Enertronica Santerno Sinus Penta frequency inverter
Product information acc. to REGULATION (EU) 2019/1781 (ANNEX I, Section 4)

Product's model identifier	Power losses									Efficiency level	Apparent output power - IEC 61800-9-2	Indicative motor rated power output	Rated output current	Maximum operating temperature	Rated supply voltage	Rated supply frequency	Switching frequency	Rated apparent output power
	f, I (90%, 100%) [%]	f, I (100%, 50%) [%]	f, I (50%, 100%) [%]	f, I (50%, 50%) [%]	f, I (50%, 25%) [%]	f, I (0%, 100%) [%]	f, I (0%, 50%) [%]	f, I (0%, 25%) [%]	Standby losses [%]		Sr,equ kVA	kW	A	°C	V	Hz	kHz	kVA
S05 0007 2T	3.2	1.8	2.8	1.6	1.2	2.6	1.6	1.2	0.4	IE2	5.85	3	12.5	50	230	50	5	5.0
S05 0008 2T	2.8	1.6	2.5	1.4	1.0	2.3	1.4	1.0	0.3	IE2	7.94	3.7	15	50	230	50	5	6.0
S05 0010 2T	3.2	1.8	2.8	1.5	1.1	2.6	1.5	1.1	0.3	IE2	7.94	4	17	50	230	50	5	6.8
S05 0013 2T	2.9	1.6	2.5	1.4	1.0	2.3	1.4	1.0	0.3	IE2	7.94	4.5	19	50	230	50	5	7.6
S05 0015 2T	2.5	1.4	2.2	1.2	0.9	2.0	1.2	0.9	0.2	IE2	9.95	5.5	23	50	230	50	5	9.2
S05 0016 2T	2.7	1.4	2.3	1.3	0.9	2.2	1.3	0.9	0.2	IE2	14.4	7.5	27	45	230	50	3	10.8
S05 0020 2T	2.7	1.4	2.3	1.2	0.9	2.1	1.2	0.9	0.2	IE2	14.4	9.2	30	40	230	50	3	12.0
S12 0023 2T	2.6	1.4	2.2	1.2	0.8	2.1	1.2	0.8	0.1	IE2	19.5	11	38	50	230	50	3	15.1
S12 0033 2T	2.5	1.3	2.1	1.1	0.8	2.0	1.1	0.8	0.1	IE2	23.9	15	51	45	230	50	3	20.3
S12 0037 2T	2.2	1.1	1.9	1.0	0.7	1.7	1.0	0.7	0.1	IE2	28.3	15	65	40	230	50	3	25.9
S15 0040 2T	2.9	1.6	2.5	1.4	1.0	2.2	1.2	1.0	0.2	IE2	38.2	18.5	72	40	230	50	3	28.7
S15 0049 2T	3.0	1.7	2.6	1.5	1.0	2.3	1.2	1.0	0.2	IE2	38.2	22	80	40	230	50	3	31.9
S20 0060 2T	2.7	1.5	2.3	1.4	1.0	2.1	1.2	1.0	0.2	IE2	38.2	25	88	45	230	50	3	35.1
S20 0067 2T	3.0	1.7	2.6	1.5	1.1	2.4	1.3	1.1	0.2	IE2	47.0	28	103	40	230	50	3	41.0
S20 0074 2T	2.8	1.6	2.4	1.4	1.0	2.2	1.2	1.0	0.1	IE2	56.9	30	120	45	230	50	3	47.8
S20 0086 2T	2.7	1.5	2.3	1.3	0.9	2.1	1.1	0.9	0.1	IE2	68.4	37	145	40	230	50	3	57.8
S30 0113 2T	3.0	1.7	2.6	1.4	1.0	2.3	1.2	1.0	0.1	IE2	92.8	45	180	45	230	50	3	71.7
S30 0129 2T	3.0	1.6	2.5	1.4	1.0	2.3	1.2	1.0	0.1	IE2	92.8	55	195	40	230	50	3	77.7
S30 0150 2T	2.9	1.6	2.4	1.4	0.9	2.2	1.2	0.9	0.1	IE2	92.8	65	215	45	230	50	2	85.6
S30 0162 2T	2.8	1.6	2.4	1.3	0.9	2.2	1.1	0.9	0.1	IE2	111	70	240	40	230	50	2	95.6
S41 0180 2T	2.1	1.0	1.8	1.0	0.5	1.5	0.9	0.5	0.1	IE2	135	75	300	45	230	50	2	119.5
S41 0202 2T	2.3	1.1	2.0	1.1	0.6	1.6	0.9	0.6	0.0	IE2	162	90	345	40	230	50	2	137.4
S41 0217 2T	2.3	1.1	2.0	1.1	0.6	1.6	0.9	0.6	0.0	IE2	162	110	375	45	230	50	2	149.4
S41 0260 2T	2.3	1.1	1.9	1.1	0.6	1.6	0.9	0.6	0.0	IE2	196	120	445	40	230	50	2	177.3
S51 0313 2T	2.3	1.0	2.0	1.0	0.7	1.7	0.8	0.5	0.0	IE2	196	132	480	50	230	50	2	191.2
S51 0367 2T	2.2	1.0	1.9	1.0	0.7	1.6	0.8	0.5	0.0	IE2	245	160	550	50	230	50	2	219.1
S51 0402 2T	2.3	1.0	2.0	1.0	0.7	1.7	0.8	0.5	0.0	IE2	302	185	680	40	230	50	2	270.9
S60 0457 2T	2.6	1.5	2.2	1.3	1.0	2.0	1.1	1.0	0.2	IE2	302	200	720	45	230	50	2	286.8
S60 0524 2T	2.6	1.5	2.3	1.3	1.0	2.1	1.1	1.0	0.2	IE2	381	220	800	40	230	50	2	318.7
2xS41 0523 2T	2.5	1.2	2.2	1.2	0.6	1.8	1.0	0.6	0.0	IE2	381	220	800	40	230	50	2	318.7

