



Addendum to the operating instructions



Drive systems for decentralized installation

MOVIFIT[®] compact/FC, MOVIMOT[®] MM..D, MOVIPRO[®] SDC/ADC/PHE basic

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



Table of contents

1	Content of this document.....	4
1.1	Year of manufacture	4
2	Inverter data.....	5
2.1	Connection voltage 380 V – 500 V	5
2.1.1	MOVIFIT® compact - MBF07 - 15B-503-..2-..-..00.....	5
2.1.2	MOVIFIT® FC - MTF..A003 - 015-503-...A-../S.....	6
2.1.3	MOVIFIT® FC - MTF..A022 - 040-503-...A-../S.....	7
2.1.4	MOVIMOT® MM..D - MM03 - 15D-..3-00	8
2.1.5	MOVIMOT® MM..D - MM22 - 30D-..3-00	9
2.1.6	MOVIMOT® MM..D - MM40D-..3-00	10
2.1.7	MOVIPRO® SDC/ADC/PHC-..C5/-A-99 - PHC2.A-A022 - 075M1-..0A-00/...	11
2.1.8	MOVIPRO® SDC/ADC/PHC-..C5/-A-99 - PHC2.A-A110 - 220M1-..0A-00/...	12
2.1.9	MOVIPRO® PHE advanced - PHE10A-..15-3.X.W.A-00/001	13
2.1.10	MOVIPRO® PHE basic - PHE..B-A15-..1X0..B-00.....	14
2.1.11	PHE compact - PHE..C-B15-..0X0..B-00/.....	15
2.2	Connection voltage 200 V – 240 V	16
2.2.1	MOVIMOT® MM..D - MM03 - 07D-..3-00	16
2.2.2	MOVIMOT® MM..D - MM11 - 22D-..3-00	17

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

2.1 Connection voltage 380 V – 500 V

2.1.1 MOVIFIT® compact - MBF07 - 15B-503-.2-...-00

Model identifier		MOVIFIT® compact		
Type		MBF07 - 15B-503-.2-...-00		
Performance class		007	011	0015
(1) Power loss in % of the apparent output power	0;25	2.33	1.75	1.52
	0;50	2.35	1.91	1.69
	0;100	2.60	2.30	2.11
	50;25	2.37	1.78	1.55
	50;50	2.42	1.97	1.75
	50;100	2.71	2.43	2.24
	90;50	2.47	2.03	1.81
	90;100	2.82	2.54	2.36
(1) Power loss in standby	W	4.0	4.0	4.0
	%	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	1.18	1.52	1.94
(6) Indicative motor rated power output	kW	0.75	1.10	1.50
(7) Rated output current	A	1.70	2.20	2.80
(8) Maximum operating temperature	°C	40		
(9) Rated supply frequency	Hz	50 – 60 ±5 %		
(10) Range of rated supply voltage	V	3 × 380 – 500 ±10 %		

2.1.2 MOVIFIT® FC - MTF..A003 - 015-503-...A-../S..

Model identifier		MOVIFIT® FC				
Type		MTF..A003 - 015-503-...A-../S..				
Performance class		003	005	007	011	015
(1) Power loss in % of the apparent output power	0;25	1.95	1.49	1.31	1.15	1.04
	0;50	1.97	1.63	1.45	1.30	1.20
	0;100	2.18	1.96	1.80	1.68	1.61
	50;25	2.00	1.54	1.35	1.19	1.09
	50;50	2.05	1.72	1.54	1.39	1.30
	50;100	2.34	2.13	1.98	1.86	1.80
	90;50	2.13	1.79	1.62	1.47	1.38
	90;100	2.47	2.28	2.14	2.03	1.99
(1) Power loss in standby	W	3.0	3.0	3.0	3.0	3.0
	%	0.3	0.2	0.2	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	1.11	1.39	1.73	2.22	2.77
(6) Indicative motor rated power output	kW	0.37	0.55	0.75	1.10	1.50
(7) Rated output current	A	1.60	2.00	2.50	3.20	4.00
(8) Maximum operating temperature	°C	40				
(9) Rated supply frequency	Hz	50 – 60 ±5 %				
(10) Range of rated supply voltage	V	3 × 380 – 500 ±10 %				

