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

ANG210 / ANG410 / ANG510 / ANG610

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:

1) ANG210 devices can also be operated in single phase 230 V mains installations. The data in the following tables consider the operation for three phase 230 V mains operations

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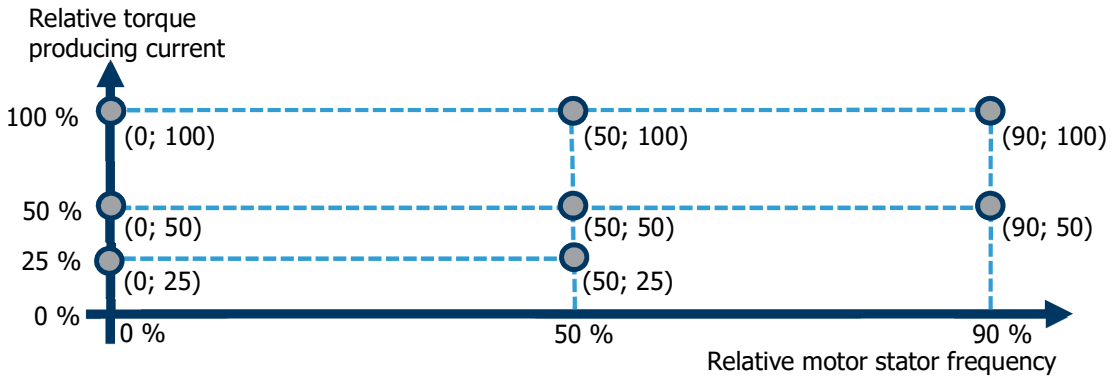

(D)			(1)									(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			Power losses Relative [%] 2)																	
Device 1)	Frame Size	f_{PWM} [kHz]	(0;25)	(0;50)	(0;100)	(50;25)	(50;50)	(50;100)	(90;50)	(90;100)	$P_{Loss\ Standby}$ [W]	IE class	Manufacturer	Model ID	S_{rated} [kVA]	P_{rated} [kW]	I_{rated} [A]	Max. T [°C]	f_{supply} [Hz] 5)	V_{supply} [V] 6)
ANG-210011FASBASW0	1	4	2.7	2.7	2.9	2.7	2.8	3.1	2.9	3.3	10	IE2	3)	4)	0.64	0.25	1.6	55	5)	230
ANG-210031FASBASW0	1	4	2	2	2.2	2.1	2.1	2.5	2.2	2.7	10	IE2	3)	4)	1	0.37	2.5	55	5)	230
ANG-210051FASBASW0	1	4	1.8	1.8	2.1	1.9	2	2.3	2.1	2.5	10	IE2	3)	4)	1.2	0.55	3	55	5)	230
ANG-210071FASBASW0	1	4	1.3	1.5	1.9	1.4	1.6	2.1	1.7	2.4	10	IE2	3)	4)	1.6	0.75	4	55	5)	230
ANG-210091FASBASW0	1	4	1.2	1.3	1.8	1.2	1.5	2.1	1.6	2.3	10	IE2	3)	4)	2.2	1.1	5.4	55	5)	230
ANG-210112FASBASW0	2	4	1.5	1.7	2.1	1.6	1.9	2.5	2	2.8	11.7	IE2	3)	4)	2.8	1.5	7	55	5)	230
ANG-210132FASBASW0	2	4	1.5	1.6	2.1	1.5	1.8	2.5	2	2.8	11.7	IE2	3)	4)	3.8	2.2	9.5	55	5)	230
ANG-210152FASBASW0	2	4	1.4	1.6	2.1	1.5	1.8	2.6	2	3	11.7	IE2	3)	4)	5	3	12.5	55	5)	230
ANG-210183FASBASW0	3	4	1.9	2.1	2.6	1.9	2.2	2.9	2.3	3.2	16.3	IE2	3)	4)	7.2	4	18	55	5)	230
ANG-210193FASBASW0	3	4	1.6	1.8	2.6	1.6	1.9	2.9	2.1	3.3	16.3	IE2	3)	4)	8.8	5.5	22	55	5)	230
ANG-210214ASBASW00	4	4	1.4	1.6	2.4	1.4	1.7	2.6	1.9	2.9	19	IE2	3)	4)	12.7	7.5	32	55	5)	230
ANG-210224ASBASW00	4	4	1.3	1.6	2.4	1.4	1.7	2.6	1.8	3	19	IE2	3)	4)	13.9	9.2	35	55	5)	230

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 %) 525: AC 3~525 V 690: AC 3~690 V

