396	3900	3514
ACS880-607-5200-7	4×R8i	2,0	2,4	(3x) 1862	5200	4685
ACS880-607-6500-7	5×R8i	2,0	2,4	(3x) 2327	6500	5856

Unit type ACS880-907-...	Module type ACS880-104-...	Frame	Input ratings	Output ratings		
			I1 (A AC)	I2 (A DC)	P _N (kW)	S _N (kVA)
U _N = 400 V (with U1 = 3~400 V AC and U2 = 540 V DC)						
0600A-3	0640A-3	1×R8i	600	727	393	416
0900A-3	0900A-3	1×R8i	900	1091	589	624
1180A-3	0640A-3	2×R8i	1180	1431	773	818
1770A-3	0900A-3	2×R8i	1770	2146	1159	1226
2310A-3	0640A-3	4×R8i	2310	2801	1512	1600
3460A-3	0900A-3	4×R8i	3460	4195	2265	2397
5130A-3	0900A-3	6×R8i	5130	6220	3359	3554
U _N = 400/480/500 V (with U1 = 3~400/480/500 V AC and U2 = 540/648/675 V DC)						
0600A-5	0590A-5	1×R8i	600	727	491	520
0900A-5	0810A-5	1×R8i	900	1091	707	779
1180A-5	0590A-5	2×R8i	1180	1431	966	1022
1770A-5	0810A-5	2×R8i	1770	2146	1449	1533
2310A-5	0590A-5	4×R8i	2310	2801	1891	2001
3460A-5	0810A-5	4×R8i	3460	4195	2832	2996
5130A-5	0810A-5	6×R8i	5130	6220	4199	4443
U _N = 690 V (with U1 = 3~525/600/690 V AC and U2 = 709/810/932 V DC)						

0600A-7	0410A-7	1×R8i	600	727	678	717
0900A-7	0600A-7	1×R8i	900	1091	1016	1076
1180A-7	0410A-7	2×R8i	1180	1431	1333	1410
1770A-7	0600A-7	2×R8i	1770	2146	1999	2115
2310A-7	0410A-7	4×R8i	2310	2801	2609	2761
3460A-7	0600A-7	4×R8i	3460	4195	3908	4135
5130A-7	0600A-7	6×R8i	5130	6220	5794	6131

Unit type ACS880-1607-...	Module type ACS880-104-...	Frame	Input ratings	Output ratings		
			I1 = I _{dc} (A DC)	I2 = I _{rms} (A DC)	P _N (kW)	S _N (kVA)
U _N = 400 V (with U1 = 566 V DC and U2 = 50...509 V DC)						
0600A-3	0640A-3	R8i	600	600	305	30
0900A-3	0900A-3	R8i	900	900	458	45
1200A-3	0640A-3	2×R8i	1200	1200	611	61
1800A-3	0900A-3	2×R8i	1800	1800	916	91
U _N = 500 V (with U1 = 566/679/707 V DC and U2 = 50...509/611/636 V DC)						
0600A-5	0590A-5	R8i	600	600	382	38
0900A-5	0810A-5	R8i	900	900	573	57
1200A-5	0590A-5	2×R8i	1200	1200	764	76
1800A-5	0810A-5	2×R8i	1800	1800	1146	114
U _N = 690 V (with U1 = 742/849/976 V DC and U2 = 50...668/764/878 V DC)						
0400A-7	0410A-7	R8i	400	400	351	35
0600A-7	0600A-7	R8i	600	600	527	52
0800A-7	0410A-7	2×R8i	800	800	703	70
1200A-7	0600A-7	2×R8i	1200	1200	1054	105

ACS880-607:

U1: 742/849/976 VDC, I1: 107 A, U2: 0...742/849/976 VDC, I2: 107 A Sn: 400 kVA, IP42

NBRA-659:

Un 513...707 VDC, Rmin 1,2 / 1,35 Ohm, duty cycle 1 / 5 min, Irms 468 / 391 ADC, Rn 1,2 / 1,43 Ohm Ohm.

NBRA-669:

Un 709...976 VDC, Rmin 1,35 Ohm, duty cycle 1 / 5 min, Irms 267 ADC, Rn 2,72 Ohm.

NRCB:

U_N 709...976 V