2.1.3 MOVIFIT® FC - MTF..A022 - 040-503-...A-../S..

Model identifier		MOVIFIT® FC		
Type		MTF..A022 - 040-503-...A-../S..		
Performance class		022	030	040
(1) Power loss in % of the apparent output power	0;25	0.91	0.90	0.90
	0;50	1.11	1.11	1.11
	0;100	1.59	1.61	1.63
	50;25	0.95	0.94	0.94
	50;50	1.20	1.20	1.20
	50;100	1.76	1.79	1.81
	90;50	1.27	1.27	1.28
	90;100	1.92	1.95	1.99
(1) Power loss in standby	W	3.2	3.2	3.2
	%	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	3.81	5.06	6.03
(6) Indicative motor rated power output	kW	2.20	3.00	4.00
(7) Rated output current	A	5.50	7.30	8.70
(8) Maximum operating temperature	°C	40		
(9) Rated supply frequency	Hz	50 – 60 ±5 %		
(10) Range of rated supply voltage	V	3 × 380 – 500 ±10 %		

2.1.4 MOVIMOT® MM..D - MM03 - 15D-..3-00

Model identifier		MOVIMOT® MM..D				
Type		MM03 - 15D-..3-00				
Performance class		03	05	07	11	15
(1) Power loss in % of the apparent output power	0;25	2.24	1.73	1.50	1.31	1.21
	0;50	2.26	1.87	1.65	1.46	1.38
	0;100	2.49	2.22	2.01	1.83	1.78
	50;25	2.29	1.77	1.54	1.35	1.26
	50;50	2.34	1.95	1.73	1.54	1.46
	50;100	2.63	2.37	2.17	2.00	1.95
	90;50	2.41	2.02	1.80	1.62	1.54
	90;100	2.76	2.51	2.31	2.15	2.12
(1) Power loss in standby	W	3.0	3.0	3.0	3.0	3.0
	%	0.3	0.2	0.2	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	1.11	1.39	1.73	2.22	2.77
(6) Indicative motor rated power output	kW	0.37	0.55	0.75	1.10	1.50
(7) Rated output current	A	1.60	2.00	2.50	3.20	4.00
(8) Maximum operating temperature	°C	40				
(9) Rated supply frequency	Hz	50 – 60 ±10%				
(10) Range of rated supply voltage	V	3 × 380 – 500 ±10%				

2.1.5 MOVIMOT® MM..D - MM22 - 30D-..3-00

Model identifier	MOVIMOT® MM..D		
Type	MM22 – 30D-..3-00		
Performance class		22	30
(1) Power loss in % of the apparent output power	0;25	0.89	0.84
	0;50	1.10	1.04
	0;100	1.61	1.51
	50;25	0.93	0.88
	50;50	1.18	1.12
	50;100	1.77	1.68
	90;50	1.26	1.20
	90;100	1.93	1.84
(1) Power loss in standby	W	3.0	3.0
	%	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	3.81	5.06
(6) Indicative motor rated power output	kW	2.20	3.00
(7) Rated output current	A	5.50	7.30
(8) Maximum operating temperature	°C	40	
(9) Rated supply frequency	Hz	50 – 60 ±10%	
(10) Range of rated supply voltage	V	3 × 380 – 500 ±10%	

2.1.6 MOVIMOT® MM..D - MM40D-..3-00

Model identifier		MOVIMOT® MM..D
Type		MM40D-..3-00
Performance class		40
(1) Power loss in % of the apparent output power	0;25	0.84
	0;50	1.04
	0;100	1.53
	50;25	0.88
	50;50	1.13
	50;100	1.70
	90;50	1.21
	90;100	1.87
(1) Power loss in standby	W	3.0
	%	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	6.03
(6) Indicative motor rated power output	kW	4.00
(7) Rated output current	A	8.70
(8) Maximum operating temperature	°C	40
(9) Rated supply frequency	Hz	50 – 60 ±10%
(10) Range of rated supply voltage	V	3 × 380 – 500 ±10%

