



Addendum to the operating instructions



Inverters

MOVITRAC[®] classic

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 rated output power P_N (kW)
(7)	Nominal input 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.

Point 6 "Indicative rated output power P_N (kW)" corresponds to the motor power $ASM P_{Mot}$.

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.	25
Sales organization	Order number (10-digit)	Sequence number of the quantity (4-digit)	Final digits of the year of manufacture (2-digit)

In this case, the year of manufacture is 2025.

2 Inverter data according to regulation 2019/1781

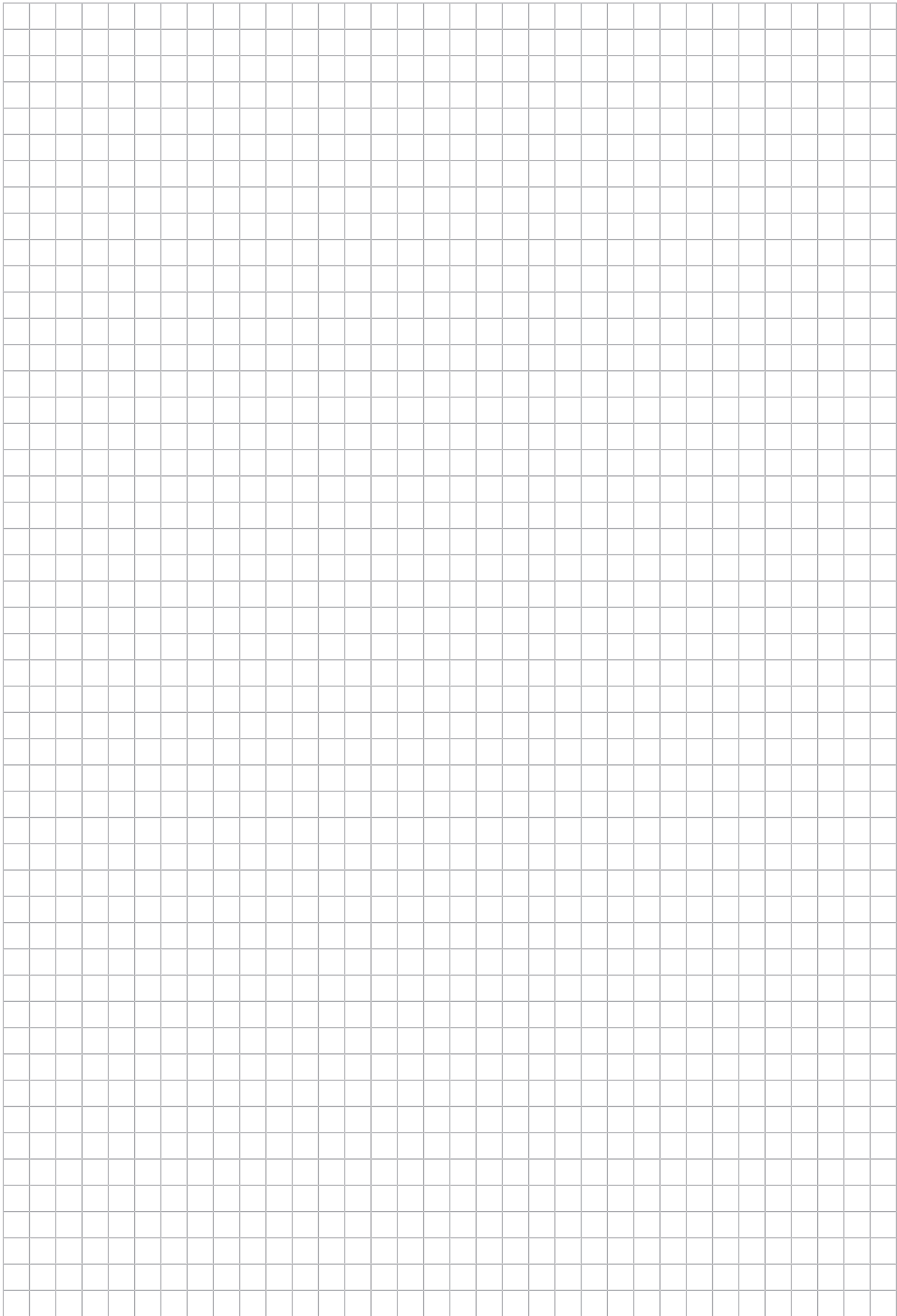
2.1 Connection voltage 3 × AC 200 – 500 V

