



Addendum to the Operating Instructions



MOVITRAC® B

Information about the EU Ecodesign Regulation 2019/1781 and the UK Ecodesign Regulations (S.I. 2010 No. 2617 and S.I. 2021 No. 745)



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1 Content of this document

This document contains a list of points stipulated by the EU Ecodesign Regulation 2019/1781 and by the UK Ecodesign Regulations (S.I. 2010 No. 2617 and S.I. 2021 No. 745) for the inverter series.

These points are:

(1)	Power loss in % of the apparent output power S_N Standby losses (W, %)
(2)	Efficiency level according to IEC 61800-9-2
(3)	Manufacturer's name or trademark, commercial registration number, and address
(4)	Model identifier of the product
(5)	Apparent output power or range of apparent output power (kVA)
(6)	Indicative motor rated output power P_N (kW)
(7)	Nominal output current (A)
(8)	Maximum operating temperature (°C)
(9)	Rated supply frequency (Hz)
(10)	Nominal input voltage or range of nominal input voltage (V)

Point 1 first lists the power losses in percent of the rated apparent output power at the 8 operating points specified by the regulation, and second, standby losses for each device.

The operating points are indicated in the regulation with 2 numbers separated by a semicolon, such as "0;50". The first number is the relative motor stator frequency, the second number indicates the relative torque-producing current.

1.1 Year of manufacture

The year of manufacture is part of the serial number which is indicated on the system nameplate.

01.	1234567890	0001.	21
Sales Organization	Order number (10-digit)	Sequence number of the quantity (4-digit)	Final digits of the year of manufacture (2-digit)

For the case shown, the year of manufacture is 2021.

2 Inverter data according to regulation 2019/1781

2.1 Connection voltage 380 V – 500 V

2.1.1 MC07B-0003 – 0004-5A3-4-00

Model identifier	MOVITRAC® B		
Type	MC07B-0003 – 0004-5A3-4-00		
Performance class		0003	0004
(1) Power loss in % of the apparent output power	0;25	4.40	3.06
	0;50	4.42	3.08
	0;100	4.64	3.31
	50;25	4.45	3.11
	50;50	4.50	3.17
	50;100	4.79	3.46
	90;50	4.57	3.24
	90;100	4.92	3.59
(1) Power loss in standby	W	6.9	6.9
	%	1.0	0.6
(2) Efficiency level according to IEC 61800-9-2	IE2		
(3) Manufacturer	SEW-EURODRIVE GmbH & Co KG RG Mannheim, HRB 230207 D-76646 Bruchsal		
(5) Apparent output power	kVA	0.69	1.11
(6) Indicative motor rated power output	kW	0.25	0.37
(7) Rated output current	A	1.00	1.60
(8) Maximum operating temperature	°C	60	
(9) Rated supply frequency	Hz	50/60 ± 5 %	
(10) Range of rated supply voltage	V	3 × 380 – 500	

2.1.2 MC07B-0005 – 0015-5A3-4-.0

Model identifier	MOVITRAC® B				
Type	MC07B-0005 – 0015-5A3-4-.0				
Performance class		0005	0007	0011	0015
(1) Power loss in % of the apparent output power	0;25	2.38	2.08	1.75	1.63
	0;50	2.53	2.23	1.90	1.79
	0;100	2.87	2.59	2.27	2.17
	50;25	2.42	2.13	1.80	1.68
	50;50	2.61	2.32	1.99	1.88
	50;100	3.04	2.75	2.44	2.35
	90;50	2.68	2.39	2.07	1.96
	90;100	3.19	2.91	2.60	2.52
(1) Power loss in standby	W	6.9	6.9	6.9	6.9
	%	0.5	0.4	0.3	0.3
(2) Efficiency level according to IEC 61800-9-2	IE2				
(3) Manufacturer	SEW-EURODRIVE GmbH & Co KG RG Mannheim, HRB 230207 D-76646 Bruchsal				
(5) Apparent output power	kVA	1.39	1.66	2.15	2.77
(6) Indicative motor rated power output	kW	0.55	0.75	1.10	1.50
(7) Rated output current	A	2.00	2.40	3.10	4.00
(8) Maximum operating temperature	°C	60			
(9) Rated supply frequency	Hz	50/60 ± 5 %			
(10) Range of rated supply voltage	V	3 × 380 – 500			