2.1.7 MOVIPRO® SDC/ADC/PHC...C5/-A-99 - PHC2.A-A022 - 075M1-..0A-00/...

Model identifier		MOVIPRO® SDC/ADC, PHC...C5/-A-99		
Type		PHC2.A-A022 - 075M1-..0A-00/... PHC11A..-A-99 PHC2.A-A..M1-...-C5 PHC11A-A040M1-W42A-A1		
Performance class		022	040	075
(1) Power loss in % of the apparent output power	0;25	1.42	1.15	0.89
	0;50	1.60	1.34	1.06
	0;100	2.03	1.80	1.59
	50;25	1.46	1.19	0.93
	50;50	1.68	1.42	1.15
	50;100	2.18	1.96	1.79
	90;50	1.75	1.49	1.23
	90;100	2.31	2.11	1.99
(1) Power loss in standby	W	20.0	20.0	20.0
	%	0.5	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	3.81	6.58	11.09
(6) Indicative motor rated power output	kW	2.20	4.00	7.50
(7) Rated output current	A	5.50	9.50	16.00
(8) Maximum operating temperature	°C	40		
(9) Rated supply frequency	Hz	50 – 60 ±5 %		
(10) Range of rated supply voltage	V	3 × 380 – 500 ±10 %		

2.1.8 MOVIPRO® SDC/ADC/PHC...C5/-A-99 - PHC2.A-A110 - 220M1-..0A-00/...

Model identifier		MOVIPRO® SDC/ADC, PHC...C5/-A-99		
Type		PHC2.A-A110 - 220M1-..0A-00/... PHC11A..-A-99 PHC2.A-A..M1-...-C5		
Performance class		110	150	220
(1) Power loss in % of the apparent output power	0;25	0.85	0.75	0.66
	0;50	1.01	0.92	0.84
	0;100	1.48	1.41	1.37
	50;25	0.89	0.79	0.70
	50;50	1.08	0.99	0.92
	50;100	1.64	1.58	1.55
	90;50	1.15	1.06	1.00
	90;100	1.80	1.76	1.77
(1) Power loss in standby	W	20.0	20.0	20.0
	%	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	16.63	22.17	31.87
(6) Indicative motor rated power output	kW	11.00	15.00	22.00
(7) Rated output current	A	24.00	32.00	46.00
(8) Maximum operating temperature	°C	40		
(9) Rated supply frequency	Hz	50 – 60 ±5 %		
(10) Range of rated supply voltage	V	3 × 380 – 500 ±10 %		

2.1.9 MOVIPRO® PHE advanced - PHE10A-.15-3.X.W.A-00/001

Model identifier		MOVIPRO® PHE advanced
Type		PHE10A-.15-3.X.W.A-00/001
Performance class		015
(1) Power loss in % of the apparent output power	0;25	1.59
	0;50	1.75
	0;100	2.14
	50;25	1.63
	50;50	1.83
	50;100	2.31
	90;50	1.91
	90;100	2.48
(1) Power loss in standby	W	12.0
	%	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	2.77
(6) Indicative motor rated power output	kW	1.50
(7) Rated output current	A	4.00
(8) Maximum operating temperature	°C	40
(9) Rated supply frequency	Hz	50 – 60
(10) Range of rated supply voltage	V	3 × 380 – 500

2.1.10 MOVIPRO® PHE basic - PHE..B-A15-.1X0..B-00

Model identifier		MOVIPRO® PHE basic
Type		PHE..B-A15-.1X0..B-00
Performance class		015
(1) Power loss in % of the apparent output power	0;25	1.61
	0;50	1.77
	0;100	2.16
	50;25	1.65
	50;50	1.86
	50;100	2.34
	90;50	1.93
	90;100	2.50
(1) Power loss in standby	W	10.0
	%	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	2.77
(6) Indicative motor rated power output	kW	1.50
(7) Rated output current	A	4.00
(8) Maximum operating temperature	°C	40
(9) Rated supply frequency	Hz	50 – 60
(10) Range of rated supply voltage	V	3 × 380 – 500

2.1.11 PHE compact - PHE..C-B15-.0X0..B-00/..

Model identifier		PHE compact
Type		PHE..C-B15-.0X0..B-00/..
Performance class		015
(1) Power loss in % of the apparent output power	0;25	1.59
	0;50	1.75
	0;100	2.14
	50;25	1.63
	50;50	1.83
	50;100	2.31
	90;50	1.91
	90;100	2.48
(1) Power loss in standby	W	12.0
	%	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	2.77
(6) Indicative motor rated power output	kW	1.50
(7) Rated output current	A	4.00
(8) Maximum operating temperature	°C	40
(9) Rated supply frequency	Hz	50 – 60
(10) Range of rated supply voltage	V	3 × 380 – 500

