

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT  
 (IECEE) CB SCHEME

**CB TEST CERTIFICATE**

Product	Air cooled drive module
Name and address of the applicant	Danfoss Drives Oy Runsorintie 7 FI-65380 Vaasa, Finland
Name and address of the manufacturer	Danfoss Drives Oy Runsorintie 7 FI-65380 Vaasa, Finland
Name and address of the factory	Danfoss Drives Oy Runsorintie 7 FI-65380 Vaasa, Finland
<i>Note: When more than one factory, please report on page 2</i>	<input type="checkbox"/> Additional Information on page 2
Ratings and principal characteristics	See pages 4-14
Trademark / Brand (if any)	Danfoss iC7
Customer's Testing Facility (CTF) Stage used	CTF2
Model / Type Ref.	iC7 air cooled series, see pages 4-14 for detailed model listing.
Additional information (if necessary may also be reported on page 2)	<input checked="" type="checkbox"/> Additional Information on page 2 Type designation and option code, see pages 2 and 3
A sample of the product was tested and found to be in conformity with	IEC 62477-1:2012 IEC 62477-1:2012/AMD1:2016
As shown in the Test Report Ref. No. which forms part of this Certificate	National Differences: - HELES2101000034-2

This CB Test Certificate is issued by the National Certification Body

 SGS Fimko Ltd  
 Takomotie 8  
 FI-00380 Helsinki, Finland

Date: 2024-08-23

Signature:



 Timo Leismala  
 Team Leader, EMC & RF



**Additional information:**

Description of the model code for drive modules:

Code	Description
iC7-60	<b>Product group</b>
SA	<b>Product category</b> SA = system module, air-cooled
3A	<b>Product type</b> 3A = 3~ regenerative AFE 3H = 3~ low-harmonic AFE GC = Grid converter module, GC IN = Inverter module, INU
05	<b>Voltage rating</b> 05 = 380–500 VAC
-816A	<b>Current rating</b> -03A0 = 3 A -816A = 816 A -3000 = 3000 A etc.
E00	<b>Protection rating</b> E00 = IP00/Open type
F4	<b>EMC level</b> F3 = C3 F4 = C4
+XXXX	<b>Options</b>

**Options (+XXXX):**

Option group +Axxx includes power unit options. Worst-case representative has been tested and evaluated.

INU, the Inverter Modules can be equipped with an optional integration unit with or without an output filter:

- +AEXX: Without integration unit
- +AE01: Short integration unit without filter
- +AEC1: Short integration unit with CM filter
- +AE10: Integration unit without filter
- +AEU1: Integration unit with DUT filter
- +AEU2: Integration unit with DUT+CM filter
- +AEC2: Integration unit with CM filter

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**Additional information:****Options (+XXXX):**

AFE, the Supply Unit System Modules can be equipped with two mechanical variants of the extended mechanics: a short variant, or the empty air duct:

- +AEXX: Without integration unit
- +AE01: Short integration unit without filter
- +AE10: Integration unit without filter

Increased Environmental Protection, applied by default:

- +AGCX: coating of printed circuit boards (PCBs)

AC/DC Fuses:

- +AKXX: No DC fuse and no disconnect
- +AKFX: DC fuse
- +AIXX: No DC fuse and no disconnect
- +AIFX: AC fuse

Option Group +Bxxx includes options related to control hardware. These options include non-electrical safety related options like:

- +BAxx, +BBxx: Different types of fieldbuses the system module
- +BDxx: Control unit equipped with an I/O board located to the left of the control card
- +BExx: Different levels of functional safety functions
- +BFxx: Control panel options with different Control panel types
- +BGxx: Control panel mounting kits with various types of door mounting kits
- +BKxx, +BLxx, +BHxx: Control panel cable with different lengths of the cable

Option Group +Cxxx includes control options made with option boards.