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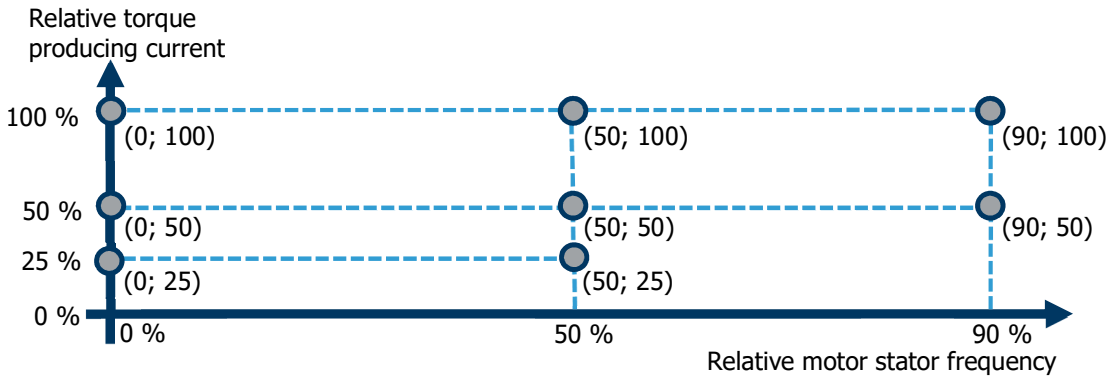

(D)			(1)									(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			Power losses Relative [%] 2)																	
Device 1)	Frame Size	f_{PWM} [kHz]	(0;25)	(0;50)	(0;100)	(50;25)	(50;50)	(50;100)	(90;50)	(90;100)	$P_{Loss\ Standby}$ [W]	IE class	Manufacturer	Model ID	S_{rated} [kVA]	P_{rated} [kW]	I_{rated} [A]	Max. T [°C]	f_{supply} [Hz] 5)	V_{supply} [V] 6)
ANG-210011FCSBASW0	1	4	2.7	2.7	2.9	2.7	2.8	3.1	2.9	3.3	10	IE2	3)	4)	0.64	0.25	1.6	55	5)	230
ANG-210031FCSBASW0	1	4	2	2	2.2	2.1	2.1	2.5	2.2	2.7	10	IE2	3)	4)	1	0.37	2.5	55	5)	230
ANG-210051FCSBASW0	1	4	1.8	1.8	2.1	1.9	2	2.3	2.1	2.5	10	IE2	3)	4)	1.2	0.55	3	55	5)	230
ANG-210071FCSBASW0	1	4	1.3	1.5	1.9	1.4	1.6	2.1	1.7	2.4	10	IE2	3)	4)	1.6	0.75	4	55	5)	230
ANG-210091FCSBASW0	1	4	1.2	1.3	1.8	1.2	1.5	2.1	1.6	2.3	10	IE2	3)	4)	2.2	1.1	5.4	55	5)	230
ANG-210112FCSBASW0	2	4	1.2	1.3	1.8	1.2	1.5	2.1	1.6	2.4	11.7	IE2	3)	4)	2.8	1.5	7	55	5)	230
ANG-210132FCSBASW0	2	4	1.1	1.3	1.7	1.2	1.4	2.1	1.6	2.4	11.7	IE2	3)	4)	3.8	2.2	9.5	55	5)	230
ANG-210152FCSBASW0	2	4	1	1.2	1.7	1.1	1.4	2.1	1.6	2.5	11.7	IE2	3)	4)	5	3	12.5	55	5)	230
ANG-210183FCSBASW0	3	4	1.4	1.6	2.2	1.5	1.8	2.5	1.9	2.8	16.3	IE2	3)	4)	7.2	4	18	55	5)	230
ANG-210193FCSBASW0	3	4	1.1	1.4	2.2	1.2	1.5	2.5	1.6	2.8	16.3	IE2	3)	4)	8.8	5.5	22	55	5)	230
ANG-210214CSBASW00	4	4	0.9	1.2	2	1	1.3	2.2	1.4	2.5	19	IE2	3)	4)	12.7	7.5	32	55	5)	230
ANG-210224CSBASW00	4	4	0.9	1.2	2	1	1.3	2.2	1.4	2.6	19	IE2	3)	4)	13.9	9.2	35	55	5)	230