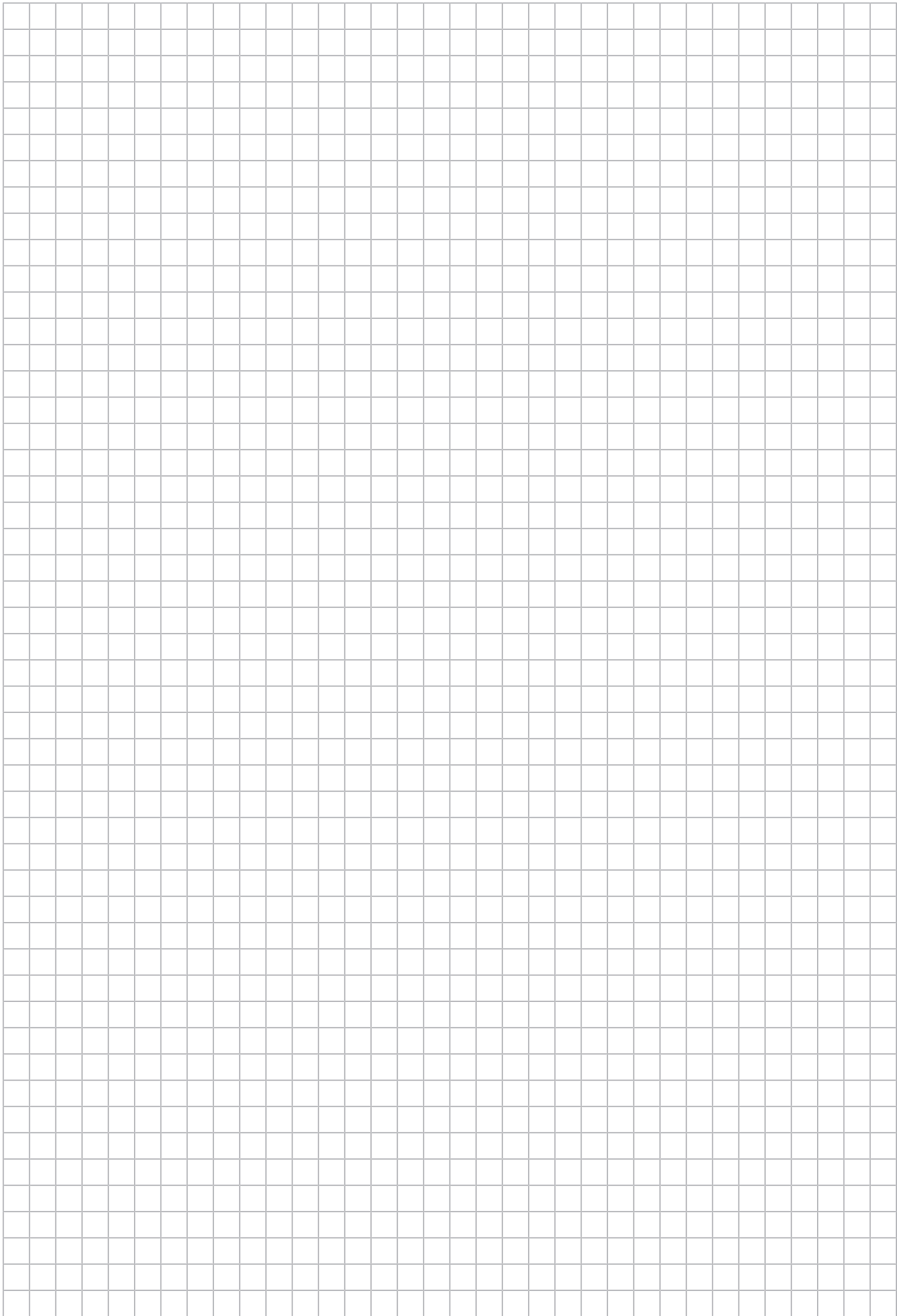
2.1.1 MCC91A-....-5E3-4..