Option boards enabling these options have been investigated in the test report separately

- +C\_C0: General Purpose I/O OC7C0
- +C\_C1: I/O and Relay Option OC7C1
- +C\_R0: Relay Option OC7R0
- +C\_M0: Encoder/Resolver Option OC7M0
- +C\_T0: Temperature Measurement OC7T0
- +C\_V0: Voltage Measurement OC7V0

(The initial C indicates of Control option. “\_” Is replaced with letter indicating option slot and the last two letters will indicate the type of option. For example, relay option in slot C will be +CCR0)

Option Groups +Dxxx, +Exxx include licensed features and customization features which do not effect electrical safety aspects of the Air-Cooled System Module.

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**Additional information:**

Ratings of the drive modules:

**Current Ratings for Regenerative AFE Module, 400 V AC (465–650 V DC)**

Model code	Frame	AC ratings				DC ratings		
		S <sub>N</sub> [kVA]	I <sub>N</sub> [A]	I <sub>L</sub> [A]	I <sub>H</sub> [A]	I <sub>N-DC</sub> [A]	P <sub>L</sub> [kW]	P <sub>H</sub> [kW]
iC7-60SA3A05-317A	Ax10	225	324	317	263	371	216	179
iC7-60SA3A05-400A		284	409	400	327	469	272	223
iC7-60SA3A05-514A		364	525	514	426	602	349	290
iC7-60SA3A05-580A	Ax11	411	593	580	464	677	394	316
iC7-60SA3A05-650A		461	664	650	525	760	442	357
iC7-60SA3A05-730A		517	746	730	591	852	496	402
iC7-60SA3A05-816A		578	833	816	678	953	555	461
iC7-60SA3A05-920A	2 x Ax10	652	940	920	735	1075	625	500
iC7-60SA3A05-1030		729	1052	1030	850	1203	700	578
iC7-60SA3A05-1210	2 x Ax11	857	1236	1210	980	1413	822	666
iC7-60SA3A05-1410		998	1440	1410	1140	1647	958	775
iC7-60SA3A05-1630		1153	1664	1630	1360	1903	1107	924
iC7-60SA3A05-1860	3 x Ax11	1316	1899	1860	1575	2172	1263	1070
iC7-60SA3A05-2120		1500	2165	2120	1838	2475	1440	1248
iC7-60SA3A05-2450		1733	2501	2450	2030	2861	1664	1379
iC7-60SA3A05-2800	4 x Ax11	1981	2859	2800	2231	3268	1902	1515
iC7-60SA3A05-3270		2313	3338	3270	2710	3817	2221	1840
iC7-60SA3A05-3650	5 x Ax11	2582	3726	3650	2888	4260	2479	1961
iC7-60SA3A05-4080		2886	4165	4080	3390	4761	2771	2302
iC7-60SA3A05-4500	6 x Ax11	3183	4594	4500	3544	5251	3056	2407
iC7-60SA3A05-4900		3466	5002	4900	4070	5719	3327	2764
iC7-60SA3A05-5300	7 x Ax11	3749	5411	5300	4399	6186	3599	2987
iC7-60SA3A05-5700		4032	5819	5700	4731	6652	3871	3213
iC7-60SA3A05-6100	8 x Ax11	4315	6227	6100	5063	7118	4142	3438
iC7-60SA3A05-6500		4598	6636	6500	5395	7585	4414	3664

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**Additional information:**

Current Ratings for Regenerative AFE module, UL 480 V AC (650-800 V DC)