Operating point (f; I)   f = relative motor stator frequency; I = relative torque-producing current

Power losses   Power losses at operating points (f; I) and in standby mode relate to the rated apparent output power.

Product's model identifier	Power losses									Efficiency level	Apparent output power - IEC 61800-9-2	Indicative motor rated power output	Rated output current	Maximum operating temperature	Rated supply voltage	Rated supply frequency	Switching frequency	Rated apparent output power
	f, I (90%, 100%)	f, I (100%, 50%)	f, I (50%, 100%)	f, I (50%, 50%)	f, I (50%, 25%)	f, I (0%, 100%)	f, I (0%, 50%)	f, I (0%, 25%)	Standby losses		Sr,equ							
	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[%]		kVA	kW	A	°C	V	Hz	kHz	kVA
S05 0005 4T	2.9	1.6	2.6	1.4	1.0	2.4	1.4	1.0	0.3	IE2	7.94	4.5	10.5	50	400	50	5	7.3
S05 0007 4T	2.8	1.5	2.4	1.3	0.9	2.2	1.3	0.9	0.2	IE2	9.95	5.5	12.5	50	400	50	5	8.7
S05 0009 4T	2.8	1.5	2.4	1.3	0.9	2.2	1.3	0.9	0.2	IE2	14.4	7.5	16.5	40	400	50	5	11.4
S05 0011 4T	2.8	1.5	2.4	1.3	0.9	2.2	1.3	0.9	0.2	IE2	14.4	7.5	16.5	40	400	50	5	11.4
S05 0014 4T	2.8	1.5	2.4	1.3	0.9	2.2	1.3	0.9	0.2	IE2	14.4	7.5	16.5	40	400	50	5	11.4
S12 0016 4T	2.3	1.2	2.0	1.0	0.7	1.8	1.0	0.7	0.1	IE2	19.5	11	27	45	400	50	3	18.7
S12 0017 4T	2.4	1.2	2.0	1.1	0.7	1.9	1.1	0.7	0.1	IE2	23.9	15	30	40	400	50	3	20.8
S12 0020 4T	2.4	1.2	2.0	1.1	0.7	1.9	1.1	0.7	0.1	IE2	23.9	15	30	40	400	50	3	20.8
S12 0025 4T	1.8	0.9	1.6	0.8	0.6	1.5	0.8	0.6	0.1	IE2	38.2	22	41	40	400	50	3	28.4
S12 0030 4T	1.8	0.9	1.5	0.8	0.5	1.4	0.8	0.5	0.1	IE2	38.2	22	45	40	400	50	3	31.2
S12 0034 4T	1.7	0.9	1.5	0.8	0.5	1.4	0.8	0.5	0.0	IE2	47.0	30	57	40	400	50	3	39.5
S12 0036 4T	1.7	0.9	1.5	0.8	0.5	1.4	0.8	0.5	0.0	IE2	47.0	30	60	40	400	50	3	41.6
S15 0040 4T	1.6	0.9	1.4	0.8	0.6	1.3	0.7	0.6	0.1	IE2	56.9	37	72	40	400	50	3	49.9
S15 0049 4T	1.7	1.0	1.5	0.8	0.6	1.3	0.7	0.6	0.1	IE2	56.9	45	80	40	400	50	3	55.4
S20 0060 4T	1.6	0.9	1.3	0.8	0.6	1.2	0.7	0.6	0.1	IE2	68.4	50	88	45	400	50	3	61.0
S20 0067 4T	1.8	1.0	1.5	0.9	0.6	1.4	0.7	0.6	0.1	IE2	92.8	55	103	40	400	50	3	71.4
S20 0074 4T	1.6	0.9	1.4	0.8	0.6	1.3	0.7	0.6	0.1	IE2	92.8	65	120	45	400	50	3	83.1
S20 0086 4T	1.5	0.9	1.3	0.7	0.5	1.2	0.6	0.5	0.1	IE2	111	75	145	40	400	50	3	100.5