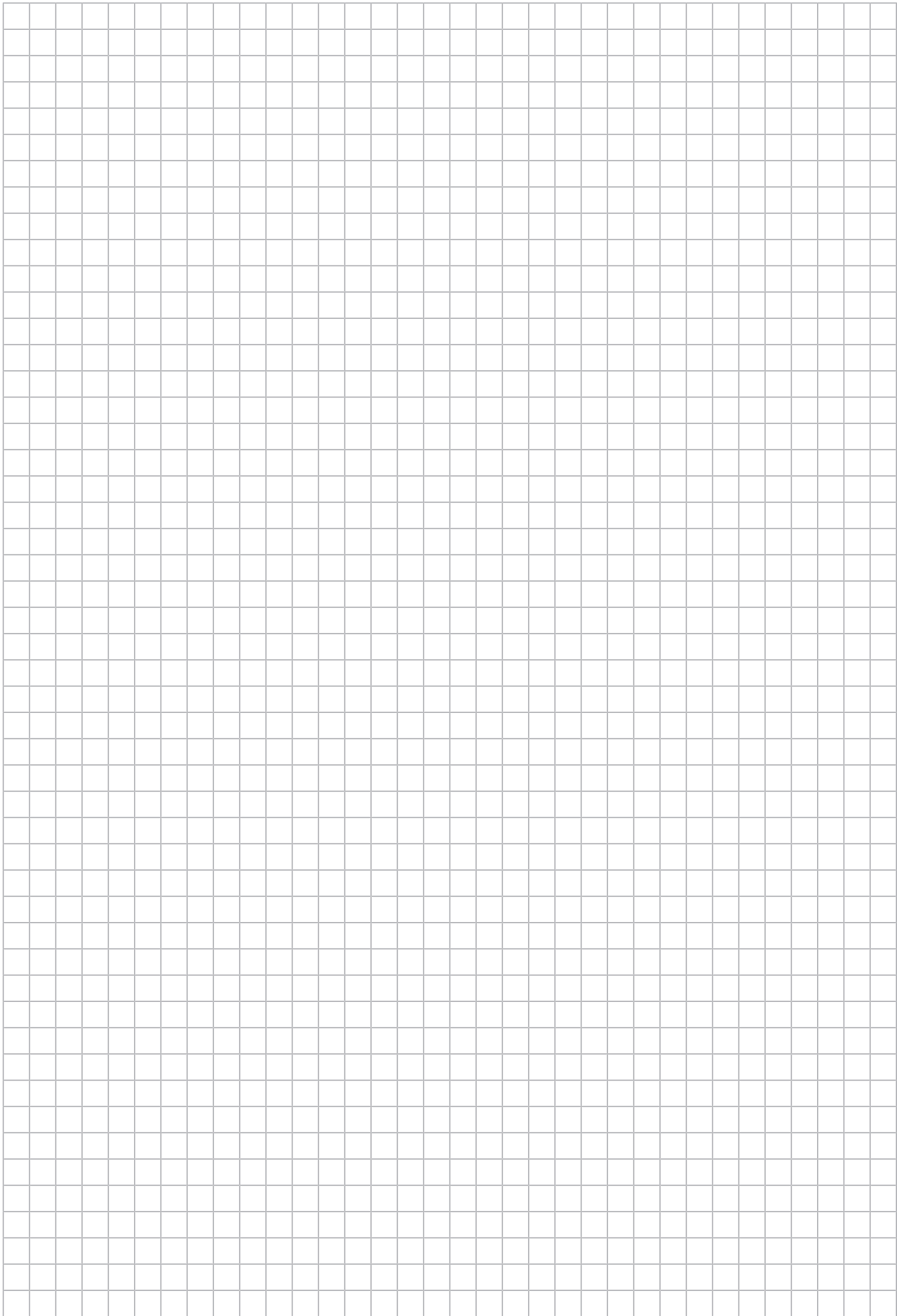
Model identifier	MOVITRAC® classic							
Type	MCX91A-0010 – 0055-5E3-4..							
Performance class		0010	0016	0020	0025	0032	0040	0055
(1) Power loss in % of the apparent output power	0;25	3.32	2.30	1.78	1.53	1.32	1.21	1.00
	0;50	3.34	2.32	1.91	1.67	1.46	1.36	1.21
	0;100	3.53	2.53	2.23	2.00	1.81	1.73	1.72
	50;25	3.36	2.35	1.82	1.57	1.36	1.25	1.03
	50;50	3.41	2.39	1.98	1.74	1.54	1.44	1.28
	50;100	3.66	2.66	2.37	2.14	1.96	1.88	1.88
	90;50	3.47	2.46	2.05	1.81	1.61	1.51	1.36
	90;100	3.78	2.79	2.51	2.29	2.11	2.04	2.06
(1) Power loss in standby	W	8.6	8.6	8.6	8.6	8.6	8.6	8.6
	%	1.2	0.8	0.6	0.5	0.4	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	0.69	1.11	1.39	1.73	2.22	2.77	3.81
(6) Indicative motor rated power output	kW	0.25	0.37	0.55	0.75	1.10	1.50	2.20
(7) Rated output current	A	1.00	1.60	2.00	2.50	3.20	4.00	5.50
(8) Maximum operating temperature	°C	55						
(9) Rated supply frequency	Hz	50 – 60 ± 5 %						
(10) Range of rated supply voltage	V	3 × 380 – 500						