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.
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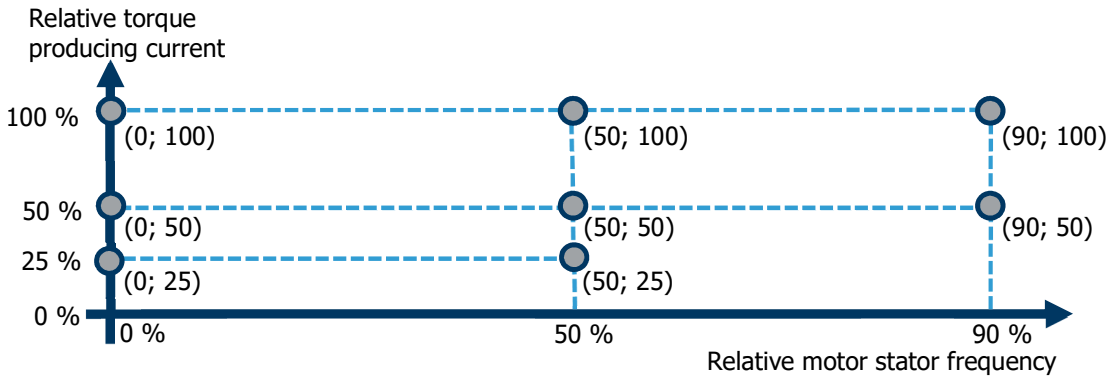

(D)			(1)									(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			Power losses Relative [%] 2)																	
Device 1)	Frame Size	f_{PWM} [kHz]	(0;25)	(0;50)	(0;100)	(50;25)	(50;50)	(50;100)	(90;50)	(90;100)	$P_{Loss\ Standby}$ [W]	IE class	Manufacturer	Model ID	S_{rated} [kVA]	P_{rated} [kW]	I_{rated} [A]	Max. T [°C]	f_{supply} [Hz] 5)	V_{supply} [V] 6)
ANG-410011FASBASW0	1	4	2.8	2.8	3	2.9	2.9	3.1	3	3.2	10	IE2	3)	4)	0.69	0.25	1	55	5)	400
ANG-410031FASBASW0	1	4	2	2	2.1	2	2.1	2.3	2.1	2.4	10	IE2	3)	4)	1.1	0.37	1.6	55	5)	400
ANG-410051FASBASW0	1	4	1.8	1.8	2	1.9	1.9	2.1	2	2.2	10	IE2	3)	4)	1.2	0.55	1.8	55	5)	400
ANG-410071FASBASW0	1	4	1.3	1.4	1.7	1.4	1.5	1.8	1.6	2	10	IE2	3)	4)	1.7	0.75	2.4	55	5)	400
ANG-410091FASBASW0	1	4	1.1	1.2	1.5	1.1	1.3	1.6	1.4	1.8	10	IE2	3)	4)	2.2	1.1	3.2	55	5)	400
ANG-410111FASBASW0	1	4	1	1.1	1.4	1	1.2	1.5	1.3	1.7	10	IE2	3)	4)	2.6	1.5	3.8	55	5)	400
ANG-410122FASBASW0	2	4	1.3	1.4	1.6	1.3	1.4	1.8	1.5	1.9	11.7	IE2	3)	4)	2.9	1.85	4.2	55	5)	400
ANG-410132FASBASW0	2	4	1.1	1.2	1.5	1.2	1.3	1.7	1.4	1.8	11.7	IE2	3)	4)	4	2.2	5.8	55	5)	400
ANG-410152FASBASW0	2	4	1.1	1.2	1.5	1.1	1.2	1.6	1.3	1.8	11.7	IE2	3)	4)	5.4	3	7.8	55	5)	400
ANG-410182FASBASW0	2	4	1	1.2	1.4	1.1	1.2	1.6	1.3	1.8	11.7	IE2	3)	4)	6.2	4	9	55	5)	400
ANG-410193FASBASW0	3	4	1.4	1.5	2	1.4	1.6	2.2	1.7	2.4	16.3	IE2	3)	4)	9.7	5.5	14	55	5)	400
ANG-410213FASBASW0	3	4	1.2	1.4	1.9	1.3	1.5	2.1	1.6	2.3	16.3	IE2	3)	4)	12.5	7.5	18	55	5)	400
ANG-410223FASBASW0	3	4	1.2	1.3	1.9	1.2	1.4	2.1	1.5	2.3	16.3	IE2	3)	4)	15.2	9.2	22	55	5)	400
ANG-410193ASBASW00	3	4	1.4	1.5	2	1.4	1.6	2.2	1.7	2.4	16.3	IE2	3)	4)	9.7	5.5	14	55	5)	400
ANG-410213ASBASW00	3	4	1.2	1.4	1.9	1.3	1.5	2.1	1.6	2.3	16.3	IE2	3)	4)	12.5	7.5	18	55	5)	400
ANG-410223ASBASW00	3	4	1.2	1.3	1.9	1.2	1.4	2.1	1.5	2.3	16.3	IE2	3)	4)	15.2	9.2	22	55	5)	400
ANG-410234ASBASW00	4	4	1.1	1.3	1.8	1.1	1.3	1.9	1.4	2.1	19	IE2	3)	4)	17.3	11	25	55	5)	400
ANG-410254ASBASW00	4	4	1	1.2	1.7	1	1.3	1.9	1.3	2.1	19	IE2	3)	4)	22.2	15	32	55	5)	400