2.1.3 MC07B-0022 – 0040-5A3-4-.0

Model identifier	MOVITRAC® B			
Type	MC07B-0022 – 0040-5A3-4-.0			
Performance class		0022	0030	0040
(1) Power loss in % of the apparent output power	0;25	1.28	1.21	1.22
	0;50	1.51	1.45	1.46
	0;100	2.05	2.00	2.04
	50;25	1.32	1.25	1.26
	50;50	1.59	1.53	1.54
	50;100	2.20	2.16	2.21
	90;50	1.66	1.60	1.62
	90;100	2.35	2.32	2.39
(1) Power loss in standby	W	7.8	7.8	7.8
	%	0.2	0.2	0.1
(2) Efficiency level according to IEC 61800-9-2	IE2			
(3) Manufacturer	SEW-EURODRIVE GmbH & Co KG RG Mannheim, HRB 230207 D-76646 Bruchsal			
(5) Apparent output power	kVA	3.81	4.85	6.58
(6) Indicative motor rated power output	kW	2.20	3.00	4.00
(7) Rated output current	A	5.50	7.00	9.50
(8) Maximum operating temperature	°C	60		
(9) Rated supply frequency	Hz	50/60 ± 5 %		
(10) Range of rated supply voltage	V	3 × 380 – 500		

2.1.4 MC07B-0055 – 0075-5A3-4-00

Model identifier	MOVITRAC® B		
Type	MC07B-0055 – 0075-5A3-4-00		
Performance class		0055	0075
(1) Power loss in % of the apparent output power	0;25	1.14	0.99
	0;50	1.30	1.16
	0;100	1.79	1.68
	50;25	1.17	1.02
	50;50	1.36	1.22
	50;100	1.94	1.84
	90;50	1.43	1.29
	90;100	2.09	2.01
(1) Power loss in standby	W	17.0	17.0
	%	0.2	0.2
(2) Efficiency level according to IEC 61800-9-2	IE2		
(3) Manufacturer	SEW-EURODRIVE GmbH & Co KG RG Mannheim, HRB 230207 D-76646 Bruchsal		
(5) Apparent output power	kVA	8.66	11.09
(6) Indicative motor rated power output	kW	5.50	7.50
(7) Rated output current	A	12.50	16.00
(8) Maximum operating temperature	°C	60	
(9) Rated supply frequency	Hz	50/60 ± 5 %	
(10) Range of rated supply voltage	V	3 × 380 – 500	

2.1.5 MC07B-0110-5A3-4-00

Model identifier	MOVITRAC® B	
Type	MC07B-0110-5A3-4-00	
Performance class		0110
(1) Power loss in % of the apparent output power	0;25	0.83
	0;50	1.00
	0;100	1.52
	50;25	0.87
	50;50	1.07
	50;100	1.69
	90;50	1.14
	90;100	1.88
(1) Power loss in standby	W	17.0
	%	0.1
(2) Efficiency level according to IEC 61800-9-2	IE2	
(3) Manufacturer	SEW-EURODRIVE GmbH & Co KG RG Mannheim, HRB 230207 D-76646 Bruchsal	
(5) Apparent output power	kVA	16.63
(6) Indicative motor rated power output	kW	11.00
(7) Rated output current	A	24.00
(8) Maximum operating temperature	°C	60
(9) Rated supply frequency	Hz	50/60 ± 5 %
(10) Range of rated supply voltage	V	3 × 380 – 500

2.1.6 MC07B-0150 – 0300-5A3-4-00

Model identifier	MOVITRAC® B			
Type	MC07B-0150 – 0300-5A3-4-00			
Performance class		0150	0220	0300
(1) Power loss in % of the apparent output power	0;25	0.80	0.70	0.65
	0;50	0.97	0.88	0.84
	0;100	1.46	1.41	1.41
	50;25	0.83	0.73	0.69
	50;50	1.03	0.94	0.90
	50;100	1.60	1.56	1.56
	90;50	1.09	1.00	0.97
	90;100	1.73	1.70	1.71
(1) Power loss in standby	W	18.5	18.5	18.5
	%	0.1	0.1	0.0
(2) Efficiency level according to IEC 61800-9-2	IE2			
(3) Manufacturer	SEW-EURODRIVE GmbH & Co KG RG Mannheim, HRB 230207 D-76646 Bruchsal			
(5) Apparent output power	kVA	22.17	31.87	41.57
(6) Indicative motor rated power output	kW	15.00	22.00	30.00
(7) Rated output current	A	32.00	46.00	60.00
(8) Maximum operating temperature	°C	60		
(9) Rated supply frequency	Hz	50/60 ± 5 %		
(10) Range of rated supply voltage	V	3 × 380 – 500		