2.2 Connection voltage 200 V – 240 V

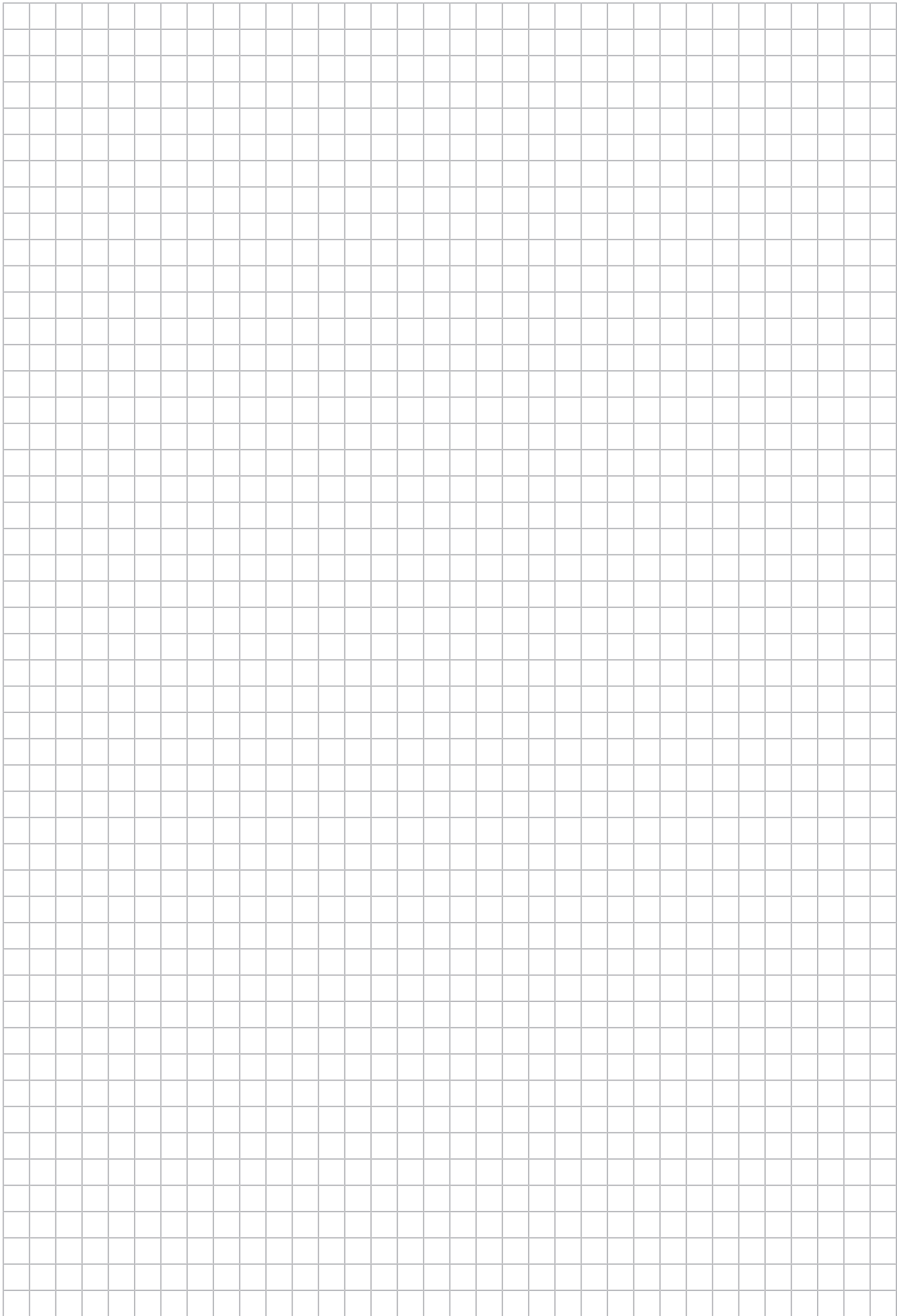
2.2.1 MOVIMOT® MM..D - MM03 - 07D-..3-00