S30 0113 4T	1.7	1.0	1.5	0.8	0.6	1.3	0.7	0.6	0.1	IE2	135	100	180	45	400	50	2	124.7
S30 0129 4T	1.7	0.9	1.5	0.8	0.6	1.3	0.7	0.6	0.0	IE2	162	110	195	40	400	50	2	135.1
S30 0156 4T	1.6	0.9	1.4	0.8	0.5	1.3	0.7	0.5	0.0	IE2	162	120	215	45	400	50	2	149.0
S30 0162 4T	1.6	0.9	1.4	0.8	0.5	1.3	0.7	0.5	0.0	IE2	196	132	240	40	400	50	2	166.3
S41 0180 4T	1.2	0.6	1.0	0.6	0.3	0.9	0.5	0.3	0.0	IE2	245	160	300	45	400	50	2	207.8
S41 0202 4T	1.3	0.6	1.1	0.6	0.3	0.9	0.5	0.3	0.0	IE2	245	200	345	40	400	50	2	239.0
S41 0217 4T	1.3	0.6	1.1	0.6	0.3	0.9	0.5	0.3	0.0	IE2	302	220	375	45	400	50	2	259.8
S41 0260 4T	1.3	0.6	1.1	0.6	0.3	0.9	0.5	0.3	0.0	IE2	381	250	445	40	400	50	2	308.3
S51 0313 4T	1.3	0.6	1.1	0.6	0.4	1.0	0.5	0.3	0.0	IE2	381	280	480	50	400	50	2	332.6
S51 0367 4T	1.3	0.6	1.1	0.6	0.4	0.9	0.5	0.3	0.0	IE2	429	315	550	50	400	50	2	381.1
S51 0402 4T	1.3	0.6	1.1	0.6	0.4	1.0	0.5	0.3	0.0	IE2	483	400	680	40	400	50	2	471.1
S60 0457 4T	1.5	0.9	1.3	0.8	0.6	1.2	0.7	0.6	0.1	IE2	604	400	720	45	400	50	2	498.8
S60 0524 4T	1.5	0.9	1.3	0.8	0.6	1.2	0.7	0.6	0.1	IE2	604	450	800	40	400	50	2	554.3
S60P 0598P 4T	1.1	0.6	1.0	0.6	0.4	0.9	0.5	0.4	0.1	IE2	677	500	900	50	400	50	2	623.5
S65 0598 4T	1.8	1.0	1.6	0.9	0.7	1.4	0.8	0.7	0.2	IE2	677	500	900	50	400	50	2	623.5
S65 0748 4T	1.8	1.0	1.5	0.9	0.7	1.4	0.8	0.7	0.1	IE2	761	560	1000	45	400	50	2	692.8
S65 0831 4T	1.8	1.0	1.5	0.9	0.6	1.4	0.8	0.6	0.1	IE2	858	710	1200	40	400	50	2	831.4
S75 0964 4T	1.7	1.0	1.4	0.9	0.6	1.3	0.8	0.6	0.2	IE2	1088	900	1480	50	400	50	2	1025.4
S75 1130 4T	1.6	0.9	1.4	0.8	0.6	1.3	0.7	0.6	0.2	IE2	1209	1000	1700	45	400	50	2	1177.8
2xS41 0523 4T	1.5	0.7	1.2	0.7	0.3	1.0	0.6	0.3	0.0	IE2	604	450	800	40	400	50	2	554.3
2xS51 0599 4T	1.4	0.6	1.2	0.6	0.4	1.0	0.5	0.3	0.0	IE2	677	500	900	50	400	50	2	623.5
2xS51 0749 4T	1.4	0.6	1.2	0.6	0.4	1.0	0.5	0.3	0.0	IE2	677	500	1000	50	400	50	2	692.8
2xS51 0832 4T	1.5	0.7	1.3	0.7	0.4	1.1	0.5	0.3	0.0	IE2	761	560	1200	40	400	50	2	831.4
3xS51 0850 4T	1.4	0.6	1.2	0.6	0.4	1.0	0.5	0.3	0.0	IE2	858	710	1340	50	400	50	2	928.4
3xS51 0965 4T	1.4	0.6	1.2	0.6	0.4	1.0	0.5	0.3	0.0	IE2	1088	900	1480	50	400	50	2	1025.4
3xS51 1129 4T	1.6	0.7	1.4	0.7	0.5	1.1	0.6	0.3	0.0	IE2	1209	1000	1700	40	400	50	2	1177.8

