

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)

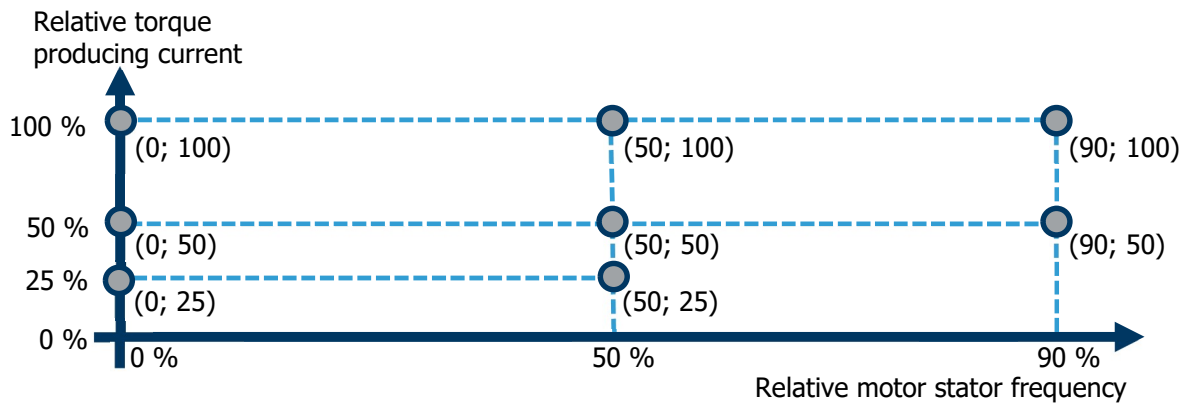
The reference numbers set in the regulation are shown also in this document as follows:

(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]	<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] – <i>Note: Max. environment temperature; For temperature derating check the operating instructions</i>	
(9)	Rated supply frequency [Hz]	
(10)	Rated supply voltage [V] / <i>Mains voltage [V]</i>	

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

Series	Mains Voltage	Mounting Version	Frame Size(s)	Page
AXA4	3 ~ 400 V	A: Air Cooling	1,2,3	2
		C: ColdPlate	1,2,3	3

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(D)	Frame Size	f _{PWM} [kHz]	(1)									(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
Device ¹⁾			Power losses Relative [%] ²⁾									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⁾
			(0;25)	(0;50)	(0;100)	(50;25)	(50;50)	(50;100)	(90;50)	(90;100)											
AXA403Bk251XA30000	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	
AXA403Bk371XA30000	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	
AXA403Bk551XA30000	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	
AXA403Bk751XA30000	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	
AXA403B1k11XA30000	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	
AXA403B1k51XA30000	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	
AXA403B2k21XA30000	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	
AXA403B3k02XA30000	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	
AXA403B4k02XA30000	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.

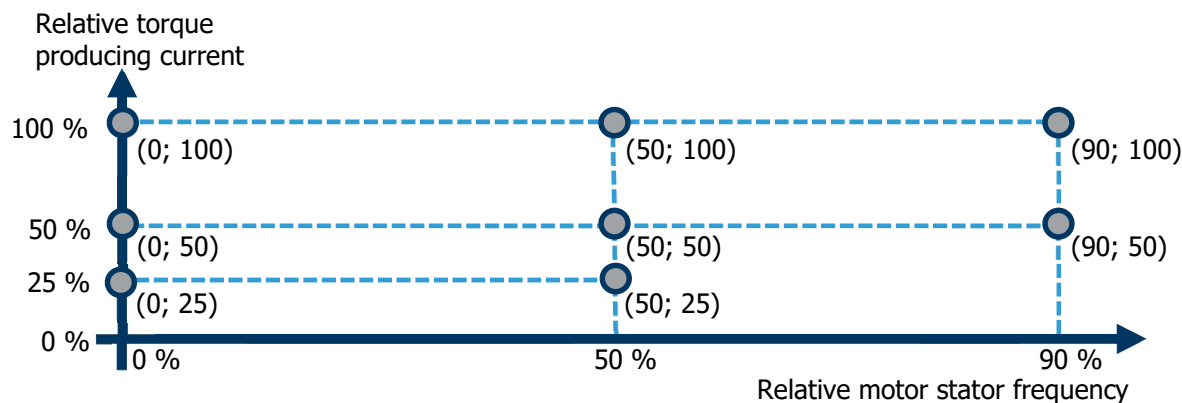
3) Manufacturer: Bonfiglioli Deutschland GmbH Europark Fichtenhain B6
Register Court Neuss, HRB 9981 D-47807 Krefeld

4) See column (D) Device

5) f_{supply} : 50/60 Hz (±10 %)

6) V_{supply} : 400: AC 3~320...480 (+10%) V

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(D)	Frame Size	f _{PWM} [kHz]	(1)									(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			Power losses Relative [%] ²⁾									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⁾
(0;25)			(0;50)	(0;100)	(50;25)	(50;50)	(50;100)	(90;50)	(90;100)											
Device ¹⁾																				
AXA403Bk251XC30000	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
AXA403Bk371XC30000	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
AXA403Bk551XC30000	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
AXA403Bk751XC30000	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
AXA403B1k11XC30000	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
AXA403B1k51XC30000	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
AXA403B2k21XC30000	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
AXA403B3k02XC30000	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
AXA403B4k02XC30000	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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