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

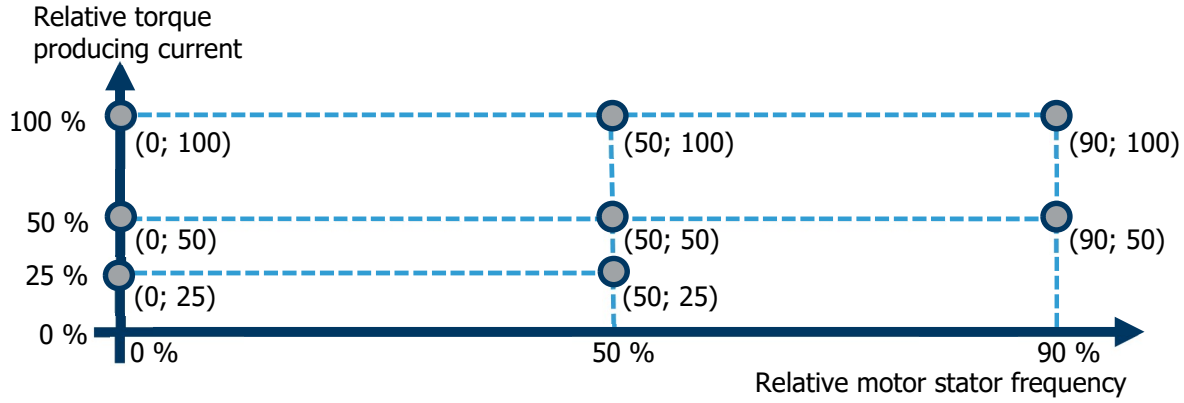
AXA (AxiaAgile)

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]	*in standard environment conditions (including nominal environment temperature) according to the operating instructions*
(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]*	

Table of Contents according to subseries, Mains voltage, Mounting Version and frame sizes:

Inverter data according to EU regulation 2019/1781



(D)			(1)									(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			Power losses Relative [%] 2)																	
Device 1)	Frame Size	f_{PWM} [kHz]	(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)
AXA403Bk251FA30000	1	4	3,4	3,4	3,5	3,4	3,4	3,6	3,5	3,7	9	IE2	3)	4)	0,55	0,25	0,8	55	5)	400
AXA403Bk371FA30000	1	4	2,4	2,4	2,6	2,5	2,5	2,7	2,5	2,8	9	IE2	3)	4)	0,8	0,37	1,2	55	5)	400
AXA403Bk551FA30000	1	4	2,1	2,1	2,2	2,1	2,1	2,3	2,2	2,4	9	IE2	3)	4)	1,0	0,55	1,5	55	5)	400
AXA403Bk751FA30000	1	4	1,5	1,6	1,8	1,5	1,6	1,9	1,7	2,0	9	IE2	3)	4)	1,5	0,75	2,1	55	5)	400
AXA403B1k11FA30000	1	4	1,2	1,3	1,5	1,2	1,3	1,6	1,4	1,8	9	IE2	3)	4)	2,1	1,1	3,0	55	5)	400
AXA403B1k51FA30000	1	4	1,2	1,3	1,6	1,2	1,3	1,7	1,4	1,8	9	IE2	3)	4)	2,8	1,5	4,0	55	5)	400
AXA403B2k21FA30000	1	4	1,1	1,2	1,5	1,1	1,3	1,6	1,3	1,8	9	IE2	3)	4)	3,8	2,2	5,5	55	5)	400
AXA403B3k02FA30000	2	4	1,3	1,4	1,7	1,3	1,4	1,8	1,5	1,9	15	IE2	3)	4)	5,2	3	7,5	55	5)	400
AXA403B4k02FA30000	2	4	1,2	1,3	1,6	1,2	1,4	1,8	1,5	1,9	15	IE2	3)	4)	6,6	4	9,5	55	5)	400
AXA403B5k53XA30000	3	4	1,2	1,3	1,7	1,3	1,4	1,8	1,5	2,0	24	IE2	3)	4)	9,0	5,5	13	55	5)	400
AXA403B7k53XA30000	3	4	1,1	1,2	1,6	1,1	1,3	1,7	1,4	1,9	24	IE2	3)	4)	11,8	7,5	17	55	5)	400
AXA403B9k23XA30000	3	4	1,1	1,2	1,5	1,1	1,2	1,7	1,3	1,9	24	IE2	3)	4)	13,9	9,2	20	55	5)	400
AXA403B11k3XA30000	3	4	1,0	1,1	1,5	1,0	1,2	1,7	1,3	1,9	24	IE2	3)	4)	15,9	11	23	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: Bonfiglioli Deutschland GmbH Europark Fichtenhain B6
Register Court Neuss,HRB 9981 D-47807 Krefeld
4) See column (D) Device
5) f_{supply} : 50/60 Hz (±10 %)
6) V_{supply} :400: AC 3~320…480 (+10%) V 230: AC 3~184…240 V (+10 %)