Operating point (f; I)   f = relative motor stator frequency; I = relative torque-producing current

Power losses   Power losses at operating points (f; I) and in standby mode relate to the rated apparent output power.

Product's model identifier	Power losses									Efficiency level	Apparent output power - IEC 61800-9-2 Sr,equ	Indicative motor rated power output	Rated output current	Maximum operating temperature	Rated supply voltage	Rated supply frequency	Switching frequency	Rated apparent output power
	f, I (90%, 100%) [%]	f, I (100%, 50%) [%]	f, I (50%, 100%) [%]	f, I (50%, 50%) [%]	f, I (50%, 25%) [%]	f, I (0%, 100%) [%]	f, I (0%, 50%) [%]	f, I (0%, 25%) [%]	Standby losses [%]		kVA	kW	A	°C	V	Hz	kHz	kVA
S64 0598 4C	1.2	0.7	1.0	0.6	0.5	1.0	0.5	0.5	0.1	IE2	677	500	900	50	400	50	2	623.5
S64 0748 4C	1.2	0.7	1.0	0.6	0.4	0.9	0.5	0.4	0.1	IE2	761	560	1000	45	400	50	2	692.8
S64 0831 4C	1.2	0.7	1.0	0.6	0.4	0.9	0.5	0.4	0.1	IE2	858	710	1200	40	400	50	2	831.4
S74 0964 4C	1.3	0.8	1.1	0.7	0.5	1.0	0.6	0.5	0.1	IE2	1088	900	1480	50	400	50	2	1025.4
S74 1130 4C	1.2	0.7	1.1	0.6	0.5	1.0	0.5	0.5	0.1	IE2	1209	1000	1700	45	400	50	2	1177.8

Operating point (f; I) f = relative motor stator frequency; I = relative torque-producing current

Power losses Power losses at operating points (f; I) and in standby mode relate to the rated apparent output power.