Model code	Frame	AC ratings				DC ratings		
		S <sub>N</sub> [kVA]	I <sub>N</sub> [A]	I <sub>L</sub> [A]	I <sub>H</sub> [A]	I <sub>N-DC</sub> [A]	P <sub>L</sub> [kW]	P <sub>H</sub> [kW]
iC7-60SA3A05-317A	Ax10	263	316	309	256	361	252	209
iC7-60SA3A05-400A		323	388	380	298	445	310	243
iC7-60SA3A05-514A		394	473	463	385	542	378	314
iC7-60SA3A05-580A	Ax11	442	531	520	424	608	424	346
iC7-60SA3A05-650A		498	598	585	470	684	477	383
iC7-60SA3A05-730A		553	664	650	511	759	530	417
iC7-60SA3A05-816A		622	747	731	607	853	596	495
iC7-60SA3A05-920A	2 x Ax10	701	843	825	639	964	673	521
iC7-60SA3A05-1030		790	950	930	770	1086	758	628
iC7-60SA3A05-1210	2 x Ax11	918	1103	1080	880	1262	880	717
iC7-60SA3A05-1410		1061	1276	1250	1030	1460	1019	840
iC7-60SA3A05-1630		1240	1491	1460	1210	1705	1190	986
iC7-60SA3A05-1860	3 x Ax11	1418	1705	1670	1363	1949	1361	1111
iC7-60SA3A05-2120		1622	1950	1910	1533	2230	1557	1250
iC7-60SA3A05-2450		1859	2236	2190	1820	2557	1785	1483
iC7-60SA3A05-2800	4 x Ax11	2131	2563	2510	1874	2930	2046	1527
iC7-60SA3A05-3270		2479	2981	2920	2430	3408	2380	1980
iC7-60SA3A05-3650	5 x Ax11	2793	3359	3290	2726	3840	2681	2222
iC7-60SA3A05-4080		3098	3726	3650	3030	4260	2974	2469
iC7-60SA3A05-4500	6 x Ax11	3404	4094	4010	3152	4681	3268	2569
iC7-60SA3A05-4900		3727	4482	4390	3640	5124	3577	2966
iC7-60SA3A05-5300	7 x Ax11	4032	4849	4750	3943	5543	3871	3213
iC7-60SA3A05-5700		4338	5217	5110	4241	5963	4164	3456
iC7-60SA3A05-6100	8 x Ax11	4651	5594	5480	4548	6395	4465	3706
iC7-60SA3A05-6500		4957	5962	5840	4847	6816	4759	3950

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FI-56539

**Additional information:**

Current Ratings for Regenerative AFE module, 500 V AC (650-800 V DC)

Model code	Frame	AC ratings				DC ratings		
		S <sub>N</sub> [kVA]	I <sub>N</sub> [A]	I <sub>L</sub> [A]	I <sub>H</sub> [A]	I <sub>N-DC</sub> [A]	P <sub>L</sub> [kW]	P <sub>H</sub> [kW]
iC7-60SA3A05-317A	Ax10	274	316	309	256	361	263	218
iC7-60SA3A05-400A		337	388	380	298	445	323	253
iC7-60SA3A05-514A		410	473	463	385	542	393	327
iC7-60SA3A05-580A	Ax11	460	531	520	424	608	442	360
iC7-60SA3A05-650A		518	598	585	470	683	497	399
iC7-60SA3A05-730A		576	664	650	511	760	552	434
iC7-60SA3A05-816A		647	747	731	607	854	621	516
iC7-60SA3A05-920A	2 x Ax10	731	843	825	639	963	701	543
iC7-60SA3A05-1030		823	950	930	770	1086	790	654
iC7-60SA3A05-1210	2 x Ax11	956	1103	1080	880	1261	917	747
iC7-60SA3A05-1410		1106	1276	1250	1030	1459	1061	875
iC7-60SA3A05-1630		1292	1491	1460	1210	1704	1240	1027
iC7-60SA3A05-1860	3 x Ax11	1477	1705	1670	1363	1949	1418	1157
iC7-60SA3A05-2120		1689	1950	1910	1533	2229	1622	1302
iC7-60SA3A05-2450		1937	2236	2190	1820	2557	1859	1545
iC7-60SA3A05-2800	4 x Ax11	2220	2563	2510	1874	2930	2131	1591
iC7-60SA3A05-3270		2582	2981	2920	2430	3408	2479	2063
iC7-60SA3A05-3650	5 x Ax11	2909	3359	3290	2726	3840	2793	2314
iC7-60SA3A05-4080		3227	3726	3650	3030	4260	3098	2572
iC7-60SA3A05-4500	6 x Ax11	3546	4094	4010	3152	4681	3404	2676
iC7-60SA3A05-4900		3882	4482	4390	3640	5124	3726	3090
iC7-60SA3A05-5300	7 x Ax11	4200	4849	4750	3943	5544	4032	3347
iC7-60SA3A05-5700		4519	5217	5110	4241	5964	4337	3600
iC7-60SA3A05-6100	8 x Ax11	4845	5594	5480	4548	6395	4651	3861
iC7-60SA3A05-6500		5164	5962	5840	4847	6815	4957	4114