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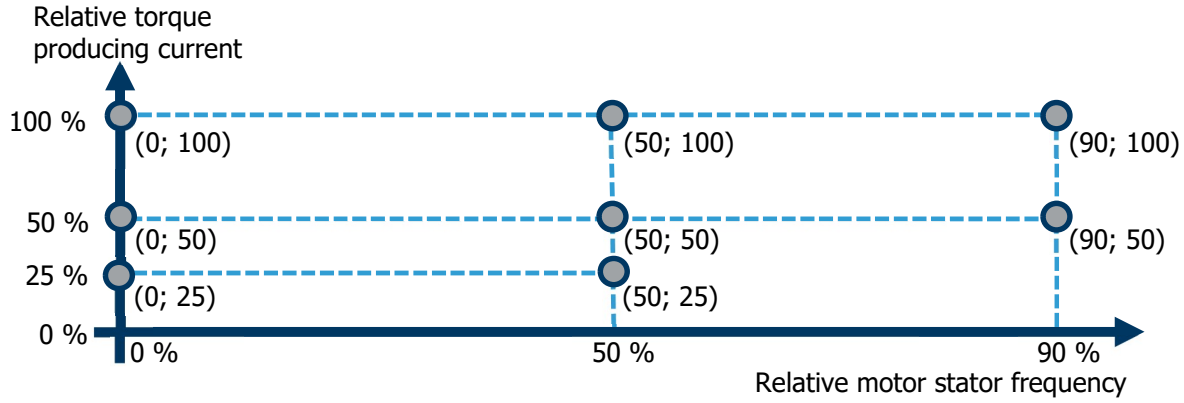

(D)			(1)									(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			Power losses Relative [%] 2)																	
Device 1)	Frame Size	f_{PWM} [kHz]	(0;25)	(0;50)	(0;100)	(50;25)	(50;50)	(50;100)	(90;50)	(90;100)	$P_{Loss\ Standby}$ [W]	IE class	Manufacturer	Model ID	S_{rated} [kVA]	P_{rated} [kW]	I_{rated} [A]	Max. T [°C]	f_{supply} [Hz] 5)	V_{supply} [V] 6)
AXA403Bk251FC30000	1	4	3.4	3.4	3.5	3.4	3.4	3.6	3.5	3.7	9	IE2	3)	4)	0.55	0.25	0.8	55	5)	400
AXA403Bk371FC30000	1	4	2.4	2.4	2.6	2.5	2.5	2.7	2.5	2.8	9	IE2	3)	4)	0.8	0.37	1.2	55	5)	400
AXA403Bk551FC30000	1	4	2.1	2.1	2.2	2.1	2.1	2.3	2.2	2.4	9	IE2	3)	4)	1.0	0.55	1.5	55	5)	400
AXA403Bk751FC30000	1	4	1.5	1.6	1.8	1.5	1.6	1.9	1.7	2.0	9	IE2	3)	4)	1.5	0.75	2.1	55	5)	400
AXA403B1k11FC30000	1	4	1.2	1.3	1.5	1.2	1.3	1.6	1.4	1.8	9	IE2	3)	4)	2.1	1.1	3.0	55	5)	400
AXA403B1k51FC30000	1	4	1.0	1.1	1.4	1.0	1.1	1.5	1.2	1.6	9	IE2	3)	4)	2.8	1.5	4.0	55	5)	400
AXA403B2k21FC30000	1	4	0.9	1.0	1.3	0.9	1.1	1.5	1.1	1.6	9	IE2	3)	4)	3.8	2.2	5.5	55	5)	400
AXA403B3k02FC30000	2	4	1.0	1.1	1.4	1.0	1.2	1.5	1.2	1.7	15	IE2	3)	4)	5.2	3	7.5	55	5)	400
AXA403B4k02FC30000	2	4	0.9	1.1	1.4	1.0	1.1	1.5	1.2	1.7	15	IE2	3)	4)	6.6	4	9.5	55	5)	400
AXA403B5k53XC30000	3	4	0.7	0.8	1.1	0.7	0.8	1.3	0.9	1.4	16	IE2	3)	4)	9.0	5.5	13	55	5)	400
AXA403B7k53XC30000	3	4	0.6	0.7	1.1	0.6	0.8	1.2	0.8	1.4	16	IE2	3)	4)	11.8	7.5	17	55	5)	400
AXA403B9k23XC30000	3	4	0.5	0.7	1.0	0.6	0.7	1.2	0.8	1.4	16	IE2	3)	4)	13.9	9.2	20	55	5)	400
AXA403B11k3XC30000	3	4	0.5	0.6	1.0	0.6	0.7	1.2	0.8	1.4	16	IE2	3)	4)	15.9	11	23	55	5)	400

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