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	f, I (90%, 100%) [%]	f, I (100%, 50%) [%]	f, I (50%, 100%) [%]	f, I (50%, 50%) [%]	f, I (50%, 25%) [%]	f, I (0%, 100%) [%]	f, I (0%, 50%) [%]	f, I (0%, 25%) [%]	Standby losses [%]		Sr,equ kVA	kW	A	°C	V	Hz	kHz	kVA
S12 0003 5T	2.3	1.4	2.0	1.4	1.0	1.8	1.3	1.0	0.6	IE2	7.94	4	7	50	575	50	3	7.0
S12 0004 5T	2.0	1.2	1.8	1.2	0.8	1.5	1.1	0.8	0.5	IE2	9.95	5.5	9	50	575	50	3	9.0
S12 0006 5T	1.9	1.1	1.7	1.1	0.7	1.4	1.0	0.7	0.4	IE2	14.4	7.5	11	50	575	50	3	11.0
S12 0012 5T	1.8	1.0	1.6	1.0	0.7	1.3	0.9	0.7	0.3	IE2	14.4	9.2	13	50	575	50	3	12.9
S12 0018 5T	1.6	0.9	1.4	0.9	0.6	1.2	0.8	0.6	0.3	IE2	19.5	11	17	40	575	50	3	16.9
S14 0019 5T	1.5	0.8	1.3	0.8	0.5	1.1	0.7	0.5	0.2	IE2	23.9	15	21	50	575	50	3	20.9
S14 0021 5T	1.5	0.8	1.3	0.8	0.5	1.1	0.7	0.5	0.2	IE2	28.3	18.5	25	50	575	50	3	24.9
S14 0022 5T	1.4	0.7	1.2	0.7	0.4	1.0	0.6	0.4	0.1	IE2	38.2	22	33	50	575	50	3	32.9
S14 0024 5T	1.4	0.7	1.2	0.7	0.4	1.0	0.6	0.4	0.1	IE2	47.0	30	40	50	575	50	3	39.8
S14 0032 5T	1.3	0.6	1.1	0.6	0.4	0.9	0.6	0.4	0.1	IE2	56.9	37	52	40	575	50	3	51.8
S22 0042 5T	1.3	0.6	1.1	0.6	0.3	0.9	0.5	0.3	0.1	IE2	68.4	45	60	50	575	50	3	59.8
S22 0051 5T	1.2	0.6	1.0	0.6	0.3	0.8	0.5	0.3	0.1	IE2	92.8	55	80	45	575	50	3	79.7
S22 0062 5T	1.2	0.6	1.0	0.6	0.3	0.8	0.5	0.3	0.1	IE2	92.8	65	85	45	575	50	3	84.7
S22 0069 5T	1.1	0.6	1.0	0.6	0.3	0.8	0.5	0.3	0.0	IE2	111	75	105	40	575	50	3	104.6
S32 0076 5T	1.1	0.5	1.0	0.5	0.3	0.8	0.5	0.3	0.0	IE2	135	90	125	50	575	50	2	124.5
S32 0088 5T	1.1	0.5	1.0	0.5	0.3	0.8	0.5	0.3	0.0	IE2	162	110	150	50	575	50	2	149.4
S32 0131 5T	1.1	0.5	0.9	0.5	0.3	0.8	0.4	0.3	0.0	IE2	196	132	190	45	575	50	2	189.2
S32 0164 5T	1.1	0.5	0.9	0.5	0.3	0.8	0.4	0.3	0.0	IE2	245	160	230	40	575	50	2	229.1
S42 0181 5T	1.1	0.5	1.0	0.5	0.3	0.8	0.5	0.3	0.0	IE2	381	220	305	50	575	50	2	303.8
S42 0201 5T	1.2	0.6	1.0	0.6	0.3	0.8	0.5	0.3	0.0	IE2	381	250	330	40	575	50	2	328.7
S42 0218 5T	1.3	0.6	1.1	0.6	0.3	0.9	0.5	0.3	0.0	IE2	381	300	360	45	575	50	2	358.5
S42 0259 5T	1.2	0.6	1.1	0.6	0.3	0.9	0.5	0.3	0.0	IE2	429	330	400	40	575	50	2	398.4
S52 0290 5T	1.3	0.6	1.1	0.6	0.4	1.0	0.5	0.3	0.0	IE2	483	355	450	50	575	50	2	448.2
S52 0314 5T	1.3	0.6	1.1	0.6	0.4	0.9	0.5	0.3	0.0	IE2	604	400	500	50	575	50	2	498.0
S52 0368 5T	1.3	0.5	1.1	0.5	0.4	0.9	0.5	0.3	0.0	IE2	604	450	560	45	575	50	2	557.7
S52 0401 5T	1.2	0.5	1.0	0.5	0.4	0.9	0.4	0.3	0.0	IE2	677	560	640	40	575	50	2	637.4
S65 0457 5T	1.3	0.8	1.1	0.7	0.5	1.0	0.6	0.5	0.1	IE2	761	630	720	50	575	50	2	717.1
S65 0524 5T	1.2	0.7	1.1	0.6	0.5	1.0	0.5	0.5	0.1	IE2	858	710	800	50	575	50	2	796.7
S65 0598 5T	1.3	0.7	1.1	0.6	0.5	1.0	0.6	0.5	0.1	IE2	967	800	900	50	575	50	2	896.3
S65 0748 5T	1.3	0.7	1.1	0.6	0.5	1.0	0.5	0.5	0.1	IE2	1088	900	1000	45	575	50	2	995.9
S70 0831 5T	1.2	0.7	1.1	0.6	0.5	1.0	0.5	0.5	0.1	IE2	1209	1000	1200	40	575	50	2	1195.1
2xS42 0459 5T	1.4	0.6	1.2	0.6	0.3	1.0	0.5	0.3	0.0	IE2	761	630	720	40	575	50	2	717.1
2xS52 0526 5T	1.5	0.6	1.3	0.6	0.4	1.1	0.5	0.3	0.0	IE2	858	710	800	50	575	50	2	796.7
2xS52 0600 5T	1.4	0.6	1.2	0.6	0.4	1.0	0.5	0.3	0.0	IE2	967	800	900	50	575	50	2	896.3
2xS52 0750 5T	1.4	0.6	1.2	0.6	0.4	1.0	0.5	0.3	0.0	IE2	1088	900	1000	45	575	50	2	995.9
2xS52 0828 5T	1.3	0.6	1.1	0.6	0.4	0.9	0.5	0.3	0.0	IE2	1209	1000	1200	40	575	50	2	1195.1