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**Additional information:**

Current Ratings for Low-harmonic AFE Module, 400 V AC (465–650 V DC)

Model code	Frame	AC ratings				DC ratings		
		S <sub>N</sub> [kVA]	I <sub>N</sub> [A]	I <sub>L</sub> [A]	I <sub>H</sub> [A]	I <sub>N-DC</sub> [A]	P <sub>L</sub> [kW]	P <sub>H</sub> [kW]
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iC7-60SA3H05-400A		284	409	400	327	469	272	223
iC7-60SA3H05-514A		364	525	514	426	602	349	290
iC7-60SA3H05-580A	Ax11	411	593	580	464	677	394	316
iC7-60SA3H05-650A		461	664	650	525	760	442	357
iC7-60SA3H05-730A		517	746	730	591	852	496	402
iC7-60SA3H05-816A		578	833	816	678	953	555	461
iC7-60SA3H05-920A	2 x Ax10	652	940	920	735	1075	625	500
iC7-60SA3H05-1030		729	1052	1030	850	1203	700	578
iC7-60SA3H05-1210	2 x Ax11	857	1236	1210	980	1413	822	666
iC7-60SA3H05-1410		998	1440	1410	1140	1647	958	775
iC7-60SA3H05-1630		1153	1664	1630	1360	1903	1107	924
iC7-60SA3H05-1860	3 x Ax11	1316	1899	1860	1575	2172	1263	1070
iC7-60SA3H05-2120		1500	2165	2120	1838	2475	1440	1248
iC7-60SA3H05-2450		1733	2501	2450	2030	2861	1664	1379
iC7-60SA3H05-2800	4 x Ax11	1981	2859	2800	2231	3268	1902	1515
iC7-60SA3H05-3270		2313	3338	3270	2710	3817	2221	1840
iC7-60SA3H05-3650	5 x Ax11	2582	3726	3650	2888	4260	2479	1961
iC7-60SA3H05-4080		2886	4165	4080	3390	4761	2771	2302
iC7-60SA3H05-4500	6 x Ax11	3183	4594	4500	3544	5251	3056	2407
iC7-60SA3H05-4900		3466	5002	4900	4070	5719	3327	2764
iC7-60SA3H05-5300	7 x Ax11	3749	5411	5300	4399	6186	3599	2987
iC7-60SA3H05-5700		4032	5819	5700	4731	6652	3871	3213
iC7-60SA3H05-6100	8 x Ax11	4315	6227	6100	5063	7118	4142	3438
iC7-60SA3H05-6500		4598	6636	6500	5395	7585	4414	3664

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**Additional information:**

Current Ratings for Low-harmonic AFE Module, UL 480 V AC (650–800 V DC)

Model code	Frame	AC ratings				DC ratings		
		S <sub>N</sub> [kVA]	I <sub>N</sub> [A]	I <sub>L</sub> [A]	I <sub>H</sub> [A]	I <sub>N-DC</sub> [A]	P <sub>L</sub> [kW]	P <sub>H</sub> [kW]
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iC7-60SA3H05-650A		498	598	585	470	684	477	383
iC7-60SA3H05-730A		553	664	650	511	759	530	417
iC7-60SA3H05-816A		622	747	731	607	853	596	495
iC7-60SA3H05-920A	2 x Ax10	701	843	825	639	964	673	521
iC7-60SA3H05-1030		790	950	930	770	1086	758	628
iC7-60SA3H05-1210	2 x Ax11	918	1103	1080	880	1262	880	717
iC7-60SA3H05-1410		1061	1276	1250	1030	1460	1019	840
iC7-60SA3H05-1630		1240	1491	1460	1210	1705	1190	986
iC7-60SA3H05-1860	3 x Ax11	1418	1705	1670	1363	1949	1361	1111
iC7-60SA3H05-2120		1622	1950	1910	1533	2230	1557	1250
iC7-60SA3H05-2450		1859	2236	2190	1820	2557	1785	1483
iC7-60SA3H05-2800	4 x Ax11	2131	2563	2510	1874	2930	2046	1527
iC7-60SA3H05-3270		2479	2981	2920	2430	3408	2380	1980
iC7-60SA3H05-3650	5 x Ax11	2793	3359	3290	2726	3840	2681	2222
iC7-60SA3H05-4080		3098	3726	3650	3030	4260	2974	2469
iC7-60SA3H05-4500	6 x Ax11	3404	4094	4010	3152	4681	3268	2569
iC7-60SA3H05-4900		3727	4482	4390	3640	5124	3577	2966
iC7-60SA3H05-5300	7 x Ax11	4032	4849	4750	3943	5543	3871	3213
iC7-60SA3H05-5700		4338	5217	5110	4241	5963	4164	3456
iC7-60SA3H05-6100	8 x Ax11	4651	5594	5480	4548	6395	4465	3706
iC7-60SA3H05-6500		4957	5962	5840	4847	6816	4759	3950