2.1.7 MC07B-0370 – 0450-5A3-4-00

Model identifier	MOVITRAC® B		
Type	MC07B-0370 – 0450-5A3-4-00		
Performance class		0370	0450
(1) Power loss in % of the apparent output power	0;25	0.65	0.58
	0;50	0.82	0.77
	0;100	1.35	1.35
	50;25	0.68	0.62
	50;50	0.89	0.85
	50;100	1.51	1.52
	90;50	0.96	0.92
	90;100	1.67	1.70
(1) Power loss in standby	W	21.3	21.3
	%	0.0	0.0
(2) Efficiency level according to IEC 61800-9-2	IE2		
(3) Manufacturer	SEW-EURODRIVE GmbH & Co KG RG Mannheim, HRB 230207 D-76646 Bruchsal		
(5) Apparent output power	kVA	50.58	61.66
(6) Indicative motor rated power output	kW	37.00	45.00
(7) Rated output current	A	73.00	89.00
(8) Maximum operating temperature	°C	60	
(9) Rated supply frequency	Hz	50/60 ± 5 %	
(10) Range of rated supply voltage	V	3 × 380 – 500	

2.1.8 MC07B-0550 – 0750-5A3-4-00

Model identifier	MOVITRAC® B		
Type	MC07B-0550 – 0750-5A3-4-00		
Performance class		0550	0750
(1) Power loss in % of the apparent output power	0;25	0.54	0.52
	0;50	0.71	0.69
	0;100	1.22	1.23
	50;25	0.57	0.55
	50;50	0.78	0.76
	50;100	1.36	1.37
	90;50	0.84	0.82
	90;100	1.49	1.50
(1) Power loss in standby	W	20.7	20.7
	%	0.0	0.0
(2) Efficiency level according to IEC 61800-9-2	IE2		
(3) Manufacturer	SEW-EURODRIVE GmbH & Co KG RG Mannheim, HRB 230207 D-76646 Bruchsal		
(5) Apparent output power	kVA	72.75	90.07
(6) Indicative motor rated power output	kW	55.00	75.00
(7) Rated output current	A	105.00	130.00
(8) Maximum operating temperature	°C	60	
(9) Rated supply frequency	Hz	50/60 ± 5 %	
(10) Range of rated supply voltage	V	3 × 380 – 500	

2.2 Connection voltage 3 × 200 V – 240 V

2.2.1 MC07B-0003 – 0004-2A3-4-00

Model identifier	MOVITRAC® B		
Type	MC07B-0003 – 0004-2A3-4-00		
Performance class		0003	0004
(1) Power loss in % of the apparent output power	0;25	3.83	2.98
	0;50	3.86	3.02
	0;100	4.18	3.35
	50;25	3.92	3.08
	50;50	4.00	3.16
	50;100	4.44	3.62
	90;50	4.12	3.29
	90;100	4.66	3.87
(1) Power loss in standby	W	6.9	6.9
	%	1.0	0.7
(2) Efficiency level according to IEC 61800-9-2	IE2		
(3) Manufacturer	SEW-EURODRIVE GmbH & Co KG RG Mannheim, HRB 230207 D-76646 Bruchsal		
(5) Apparent output power	kVA	0.68	1.00
(6) Indicative motor rated power output	kW	0.25	0.37
(7) Rated output current	A	1.70	2.50
(8) Maximum operating temperature	°C	60	
(9) Rated supply frequency	Hz	50/60 ± 5 %	
(10) Range of rated supply voltage	V	3 × 200 – 240	