Operating point (f; I)   f = relative motor stator frequency; I = relative torque-producing current

Power losses   Power losses at operating points (f; I) and in standby mode relate to the rated apparent output power.

Product's model identifier	Power losses									Efficiency level	Apparent output power - IEC 61800-9-2 Sr,equ	Indicative motor rated power output	Rated output current	Maximum operating temperature	Rated supply voltage	Rated supply frequency	Switching frequency	Rated apparent output power
	f, I (90%, 100%) [%]	f, I (100%, 50%) [%]	f, I (50%, 100%) [%]	f, I (50%, 50%) [%]	f, I (50%, 25%) [%]	f, I (0%, 100%) [%]	f, I (0%, 50%) [%]	f, I (0%, 25%) [%]	Standby losses [%]		kVA	kW	A	°C	V	Hz	kHz	kVA
S64 0457 5C	1.0	0.6	0.9	0.5	0.4	0.8	0.5	0.4	0.1	IE2	761	630	720	50	575	50	2	717.1
S64 0524 5C	1.0	0.6	0.8	0.5	0.4	0.8	0.4	0.4	0.1	IE2	858	710	800	50	575	50	2	796.7
S64 0598 5C	1.0	0.6	0.8	0.5	0.4	0.8	0.4	0.4	0.1	IE2	967	800	900	50	575	50	2	896.3
S64 0748 5C	1.0	0.6	0.8	0.5	0.4	0.8	0.4	0.4	0.1	IE2	1088	900	1000	45	575	50	2	995.9
S64 0831 5C	1.0	0.6	0.8	0.5	0.3	0.8	0.4	0.3	0.1	IE2	1209	1000	1200	40	575	50	2	1195.1

Operating point (f; I)   f = relative motor stator frequency; I = relative torque-producing current
Power losses   Power losses at operating points (f; I) and in standby mode relate to the rated apparent output power.