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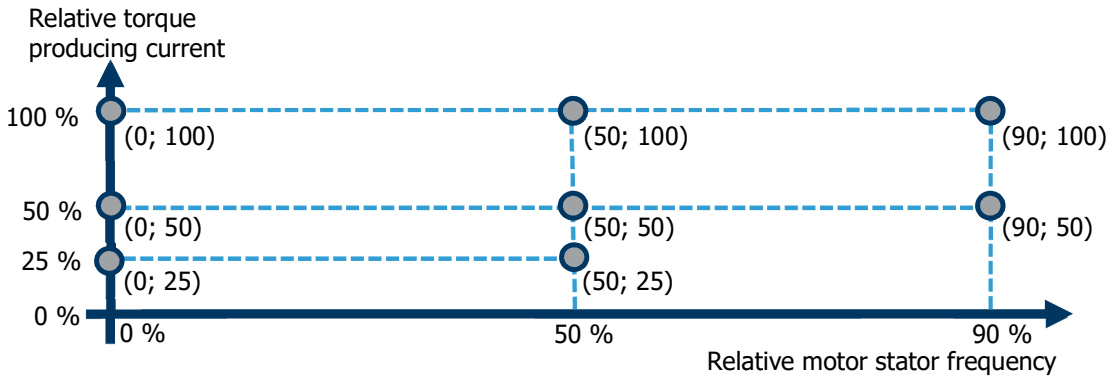

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			Power losses Relative [%] 2)																	
Device 1)	Frame Size	f_{PWM} [kHz]	(0;25)	(0;50)	(0;100)	(50;25)	(50;50)	(50;100)	(90;50)	(90;100)	$P_{Loss\ Standby}$ [W]	IE class	Manufacturer	Model ID	S_{rated} [kVA]	P_{rated} [kW]	I_{rated} [A]	Max. T [°C]	f_{supply} [Hz] 5)	V_{supply} [V] 6)
ANG-410275ASBASW00	5	4	0.9	1	1.5	0.9	1.1	1.6	1.2	1.8	28.7	IE2	3)	4)	27.7	18.5	40	55	5)	400
ANG-410295ASBASW00	5	4	0.9	1	1.5	0.9	1.1	1.6	1.2	1.8	28.7	IE2	3)	4)	31.2	22	45	55	5)	400
ANG-410315ASBASW00	5	4	0.8	1	1.4	0.9	1	1.6	1.1	1.8	28.7	IE2	3)	4)	41.6	30	60	55	5)	400
ANG-410336ASBASW00	6	4	0.9	1.1	1.5	0.9	1.1	1.7	1.2	1.9	49	IE2	3)	4)	52	37	75	55	5)	400
ANG-410356ASBASW00	6	4	0.8	1	1.5	0.9	1.1	1.7	1.1	1.8	49	IE2	3)	4)	62.4	45	90	55	5)	400
ANG-410376ASBASW00	6	4	0.8	1	1.5	0.8	1	1.6	1.1	1.8	49	IE2	3)	4)	76.2	55	110	55	5)	400
ANG-410396ASBASW00	6	4	0.8	1	1.5	0.8	1	1.6	1.1	1.8	49	IE2	3)	4)	86.6	65	125	55	5)	400
ANG-410437ASBASW00	7	4	0.7	0.9	1.3	0.7	0.9	1.5	1	1.7	49.5	IE2	3)	4)	104	75	150	55	5)	400
ANG-410457ASBASW00	7	2	0.5	0.6	1	0.5	0.7	1.1	0.8	1.3	49.5	IE2	3)	4)	125	90	180	55	5)	400
ANG-410477ASBASW00	7	2	0.5	0.6	1	0.5	0.7	1.2	0.8	1.4	49.5	IE2	3)	4)	145	110	210	55	5)	400
ANG-410497ASBASW00	7	2	0.5	0.6	1.1	0.5	0.7	1.2	0.8	1.4	49.5	IE2	3)	4)	173	132	250	55	5)	400
ANG-410517ASBASW00	7	2	0.5	0.6	1.1	0.5	0.7	1.2	0.8	1.4	49.5	IE2	3)	4)	211	160	305	55	5)	400
ANG-410518ASBASW00	8	2	0.5	0.6	0.9	0.5	0.7	1.1	0.7	1.3	81	IE2	3)	4)	211	160	305	55	5)	400
ANG-410538ASBASW00	8	2	0.5	0.6	1	0.5	0.7	1.1	0.7	1.3	81	IE2	3)	4)	263	200	380	55	5)	400
ANG-410558ASBASW00	8	2	0.5	0.6	1	0.5	0.7	1.1	0.7	1.3	81	IE2	3)	4)	329	250	475	55	5)	400
ANG-410578ASBASW00	8	2	0.5	0.6	1	0.5	0.7	1.2	0.7	1.3	81	IE2	3)	4)	412	315	595	55	5)	400
ANG-410598ASBASW00	8	2	0.5	0.6	1	0.5	0.7	1.2	0.7	1.3	81	IE2	3)	4)	447	355	645	55	5)	400
ANG-410618ASBASW00	8	2	0.5	0.6	1.1	0.5	0.7	1.2	0.7	1.4	81	IE2	3)	4)	509	400	735	55	5)	400