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**Additional information:**

Current Ratings for Low-harmonic AFE Module, 500 V AC (650–800 V DC)

Model code	Frame	AC ratings				DC ratings		
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iC7-60SA3H05-317A	Ax10	274	316	309	256	361	263	218
iC7-60SA3H05-400A		337	388	380	298	445	323	253
iC7-60SA3H05-514A		410	473	463	385	542	393	327
iC7-60SA3H05-580A	Ax11	460	531	520	424	608	442	360
iC7-60SA3H05-650A		518	598	585	470	683	497	399
iC7-60SA3H05-730A		576	664	650	511	760	552	434
iC7-60SA3H05-816A		647	747	731	607	854	621	516
iC7-60SA3H05-920A	2 x Ax10	731	843	825	639	963	701	543
iC7-60SA3H05-1030		823	950	930	770	1086	790	654
iC7-60SA3H05-1210	2 x Ax11	956	1103	1080	880	1261	917	747
iC7-60SA3H05-1410		1106	1276	1250	1030	1459	1061	875
iC7-60SA3H05-1630		1292	1491	1460	1210	1704	1240	1027
iC7-60SA3H05-1860	3 x Ax11	1477	1705	1670	1363	1949	1418	1157
iC7-60SA3H05-2120		1689	1950	1910	1533	2229	1622	1302
iC7-60SA3H05-2450		1937	2236	2190	1820	2557	1859	1545
iC7-60SA3H05-2800	4 x Ax11	2220	2563	2510	1874	2930	2131	1591
iC7-60SA3H05-3270		2582	2981	2920	2430	3408	2479	2063
iC7-60SA3H05-3650	5 x Ax11	2909	3359	3290	2726	3840	2793	2314
iC7-60SA3H05-4080		3227	3726	3650	3030	4260	3098	2572
iC7-60SA3H05-4500	6 x Ax11	3546	4094	4010	3152	4681	3404	2676
iC7-60SA3H05-4900		3882	4482	4390	3640	5124	3726	3090
iC7-60SA3H05-5300	7 x Ax11	4200	4849	4750	3943	5544	4032	3347
iC7-60SA3H05-5700		4519	5217	5110	4241	5964	4337	3600
iC7-60SA3H05-6100	8 x Ax11	4845	5594	5480	4548	6395	4651	3861
iC7-60SA3H05-6500		5164	5962	5840	4847	6815	4957	4114

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**Additional information:****Current Ratings for Inverter Module, 400 V AC (465–650 V DC)**