Product's model identifier	Power losses									Efficiency level	Apparent output power - IEC 61800-9-2	Indicative motor rated power output	Rated output current	Maximum operating temperature	Rated supply voltage	Rated supply frequency	Switching frequency	Rated apparent output power
	f, I (90%, 100%)	f, I (100%, 50%)	f, I (50%, 100%)	f, I (50%, 50%)	f, I (50%, 25%)	f, I (0%, 100%)	f, I (0%, 50%)	f, I (0%, 25%)	Standby losses		Sr,equ							
	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[%]		kVA	kW	A	°C	V	Hz	kHz	kVA
S14 0003 6T	2.0	1.2	1.8	1.2	0.9	1.6	1.1	0.9	0.5	IE2	9.95	5.5	7	50	690	50	3	8.4
S14 0004 6T	1.8	1.0	1.6	1.0	0.7	1.4	0.9	0.7	0.4	IE2	14.4	7.5	9	50	690	50	3	10.8
S14 0006 6T	1.6	0.9	1.4	0.9	0.6	1.2	0.8	0.6	0.3	IE2	14.4	9.2	11	50	690	50	3	13.1
S14 0012 6T	1.5	0.9	1.4	0.9	0.6	1.2	0.8	0.6	0.3	IE2	19.5	11	13	50	690	50	3	15.5
S14 0018 6T	1.4	0.8	1.2	0.8	0.5	1.0	0.7	0.5	0.2	IE2	23.9	15	17	50	690	50	3	20.3
S14 0019 6T	1.3	0.7	1.1	0.7	0.4	0.9	0.6	0.4	0.2	IE2	28.3	18.5	21	50	690	50	3	25.1
S14 0021 6T	1.2	0.7	1.1	0.7	0.4	0.9	0.6	0.4	0.1	IE2	38.2	22	25	50	690	50	3	29.9
S14 0022 6T	1.2	0.6	1.0	0.6	0.4	0.9	0.5	0.4	0.1	IE2	47.0	30	33	50	690	50	3	39.4
S14 0024 6T	1.2	0.6	1.0	0.6	0.3	0.8	0.5	0.3	0.1	IE2	56.9	37	40	50	690	50	3	47.8
S14 0032 6T	1.1	0.5	0.9	0.5	0.3	0.8	0.5	0.3	0.1	IE2	68.4	45	52	40	690	50	3	62.1
S22 0042 6T	1.0	0.5	0.9	0.5	0.3	0.7	0.4	0.3	0.1	IE2	92.8	55	60	50	690	50	3	71.7
S22 0051 6T	1.0	0.5	0.8	0.5	0.3	0.7	0.4	0.3	0.0	IE2	111	75	80	45	690	50	3	95.6
S22 0062 6T	1.0	0.5	0.8	0.5	0.3	0.7	0.4	0.3	0.0	IE2	111	75	85	45	690	50	3	101.6
S22 0069 6T	1.0	0.5	0.8	0.5	0.2	0.7	0.4	0.2	0.0	IE2	135	90	105	40	690	50	3	125.5
S32 0076 6T	0.9	0.4	0.8	0.4	0.2	0.7	0.4	0.2	0.0	IE2	162	110	125	50	690	50	2	149.4
S32 0088 6T	0.9	0.5	0.8	0.5	0.2	0.7	0.4	0.2	0.0	IE2	196	132	150	50	690	50	2	179.3
S32 0131 6T	0.9	0.4	0.8	0.4	0.2	0.6	0.4	0.2	0.0	IE2	245	160	190	50	690	50	2	227.1
S32 0164 6T	0.9	0.4	0.8	0.4	0.2	0.6	0.4	0.2	0.0	IE2	302	220	230	40	690	50	2	274.9
S42 0181 6T	0.9	0.4	0.8	0.4	0.2	0.7	0.4	0.2	0.0	IE2	381	250	305	50	690	50	2	364.5
S42 0201 6T	1.0	0.5	0.8	0.5	0.2	0.7	0.4	0.2	0.0	IE2	429	315	330	40	690	50	2	394.4
S42 0218 6T	1.1	0.5	0.9	0.5	0.3	0.7	0.4	0.3	0.0	IE2	483	355	360	45	690	50	2	430.2
S42 0259 6T	1.0	0.5	0.9	0.5	0.2	0.7	0.4	0.2	0.0	IE2	483	400	400	40	690	50	2	478.0
S52 0290 6T	1.1	0.5	1.0	0.5	0.3	0.8	0.4	0.2	0.0	IE2	604	450	450	50	690	50	2	537.8
S52 0314 6T	1.1	0.5	0.9	0.5	0.3	0.8	0.4	0.2	0.0	IE2	604	500	500	50	690	50	2	597.6
S52 0368 6T	1.0	0.5	0.9	0.5	0.3	0.8	0.4	0.2	0.0	IE2	677	560	560	45	690	50	2	669.3
S52 0401 6T	1.0	0.4	0.9	0.4	0.3	0.7	0.4	0.2	0.0	IE2	858	630	640	40	690	50	2	764.9
S65 0457 6T	1.1	0.6	0.9	0.6	0.4	0.8	0.5	0.4	0.1	IE2	967	710	720	50	690	50	2	860.5
S65 0524 6T	1.0	0.6	0.9	0.5	0.4	0.8	0.5	0.4	0.1	IE2	967	800	800	50	690	50	2	956.1
S65 0598 6T	1.0	0.6	0.9	0.5	0.4	0.8	0.5	0.4	0.1	IE2	1088	900	900	50	690	50	2	1075.6
S65 0748 6T	1.0	0.6	0.9	0.5	0.4	0.8	0.5	0.4	0.1	IE2	1209	1000	1000	45	690	50	2	1195.1
2xS42 0459 6T	1.2	0.5	1.0	0.5	0.3	0.8	0.4	0.3	0.0	IE2	967	710	720	40	690	50	2	860.5
2xS52 0526 6T	1.2	0.5	1.1	0.5	0.4	0.9	0.4	0.3	0.0	IE2	967	800	800	50	690	50	2	956.1
2xS52 0600 6T	1.2	0.5	1.0	0.5	0.3	0.9	0.4	0.3	0.0	IE2	1088	900	900	50	690	50	2	1075.6
2xS52 0750 6T	1.2	0.5	1.0	0.5	0.3	0.8	0.4	0.3	0.0	IE2	1209	1000	1000	45	690	50	2	1195.1