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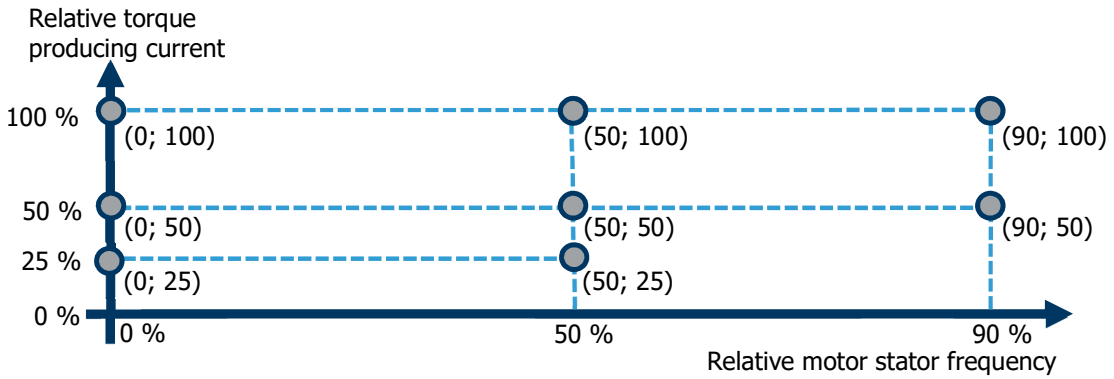

(D)			(1)									(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			Power losses Relative [%] 2)																	
Device 1)	Frame Size	f_{PWM} [kHz]	(0;25)	(0;50)	(0;100)	(50;25)	(50;50)	(50;100)	(90;50)	(90;100)	$P_{Loss\ Standby}$ [W]	IE class	Manufacturer	Model ID	S_{rated} [kVA]	P_{rated} [kW]	I_{rated} [A]	Max. T [°C]	f_{supply} [Hz] 5)	V_{supply} [V] 6)
ANG-410011FCSBASW0	1	4	2.8	2.8	3	2.9	2.9	3.1	3	3.2	10	IE2	3)	4)	0.69	0.25	1	55	5)	400
ANG-410031FCSBASW0	1	4	2	2	2.1	2	2.1	2.3	2.1	2.4	10	IE2	3)	4)	1.1	0.37	1.6	55	5)	400
ANG-410051FCSBASW0	1	4	1.8	1.8	2	1.9	1.9	2.1	2	2.2	10	IE2	3)	4)	1.2	0.55	1.8	55	5)	400
ANG-410071FCSBASW0	1	4	1.3	1.4	1.7	1.4	1.5	1.8	1.6	2	10	IE2	3)	4)	1.7	0.75	2.4	55	5)	400
ANG-410091FCSBASW0	1	4	1.1	1.2	1.5	1.1	1.3	1.6	1.4	1.8	10	IE2	3)	4)	2.2	1.1	3.2	55	5)	400
ANG-410111FCSBASW0	1	4	1	1.1	1.4	1	1.2	1.5	1.3	1.7	10	IE2	3)	4)	2.6	1.5	3.8	55	5)	400
ANG-410122FCSBASW0	2	4	1	1.1	1.4	1	1.2	1.5	1.2	1.6	11.7	IE2	3)	4)	2.9	1.85	4.2	55	5)	400
ANG-410132FCSBASW0	2	4	0.9	1	1.3	0.9	1.1	1.4	1.1	1.5	11.7	IE2	3)	4)	4	2.2	5.8	55	5)	400
ANG-410152FCSBASW0	2	4	0.8	0.9	1.2	0.9	1	1.4	1.1	1.5	11.7	IE2	3)	4)	5.4	3	7.8	55	5)	400
ANG-410182FCSBASW0	2	4	0.8	0.9	1.2	0.8	1	1.4	1.1	1.5	11.7	IE2	3)	4)	6.2	4	9	55	5)	400
ANG-410193FCSBASW0	3	4	1	1.2	1.7	1.1	1.3	1.9	1.4	2.1	16.3	IE2	3)	4)	9.7	5.5	14	55	5)	400
ANG-410213FCSBASW0	3	4	0.9	1.1	1.6	1	1.2	1.8	1.2	2	16.3	IE2	3)	4)	12.5	7.5	18	55	5)	400
ANG-410223FCSBASW0	3	4	0.8	1	1.6	0.9	1.1	1.8	1.2	2	16.3	IE2	3)	4)	15.2	9.2	22	55	5)	400
ANG-410193CSBASW00	3	4	1	1.2	1.7	1.1	1.3	1.9	1.4	2.1	16.3	IE2	3)	4)	9.7	5.5	14	55	5)	400
ANG-410213CSBASW00	3	4	0.9	1.1	1.6	1	1.2	1.8	1.2	2	16.3	IE2	3)	4)	12.5	7.5	18	55	5)	400
ANG-410223CSBASW00	3	4	0.8	1	1.6	0.9	1.1	1.8	1.2	2	16.3	IE2	3)	4)	15.2	9.2	22	55	5)	400