Model code	Frame	AC current				Typical motor power, 400 V AC		DC current
		$I_N$ [A]	$I_L$ [A]	$I_H$ [A]	$I_{PEAK}$ [A]	$P_L$ [kW]	$P_H$ [kW]	
iC7-60SAIN05-385A	Ix10	394	385	320	544	200	160	410
iC7-60SAIN05-480A		490	480	399	679	250	200	510
iC7-60SAIN05-590A		603	590	490	833	315	250	641
iC7-60SAIN05-658A	Ix11	672	658	547	930	355	250	721
iC7-60SAIN05-730A		746	730	606	1031	400	315	813
iC7-60SAIN05-820A		838	820	681	1158	450	355	913
iC7-60SAIN05-880A		899	880	731	1243	500	400	1015
iC7-60SAIN05-1000	2 x Ix10	1021	1000	830	1411	560	450	1138
iC7-60SAIN05-1100		1123	1100	913	1553	630	500	1280
iC7-60SAIN05-1260	2 x Ax11	1287	1260	1050	1785	710	560	1441
iC7-60SAIN05-1450		1481	1450	1210	2057	800	630	1625
iC7-60SAIN05-1710		1746	1710	1420	2414	900	710	1826
iC7-60SAIN05-1760	3 x Ix11	1797	1760	1470	2499	1000	800	2030
iC7-60SAIN05-1960		2001	1960	1630	2771	1100	900	2234
iC7-60SAIN05-2150		2195	2150	1790	3043	1200	1000	2436
iC7-60SAIN05-2340		2389	2340	1950	3315	1300	1000	2639
iC7-60SAIN05-2510		2563	2510	2090	3553	1400	1100	2841
iC7-60SAIN05-2640	4 x Ix11	2695	2640	2200	3740	1500	1200	3045
iC7-60SAIN05-2880		2940	2880	2400	4080	1600	1300	3247
iC7-60SAIN05-3060		3124	3060	2540	4318	1700	1400	3450
iC7-60SAIN05-3280		3349	3280	2730	4641	1800	1500	3652
iC7-60SAIN05-3420	5 x Ix11	3492	3420	2840	4828	1900	1500	3856
iC7-60SAIN05-3600		3675	3600	2990	5083	2000	1600	4058
iC7-60SAIN05-4060		4145	4060	3370	5729	2200	1800	4465
iC7-60SAIN05-4320	6 x Ix11	4410	4320	3590	6103	2400	1900	4871
iC7-60SAIN05-4870		4972	4870	4050	6885	2700	2200	5478

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**Additional information:**

## Current Ratings for Inverter Module, UL 460 V AC (650–800 V DC)

Model code	Frame	AC current				Typical motor power, 460 V AC		DC current
		$I_N$ [A]	$I_L$ [A]	$I_H$ [A]	$I_{PEAK}$ [A]	$P_L$ [kW]	$P_H$ [kW]	
iC7-60SAIN05-385A	Ix10	394	385	320	544	300	250	380
iC7-60SAIN05-480A		490	480	399	679	350	300	443
iC7-60SAIN05-590A		543	531	441	750	450	350	570
iC7-60SAIN05-658A	Ix11	603	590	490	833	500	350	632
iC7-60SAIN05-730A		672	658	547	930	550	450	695
iC7-60SAIN05-820A		746	730	606	1031	600	500	758
iC7-60SAIN05-880A		838	820	681	1158	700	550	883
iC7-60SAIN05-1000	2 x Ix10	940	920	764	1299	750	550	948
iC7-60SAIN05-1100		1052	1030	855	1454	850	650	1073
iC7-60SAIN05-1260	2 x Ax11	1174	1150	960	1632	950	750	1200
iC7-60SAIN05-1450		1328	1300	1080	1836	1100	850	1389
iC7-60SAIN05-1710		1603	1570	1310	2227	1300	1100	1641
iC7-60SAIN05-1760	3 x Ix11	1787	1750	1470	2499	1500	1200	1892
iC7-60SAIN05-1960		1940	1900	1580	2686	1600	1300	2021
iC7-60SAIN05-2150		2083	2040	1700	2890	1700	1300	2146
iC7-60SAIN05-2340		2195	2150	1790	3043	1800	1500	2272
iC7-60SAIN05-2510		2389	2340	1950	3315	1900	1600	2397
iC7-60SAIN05-2640	4 x Ix11	2532	2480	2060	3502	2100	1700	2650
iC7-60SAIN05-2880		2685	2630	2190	3723	2200	1800	2775
iC7-60SAIN05-3060		2828	2770	2300	3910	2300	1800	2902
iC7-60SAIN05-3280		3114	3050	2540	4318	2500	2100	3155
iC7-60SAIN05-3420	5 x Ix11	3277	3210	2670	4539	2700	2200	3406
iC7-60SAIN05-3600		3573	3500	2910	4947	2900	2300	3658
iC7-60SAIN05-4060		3859	3780	3140	5338	3200	2500	4036
iC7-60SAIN05-4320	6 x Ix11	4176	4090	3400	5780	3400	2700	4289
iC7-60SAIN05-4870		4625	4530	3760	6392	3700	2900	4667