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Power losses   Power losses at operating points (f; I) and in standby mode relate to the rated apparent output power.

Product's model identifier	Power losses									Efficiency level	Apparent output power - IEC 61800-9-2 Sr,equ	Indicative motor rated power output	Rated output current	Maximum operating temperature	Rated supply voltage	Rated supply frequency	Switching frequency	Rated apparent output power
	f, I (90%, 100%) [%]	f, I (100%, 50%) [%]	f, I (50%, 100%) [%]	f, I (50%, 50%) [%]	f, I (50%, 25%) [%]	f, I (0%, 100%) [%]	f, I (0%, 50%) [%]	f, I (0%, 25%) [%]	Standby losses [%]		kVA	kW	A	°C	V	Hz	kHz	kVA
S64 0457 6C	0.8	0.5	0.7	0.4	0.3	0.7	0.4	0.3	0.1	IE2	967	710	720	50	690	50	2	860.5
S64 0524 6C	0.8	0.5	0.7	0.4	0.3	0.6	0.4	0.3	0.1	IE2	967	800	800	50	690	50	2	956.1
S64 0598 6C	0.8	0.5	0.7	0.4	0.3	0.6	0.4	0.3	0.1	IE2	1088	900	900	50	690	50	2	1075.6
S64 0748 6C	0.8	0.5	0.7	0.4	0.3	0.6	0.4	0.3	0.1	IE2	1209	1000	1000	45	690	50	2	1195.1

Operating point (f; I)   f = relative motor stator frequency; I = relative torque-producing current

Power losses   Power losses at operating points (f; I) and in standby mode relate to the rated apparent output power.