2.2.2 MC07B-0005 – 0008-2A3-4-.0

Model identifier	MOVITRAC® B		
Type	MC07B-0005 – 0008-2A3-4-00		
Performance class		0005	0008
(1) Power loss in % of the apparent output power	0;25	2.21	1.72
	0;50	2.42	2.01
	0;100	2.94	2.71
	50;25	2.28	1.80
	50;50	2.58	2.17
	50;100	3.24	3.03
	90;50	2.71	2.32
	90;100	3.53	3.34
(1) Power loss in standby	W	6.9	6.9
	%	0.5	0.4
(2) Efficiency level according to IEC 61800-9-2	IE2		
(3) Manufacturer	SEW-EURODRIVE GmbH & Co KG RG Mannheim, HRB 230207 D-76646 Bruchsal		
(5) Apparent output power	kVA	1.31	1.67
(6) Indicative motor rated power output	kW	0.55	0.75
(7) Rated output current	A	3.30	4.20
(8) Maximum operating temperature	°C	60	
(9) Rated supply frequency	Hz	50/60 ± 5 %	
(10) Range of rated supply voltage	V	3 × 200 – 240	

2.2.3 MC07B-0011 – 0022-2A3-4-00

Model identifier	MOVITRAC® B			
Type	MC07B-0011 – 0022-2A3-4-00			
Performance class		0011	0015	0022
(1) Power loss in % of the apparent output power	0;25	1.73	1.62	1.67
	0;50	2.02	1.92	1.98
	0;100	2.72	2.65	2.74
	50;25	1.79	1.69	1.74
	50;50	2.16	2.06	2.13
	50;100	2.99	2.93	3.02
	90;50	2.28	2.19	2.26
	90;100	3.25	3.22	3.32
(1) Power loss in standby	W	7.8	7.8	7.8
	%	0.3	0.3	0.2
(2) Efficiency level according to IEC 61800-9-2	IE2			
(3) Manufacturer	SEW-EURODRIVE GmbH & Co KG RG Mannheim, HRB 230207 D-76646 Bruchsal			
(5) Apparent output power	kVA	2.27	2.91	3.43
(6) Indicative motor rated power output	kW	1.10	1.50	2.20
(7) Rated output current	A	5.70	7.30	8.60
(8) Maximum operating temperature	°C	60		
(9) Rated supply frequency	Hz	50/60 ± 5 %		
(10) Range of rated supply voltage	V	3 × 200 – 240		

2.2.4 MC07B-0037-2A3-4-00

Model identifier	MOVITRAC® B	
Type	MC07B-0037-2A3-4-00	
Performance class		0037
(1) Power loss in % of the apparent output power	0;25	1.55
	0;50	1.83
	0;100	2.52
	50;25	1.57
	50;50	1.87
	50;100	2.62
	90;50	1.94
	90;100	2.81
(1) Power loss in standby	W	12.0
	%	0.2
(2) Efficiency level according to IEC 61800-9-2	IE2	
(3) Manufacturer	SEW-EURODRIVE GmbH & Co KG RG Mannheim, HRB 230207 D-76646 Bruchsal	
(5) Apparent output power	kVA	5.78
(6) Indicative motor rated power output	kW	3.70
(7) Rated output current	A	14.50
(8) Maximum operating temperature	°C	60
(9) Rated supply frequency	Hz	50/60 ± 5 %
(10) Range of rated supply voltage	V	3 × 200 – 240