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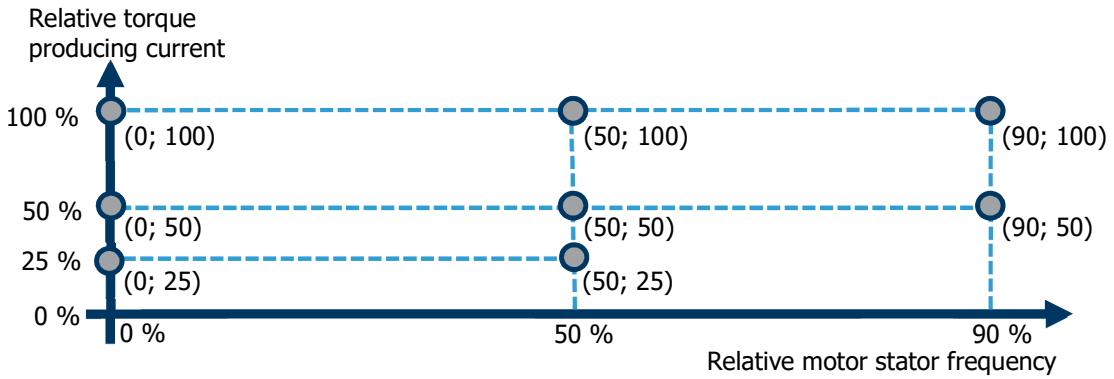
2) Relative power losses relate to the Nominal Apparent power.
3) Manufacturer: Bonfiglioli Deutschland GmbH Europark Fichtenhain B6
Register Court Neuss,HRB 9981 D-47807 Krefeld
4) See column (D) Device
5) f_{supply} : 50/60 Hz (±10 %)
6) V_{supply} : 400: AC 3~320…480 (+10%) V 230: AC 3~184…240 V (+10 %) 525: AC 3~525 V 690: AC 3~690 V

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)
ANG-410234CSBASW00	4	4	0.8	1	1.5	0.8	1	1.6	1.1	1.8	19	IE2	3)	4)	17.3	11	25	55	5)	400
ANG-410254CSBASW00	4	4	0.7	0.9	1.4	0.8	1	1.6	1.1	1.8	19	IE2	3)	4)	22.2	15	32	55	5)	400
ANG-410275CSBASW00	5	4	0.6	0.8	1.2	0.7	0.9	1.4	0.9	1.6	28.7	IE2	3)	4)	27.7	18.5	40	55	5)	400
ANG-410295CSBASW00	5	4	0.6	0.8	1.2	0.6	0.8	1.4	0.9	1.6	28.7	IE2	3)	4)	31.2	22	45	55	5)	400
ANG-410315CSBASW00	5	4	0.6	0.7	1.2	0.6	0.8	1.4	0.9	1.6	28.7	IE2	3)	4)	41.6	30	60	55	5)	400