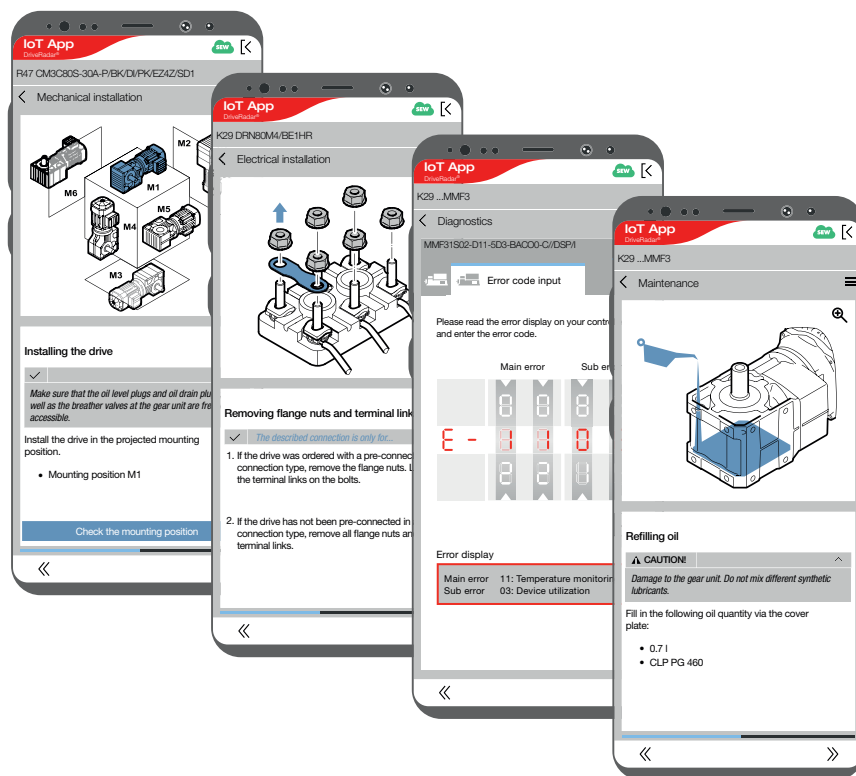
Model identifier		MOVIMOT® MM..D		
Type		MM03 - 07D-..3-00		
Performance class		03	05	07
(1) Power loss in % of the apparent output power	0;25	2.21	2.01	1.50
	0;50	2.24	2.04	1.73
	0;100	2.59	2.42	2.32
	50;25	2.30	2.10	1.57
	50;50	2.38	2.19	1.88
	50;100	2.85	2.68	2.62
	90;50	2.50	2.31	2.02
	90;100	3.08	2.93	2.91
(1) Power loss in standby	W	3.0	3.0	3.0
	%	0.3	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	1.00	1.27	1.59
(6) Indicative motor rated power output	kW	0.37	0.55	0.75
(7) Rated output current	A	2.50	3.20	4.00
(8) Maximum operating temperature	°C	40		
(9) Rated supply frequency	Hz	50 – 60 ±10%		
(10) Range of rated supply voltage	V	3 × 200 – 240 ±10%		

2.2.2 MOVIMOT® MM..D - MM11 - 22D-..3-00

Model identifier		MOVIMOT® MM..D		
Type		MM11 - 22D-..3-00		
Performance class		11	15	22
(1) Power loss in % of the apparent output power	0;25	1.19	1.12	1.12
	0;50	1.48	1.39	1.39
	0;100	2.20	2.04	2.08
	50;25	1.26	1.19	1.19
	50;50	1.62	1.53	1.54
	50;100	2.48	2.33	2.37
	90;50	1.75	1.67	1.68
	90;100	2.74	2.62	2.67
(1) Power loss in standby	W	3.0	3.0	3.0
	%	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	2.19	2.91	3.47
(6) Indicative motor rated power output	kW	1.10	1.50	2.20
(7) Rated output current	A	5.50	7.30	8.70
(8) Maximum operating temperature	°C	40		
(9) Rated supply frequency	Hz	50 – 60 ±10%		
(10) Range of rated supply voltage	V	3 × 200 – 240 ±10%		

33086044/EN – 12/2025





<https://iotapp.io>



THE GREEN SIDE OF DRIVE

Documentation and technical information on your smartphone –
paperless and always available





SEW-EURODRIVE
Driving the world

SEW
EURODRIVE

SEW-EURODRIVE GmbH & Co KG
Ernst-Blickle-Str. 42
76646 BRUCHSAL
GERMANY
Tel. +49 7251 75-0
Fax +49 7251 75-1970
sew@sew-eurodrive.com
→ www.sew-eurodrive.com