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**Additional information:**

## Current Ratings for Inverter Module, 500 V AC (650–800 V DC)

Model code	Frame	AC current				Typical motor power, 500 V AC		DC current
		$I_N$ [A]	$I_L$ [A]	$I_H$ [A]	$I_{PEAK}$ [A]	$P_L$ [kW]	$P_H$ [kW]	
iC7-60SAIN05-385A	Ix10	394	385	320	544	250	200	408
iC7-60SAIN05-480A		490	480	399	679	315	250	513
iC7-60SAIN05-590A		543	531	441	750	355	250	577
iC7-60SAIN05-658A	Ix11	603	590	490	833	400	315	651
iC7-60SAIN05-730A		672	658	547	930	450	355	731
iC7-60SAIN05-820A		746	730	606	1031	500	400	812
iC7-60SAIN05-880A		838	820	681	1158	560	450	910
iC7-60SAIN05-1000	2 x Ix10	940	920	764	1299	630	500	1024
iC7-60SAIN05-1100		1052	1030	855	1454	710	560	1153
iC7-60SAIN05-1260	2 x Ax11	1174	1150	960	1632	800	630	1300
iC7-60SAIN05-1450		1328	1300	1080	1836	900	710	1461
iC7-60SAIN05-1710		1603	1570	1310	2227	1100	900	1787
iC7-60SAIN05-1760	3 x Ix11	1787	1750	1470	2499	1200	1000	1949
iC7-60SAIN05-1960		1940	1900	1580	2686	1300	1100	2112
iC7-60SAIN05-2150		2083	2040	1700	2890	1400	1100	2273
iC7-60SAIN05-2340		2195	2150	1790	3043	1500	1200	2436
iC7-60SAIN05-2510		2389	2340	1950	3315	1600	1300	2598
iC7-60SAIN05-2640	4 x Ix11	2532	2480	2060	3502	1700	1400	2760
iC7-60SAIN05-2880		2685	2630	2190	3723	1800	1500	2922
iC7-60SAIN05-3060		2828	2770	2300	3910	1900	1500	3085
iC7-60SAIN05-3280		3114	3050	2540	4318	2000	1700	3246
iC7-60SAIN05-3420	5 x Ix11	3277	3210	2670	4539	2200	1800	3572
iC7-60SAIN05-3600		3573	3500	2910	4947	2400	1900	3897
iC7-60SAIN05-4060		3859	3780	3140	5338	2600	2100	4221
iC7-60SAIN05-4320	6 x Ix11	4176	4090	3400	5780	2800	2300	4546
iC7-60SAIN05-4870		4625	4530	3760	6392	3100	2600	5033

