

Inverter data according to EU regulation 2019/1781

Content of this document:

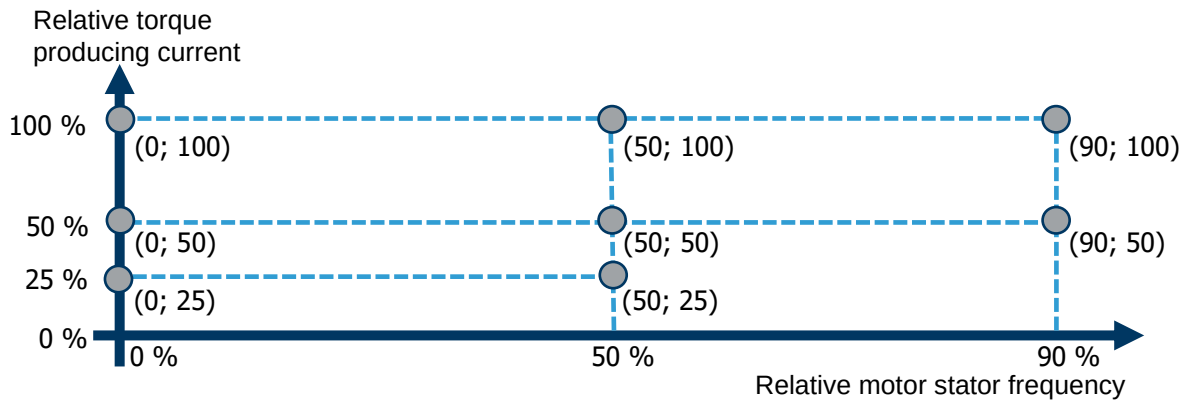
This document lists the data according to the European regulation EU 2019/1781 for the frequency inverter series

Series SCM 202 / SCM 402

The reference numbers set in the regulation are shown also in this document as follows:

(1)	Power losses in % of the rated apparent output power at the following different operating points for relative motor stator frequency versus relative torque-producing current (0;25) (0;50) (0;100) (50;25) (50;50) (50;100) (90;50) (90;100)	
	Standby losses	
(2)	Efficiency level	
(3)	Manufacturer's name, commercial registration number and address	
(4)	Product's model identifier	
(5)	Apparent output power [kVA]	<i>in standard environment conditions (including nominal environment temperature) according to the operating instructions</i>
(6)	Indicative motor rated power output [kW]	
(7)	Rated output current [A]	
(8)	Maximum operating temperature [°C] – Note: Max. environment temperature; For temperature derating check the operating instructions	
(9)	Rated supply frequency [Hz]	
(10)	Rated supply voltage [V] / Mains voltage [V]	

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(D)	Famr Size	f _{PWM} [kHz]	(1)									(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			Power losses Relative [%] ²⁾																	
Device ¹⁾			(0;25)	(0;50)	(0;100)	(50;25)	(50;50)	(50;100)	(90;50)	(90;100)	P _{Loss Standby} [W]	IE class	Manufacturer	Model ID	S _{rated} [kVA]	P _{rated} [kW]	I _{rated} [A]	Max. T [°C]	f _{supply} [Hz] ⁵⁾	V _{supply} [V] ⁶⁾
SCM 202-15 2FA DSAGL202152FA0271	2	4	1,21	1,37	1,78	1,27	1,51	2,09	1,67	2,50	10	IE2	3)	4)	4,8	3	12,0	55	5)	230
SCM 402-11 1FA DSAGL402111FA0272	1	4	1,28	1,40	1,68	1,31	1,46	1,80	1,52	1,93	10	IE2	3)	4)	2,8	1,5	4,0	55	5)	400
SCM 402-15 2FA DSAGL402152FA0273	2	4	0,92	1,01	1,24	0,95	1,08	1,37	1,14	1,51	10	IE2	3)	4)	5,2	3,0	7,5	55	5)	400
SCM 402-19 2FA DSAGL402192FA0274	2	4	0,72	0,83	1,16	0,75	0,90	1,33	0,97	1,51	10	IE2	3)	4)	9,0	5,5	13,0	55	5)	400
SCM 402-23 3FA DSAGL402233FA0275	3	4	0,70	0,82	1,19	0,73	0,89	1,36	0,97	1,57	10	IE2	3)	4)	15,9	11,0	23,0	55	5)	400

- 1) The table shows the type number of the typical variant of the series. The gray colored area of the type number can vary without changing efficiency data values.
- 2) Relative power losses relate to the Nominal Apparent power.
- 3) Manufacturer: EMG Automation GmbH, D-57482 Wenden, Register Court Siegen, HRB 9523
- 4) See column (D) Device
- 5) 50/60 Hz (±10 %)
- 6) 400: AC 3~320...480 (+10%) V 230: AC 3~184...240 V (+10 %)