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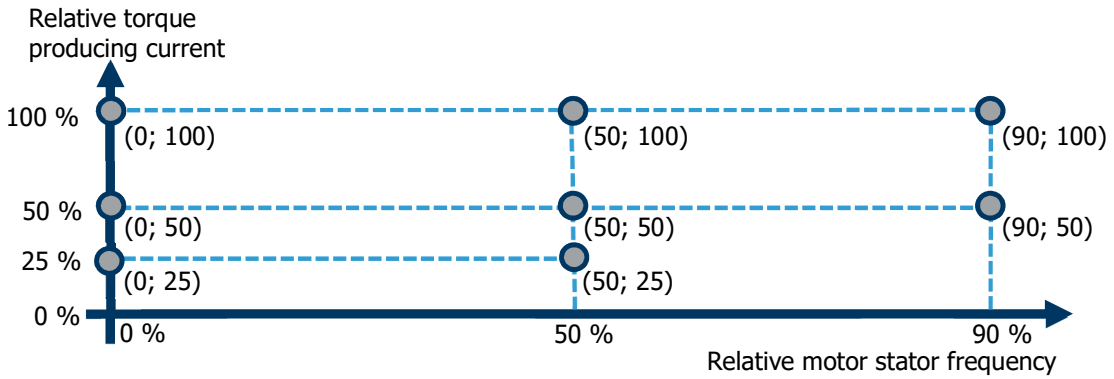
3) Manufacturer: Bonfiglioli Deutschland GmbH Europark Fichtenhain B6
Register Court Neuss,HRB 9981 D-47807 Krefeld
4) See column (D) Device
5) f_{supply} : 50/60 Hz (±10 %)
6) V_{supply} : 400: AC 3~320…480 (+10%) V 230: AC 3~184…240 V (+10 %) 525: AC 3~525 V 690: AC 3~690 V

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)
ANG-410275LSBASW00	5	4	0.6	0.8	1.2	0.7	0.9	1.4	0.9	1.6	28.7	IE2	3)	4)	27.7	18.5	40	55	5)	400
ANG-410295LSBASW00	5	4	0.6	0.8	1.2	0.6	0.8	1.4	0.9	1.6	28.7	IE2	3)	4)	31.2	22	45	55	5)	400
ANG-410315LSBASW00	5	4	0.6	0.7	1.2	0.6	0.8	1.4	0.9	1.6	28.7	IE2	3)	4)	41.6	30	60	55	5)	400
ANG-410336LSBASW00	6	4	0.6	0.8	1.3	0.7	0.9	1.4	0.9	1.6	49	IE2	3)	4)	52	37	75	55	5)	400
ANG-410356LSBASW00	6	4	0.6	0.7	1.3	0.6	0.8	1.4	0.9	1.6	49	IE2	3)	4)	62.4	45	90	55	5)	400
ANG-410376LSBASW00	6	4	0.6	0.7	1.2	0.6	0.8	1.4	0.9	1.6	49	IE2	3)	4)	76.2	55	110	55	5)	400
ANG-410396LSBASW00	6	4	0.5	0.7	1.3	0.6	0.8	1.4	0.8	1.6	49	IE2	3)	4)	86.6	65	125	55	5)	400
ANG-410437LSBASW00	7	4	0.5	0.6	1.1	0.5	0.7	1.3	0.8	1.4	49.5	IE2	3)	4)	104	75	150	55	5)	400
ANG-410457LSBASW00	7	2	0.3	0.4	0.8	0.4	0.5	1	0.6	1.1	49.5	IE2	3)	4)	125	90	180	55	5)	400
ANG-410477LSBASW00	7	2	0.3	0.4	0.8	0.3	0.5	1	0.6	1.2	49.5	IE2	3)	4)	145	110	210	55	5)	400
ANG-410497LSBASW00	7	2	0.3	0.4	0.9	0.3	0.5	1	0.6	1.2	49.5	IE2	3)	4)	173	132	250	55	5)	400
ANG-410517LSBASW00	7	2	0.3	0.4	0.9	0.3	0.5	1	0.6	1.2	49.5	IE2	3)	4)	211	160	305	55	5)	400
ANG-410518LSBASW00	8	2	0.3	0.4	0.8	0.3	0.5	0.9	0.6	1.1	81	IE2	3)	4)	211	160	305	55	5)	400
ANG-410538LSBASW00	8	2	0.3	0.4	0.8	0.3	0.5	0.9	0.5	1.1	81	IE2	3)	4)	263	200	380	55	5)	400
ANG-410558LSBASW00	8	2	0.3	0.4	0.8	0.3	0.5	1	0.6	1.2	81	IE2	3)	4)	329	250	475	55	5)	400
ANG-410578LSBASW00	8	2	0.3	0.4	0.8	0.3	0.5	1	0.5	1.1	81	IE2	3)	4)	412	315	595	55	5)	400
ANG-410598LSBASW00	8	2	0.3	0.4	0.8	0.3	0.5	1	0.5	1.2	81	IE2	3)	4)	447	355	645	55	5)	400
ANG-410618LSBASW00	8	2	0.3	0.4	0.9	0.3	0.5	1	0.6	1.2	81	IE2	3)	4)	509	400	735	55	5)	400