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**Additional information:**

## Current Ratings for Grid Converter Module, 400 V AC (465–650 V DC)

Model code	Frame	AC ratings				DC ratings		
		$S_N$ [kVA]	$I_N$ [A]	$I_L$ [A]	$I_H$ [A]	$I_{N-DC}$ [A]	$P_{L-DC}$ [kW]	$P_{H-DC}$ [kW]
iC7-60SAGC05-317A	Ax10	225	324	317	263	371	216	179
iC7-60SAGC05-400A		284	409	400	327	469	272	223
iC7-60SAGC05-514A		364	525	514	426	602	349	290
iC7-60SAGC05-580A	Ax11	411	593	580	464	677	394	316
iC7-60SAGC05-650A		461	664	650	525	760	442	357
iC7-60SAGC05-730A		517	746	730	591	852	496	402
iC7-60SAGC05-816A		578	833	816	678	953	555	461
iC7-60SAGC05-920A	2 x Ax10	652	940	920	735	1075	625	500
iC7-60SAGC05-1030		729	1052	1030	850	1203	700	578
iC7-60SAGC05-1210	2 x Ax11	857	1236	1210	980	1413	822	666
iC7-60SAGC05-1410		998	1440	1410	1140	1647	958	775
iC7-60SAGC05-1630		1153	1664	1630	1360	1903	1107	924
iC7-60SAGC05-1860	3 x Ax11	1316	1899	1860	1575	2172	1263	1070
iC7-60SAGC05-2120		1500	2165	2120	1838	2475	1440	1248
iC7-60SAGC05-2450		1733	2501	2450	2030	2861	1664	1379
iC7-60SAGC05-2800	4 x Ax11	1981	2859	2800	2231	3268	1902	1515
iC7-60SAGC05-3270		2313	3338	3270	2710	3817	2221	1840
iC7-60SAGC05-3650	5 x Ax11	2582	3726	3650	2888	4260	2479	1961
iC7-60SAGC05-4080		2886	4165	4080	3390	4761	2771	2302
iC7-60SAGC05-4500	6 x Ax11	3183	4594	4500	3544	5251	3056	2407
iC7-60SAGC05-4900		3466	5002	4900	4070	5719	3327	2764
iC7-60SGCA05-5300	7 x Ax11	3749	5411	5300	4399	6186	3599	2987
iC7-60SGCA05-5700		4032	5819	5700	4731	6652	3871	3213
iC7-60SGCA05-6100	8 x Ax11	4315	6227	6100	5063	7118	4142	3438
iC7-60SGCA05-6500		4598	6636	6500	5395	7585	4414	3664

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**Additional information:**

## Current Ratings for Grid Converter Module, 500 V AC (650–800 V DC)

Model code	Frame	AC ratings				DC ratings		
		$S_N$ [kVA]	$I_N$ [A]	$I_L$ [A]	$I_H$ [A]	$I_{N-DC}$ [A]	$P_{L-DC}$ [kW]	$P_{H-DC}$ [kW]
iC7-60SAGC05-317A	Ax10	274	316	309	256	361	263	218
iC7-60SAGC05-400A		337	388	380	298	445	323	253
iC7-60SAGC05-514A		410	473	463	385	542	393	327
iC7-60SAGC05-580A	Ax11	460	531	520	424	608	442	360
iC7-60SAGC05-650A		518	598	585	470	683	497	399
iC7-60SAGC05-730A		576	664	650	511	760	552	434
iC7-60SAGC05-816A		647	747	731	607	854	621	516
iC7-60SAGC05-920A	2 x Ax10	731	843	825	639	963	701	543
iC7-60SAGC05-1030		823	950	930	770	1086	790	654
iC7-60SAGC05-1210	2 x Ax11	956	1103	1080	880	1261	917	747
iC7-60SAGC05-1410		1106	1276	1250	1030	1459	1061	875
iC7-60SAGC05-1630		1292	1491	1460	1210	1704	1240	1027
iC7-60SAGC05-1860	3 x Ax11	1477	1705	1670	1363	1949	1418	1157
iC7-60SAGC05-2120		1689	1950	1910	1533	2229	1622	1302
iC7-60SAGC05-2450		1937	2236	2190	1820	2557	1859	1545
iC7-60SAGC05-2800	4 x Ax11	2220	2563	2510	1874	2930	2131	1591
iC7-60SAGC05-3270		2582	2981	2920	2430	3408	2479	2063
iC7-60SAGC05-3650	5 x Ax11	2909	3359	3290	2726	3840	2793	2314
iC7-60SAGC05-4080		3227	3726	3650	3030	4260	3098	2572
iC7-60SAGC05-4500	6 x Ax11	3546	4094	4010	3152	4681	3404	2676
iC7-60SAGC05-4900		3882	4482	4390	3640	5124	3726	3090
iC7-60SGCA05-5300	7 x Ax11	4200	4849	4750	3943	5544	4032	3347
iC7-60SGCA05-5700		4519	5217	5110	4241	5964	4337	3600
iC7-60SGCA05-6100	8 x Ax11	4845	5594	5480	4548	6395	4651	3861
iC7-60SGCA05-6500		5164	5962	5840	4847	6815	4957	4114

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