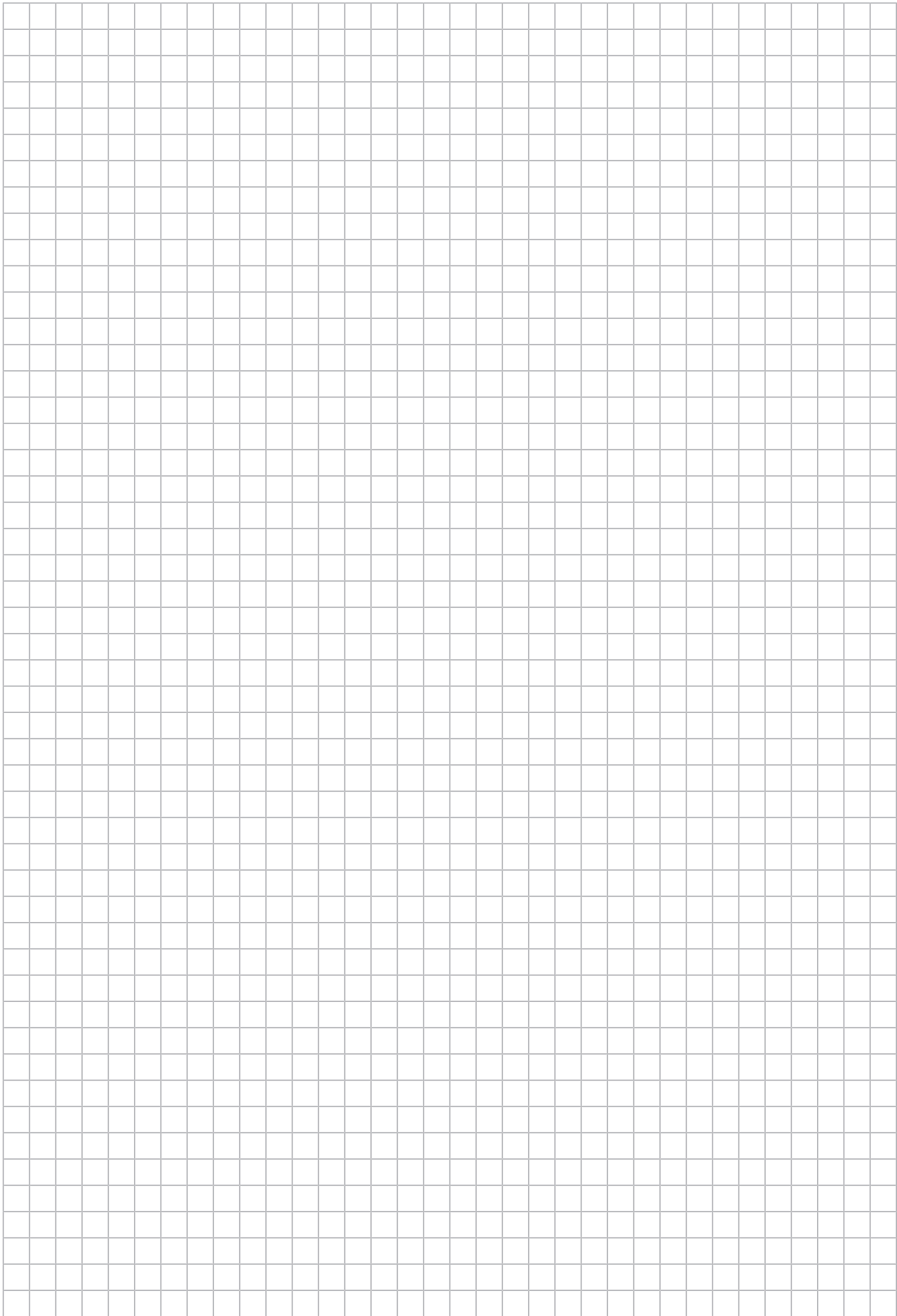
2.1.2 MCC91A-....-5.3-4..

Model identifier	MOVITRAC® classic					
Type	MCX91A-0070 – 0240-5E3-4..					
Performance class		0070	0095	0125	0160	240
(1) Power loss in % of the apparent output power	0;25	1.06	1.01	0.92	0.81	0.70
	0;50	1.26	1.23	1.11	0.98	0.89
	0;100	1.75	1.75	1.71	1.50	1.48
	50;25	1.09	1.05	0.95	0.84	0.74
	50;50	1.33	1.30	1.18	1.05	0.96
	50;100	1.89	1.90	1.88	1.66	1.66
	90;50	1.40	1.37	1.25	1.12	1.04
	90;100	2.04	2.05	2.06	1.84	1.87
(1) Power loss in standby	W	8.6	8.6	8.6	8.6	8.6
	%	0.2	0.1	0.1	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	4.85	6.58	8.66	11.09	16.8
(6) Indicative motor rated power output	kW	3.00	4.00	5.50	7.50	11
(7) Rated output current	A	7.00	9.50	12.50	16.00	24
(8) Maximum operating temperature	°C	55				
(9) Rated supply frequency	Hz	50 – 60 ± 5 %				
(10) Range of rated supply voltage	V	3 × 380 – 500				













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