2.2.5 MC07B-0055 – 0075-2A3-4-00

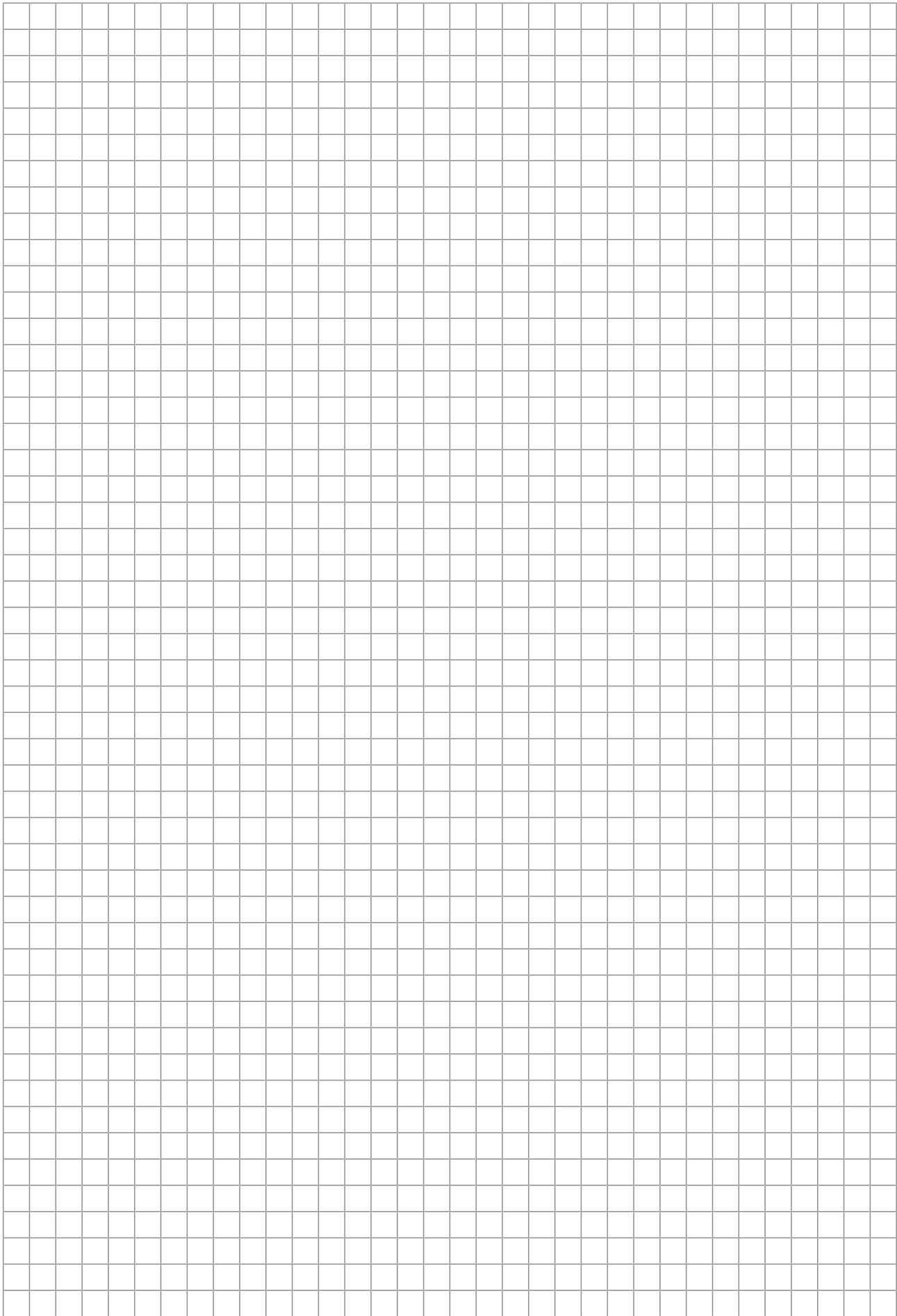
Model identifier	MOVITRAC® B		
Type	MC07B-0055 – 0075-2A3-4-00		
Performance class		0055	0075
(1) Power loss in % of the apparent output power	0;25	1.19	1.07
	0;50	1.44	1.33
	0;100	2.19	2.15
	50;25	1.25	1.13
	50;50	1.56	1.46
	50;100	2.48	2.46
	90;50	1.68	1.59
	90;100	2.78	2.81
(1) Power loss in standby	W	17.0	17.0
	%	0.2	0.2
(2) Efficiency level according to IEC 61800-9-2	IE2		
(3) Manufacturer	SEW-EURODRIVE GmbH & Co KG RG Mannheim, HRB 230207 D-76646 Bruchsal		
(5) Apparent output power	kVA	8.76	11.55
(6) Indicative motor rated power output	kW	5.50	7.50
(7) Rated output current	A	22.00	29.00
(8) Maximum operating temperature	°C	60	
(9) Rated supply frequency	Hz	50/60 ± 5 %	
(10) Range of rated supply voltage	V	3 × 200 – 240	

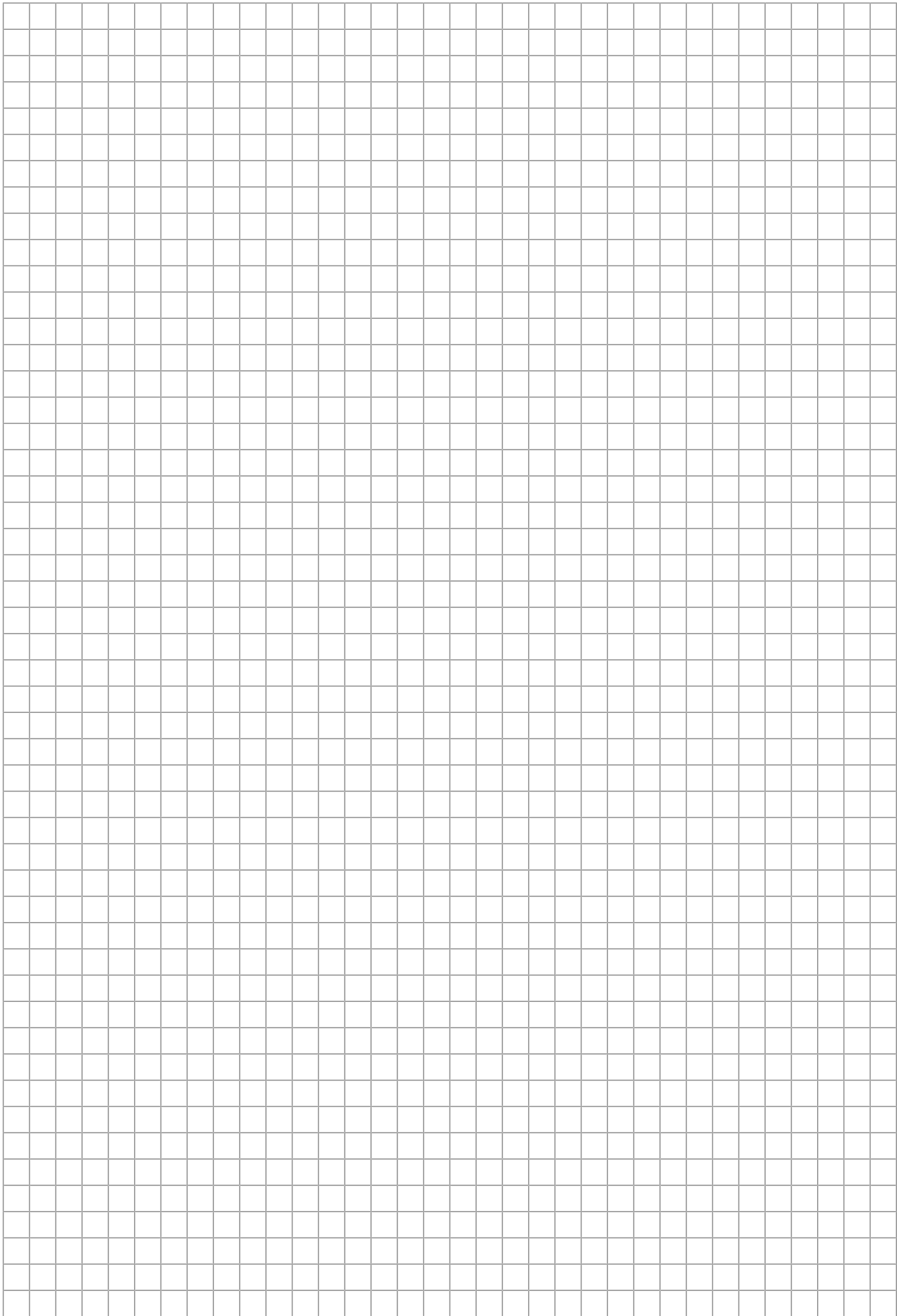
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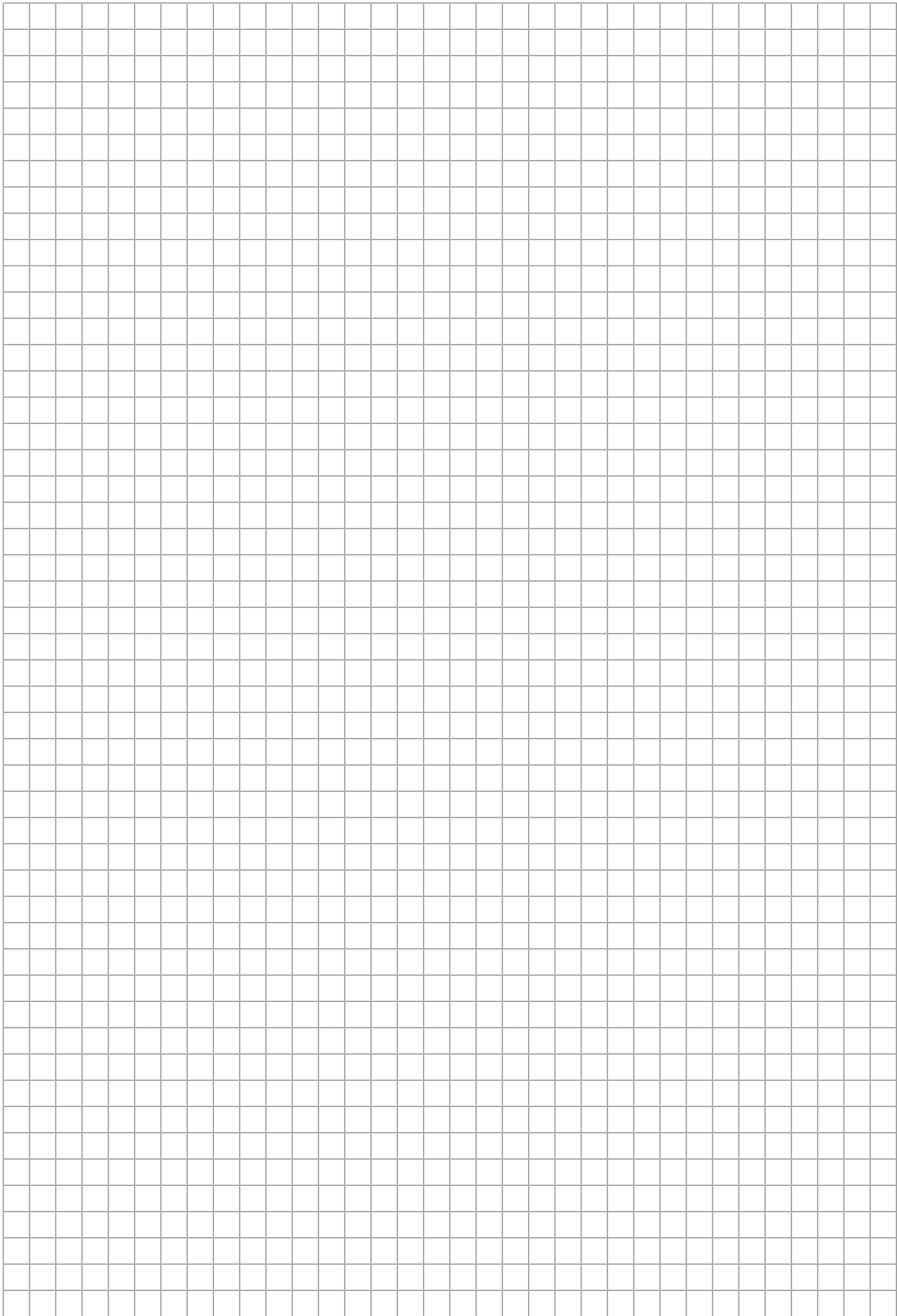
Model identifier	MOVITRAC® B		
Type	MC07B-0110 – 0150-2A3-4-00		
Performance class		0110	0150
(1) Power loss in % of the apparent output power	0;25	1.00	0.92
	0;50	1.24	1.18
	0;100	2.00	2.01
	50;25	1.05	0.98
	50;50	1.35	1.30
	50;100	2.25	2.26
	90;50	1.45	1.40
	90;100	2.47	2.51
(1) Power loss in standby	W	18.5	18.5
	%	0.1	0.1
(2) Efficiency level according to IEC 61800-9-2	IE2		
(3) Manufacturer	SEW-EURODRIVE GmbH & Co KG RG Mannheim, HRB 230207 D-76646 Bruchsal		
(5) Apparent output power	kVA	16.73	21.51
(6) Indicative motor rated power output	kW	11.00	15.00
(7) Rated output current	A	42.00	54.00
(8) Maximum operating temperature	°C	60	
(9) Rated supply frequency	Hz	50/60 ± 5 %	
(10) Range of rated supply voltage	V	3 × 200 – 240	

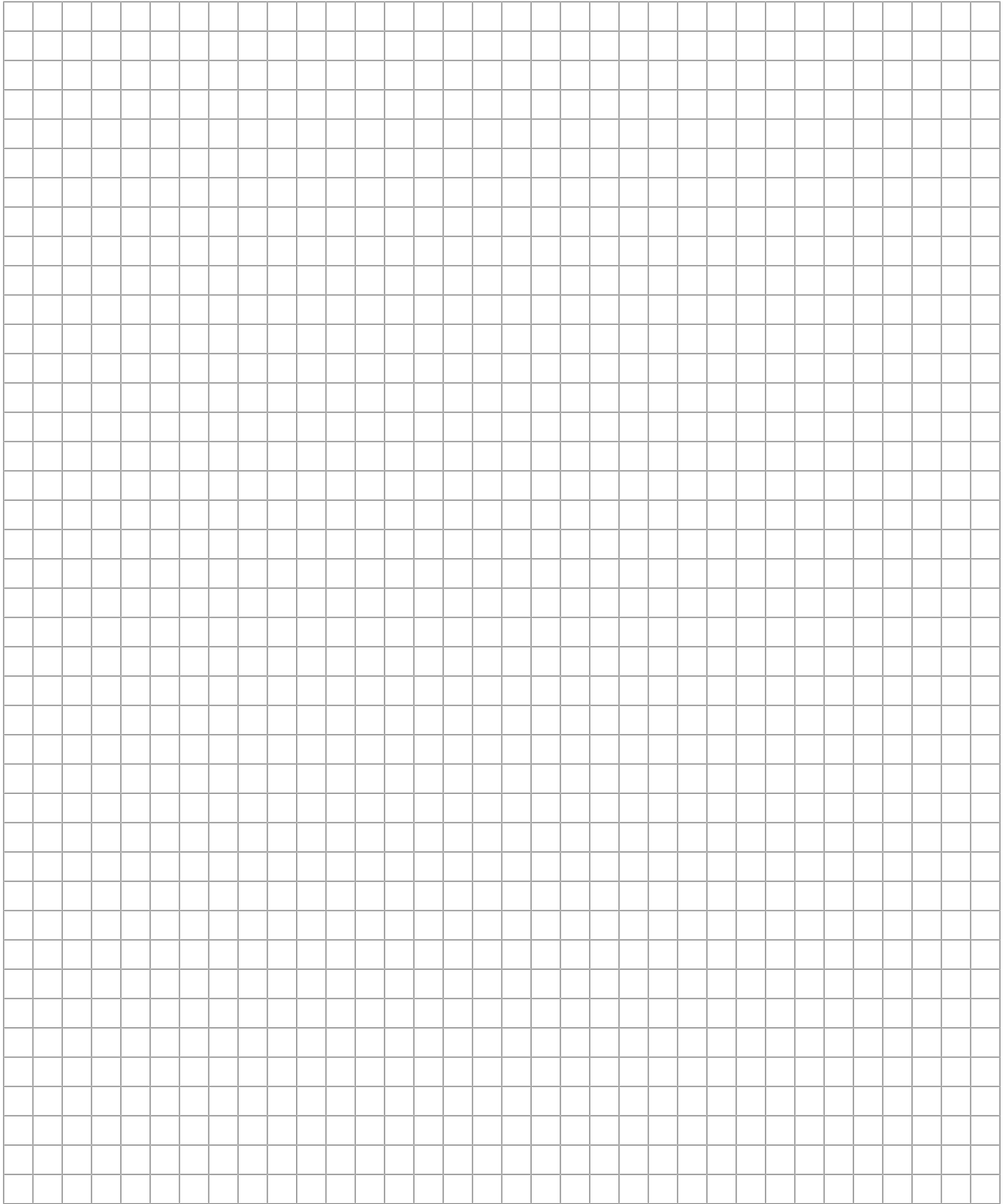
2.2.7 MC07B-0220 – 0300-2A3-4-00

Model identifier	MOVITRAC® B		
Type	MC07B-0220 – 0300-2A3-4-00		
Performance class		0220	0300
(1) Power loss in % of the apparent output power	0;25	0.91	0.88
	0;50	1.17	1.15
	0;100	1.98	2.00
	50;25	0.97	0.94
	50;50	1.29	1.28
	50;100	2.26	2.30
	90;50	1.41	1.40
	90;100	2.56	2.61
(1) Power loss in standby	W	21.3	21.3
	%	0.1	0.1
(2) Efficiency level according to IEC 61800-9-2	IE2		
(3) Manufacturer	SEW-EURODRIVE GmbH & Co KG RG Mannheim, HRB 230207 D-76646 Bruchsal		
(5) Apparent output power	kVA	31.87	37.85
(6) Indicative motor rated power output	kW	22.00	30.00
(7) Rated output current	A	80.00	95.00
(8) Maximum operating temperature	°C	60	
(9) Rated supply frequency	Hz	50/60 ± 5 %	
(10) Range of rated supply voltage	V	3 × 200 – 240	











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