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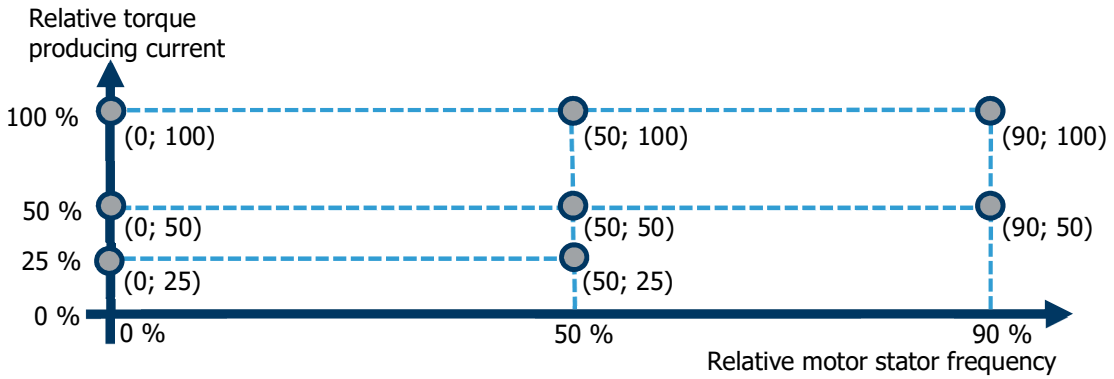
Inverter data according to EU regulation 2019/1781



(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)
ANG-510518ASBASW00	8	2	0.4	0.5	0.8	0.4	0.6	0.9	0.6	1	81	IE2	3)	4)	209	160	230	55	5)	525
ANG-510538ASBASW00	8	2	0.4	0.5	0.8	0.4	0.5	0.9	0.6	1	81	IE2	3)	4)	264	200	290	55	5)	525
ANG-510558ASBASW00	8	2	0.4	0.5	0.8	0.4	0.5	0.9	0.6	1.1	81	IE2	3)	4)	327	250	360	55	5)	525
ANG-510578ASBASW00	8	2	0.4	0.5	0.8	0.4	0.5	0.9	0.6	1	81	IE2	3)	4)	409	315	450	55	5)	525
ANG-510598ASBASW00	8	2	0.4	0.5	0.8	0.4	0.5	0.9	0.6	1	81	IE2	3)	4)	446	355	490	55	5)	525
ANG-510618ASBASW00	8	2	0.4	0.5	0.8	0.4	0.5	0.9	0.6	1.1	81	IE2	3)	4)	509	400	560	55	5)	525
ANG-510518LSBASW00	8	2	0.3	0.4	0.6	0.3	0.4	0.7	0.5	0.9	81	IE2	3)	4)	209	160	230	55	5)	525
ANG-510538LSBASW00	8	2	0.2	0.3	0.6	0.3	0.4	0.8	0.4	0.9	81	IE2	3)	4)	264	200	290	55	5)	525
ANG-510558LSBASW00	8	2	0.2	0.3	0.7	0.3	0.4	0.8	0.4	0.9	81	IE2	3)	4)	327	250	360	55	5)	525
ANG-510578LSBASW00	8	2	0.2	0.3	0.7	0.3	0.4	0.8	0.4	0.9	81	IE2	3)	4)	409	315	450	55	5)	525
ANG-510598LSBASW00	8	2	0.2	0.3	0.7	0.3	0.4	0.8	0.4	0.9	81	IE2	3)	4)	446	355	490	55	5)	525
ANG-510618LSBASW00	8	2	0.2	0.3	0.7	0.3	0.4	0.8	0.4	0.9	81	IE2	3)	4)	509	400	560	55	5)	525

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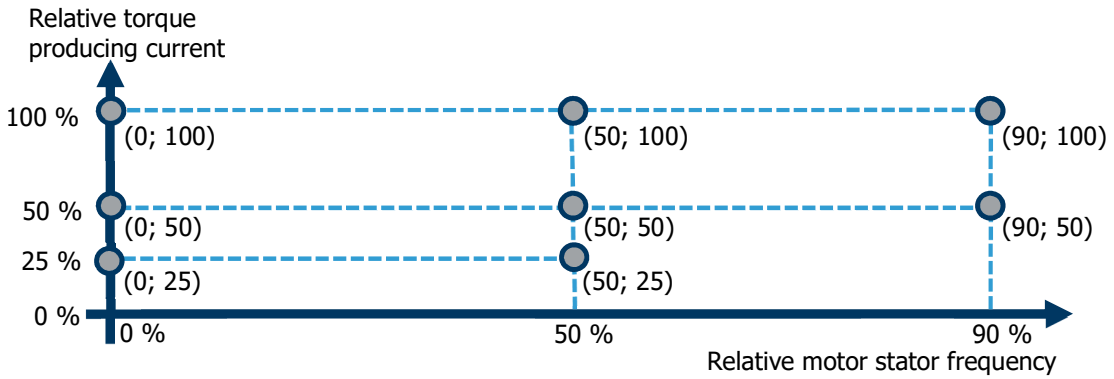

(D)			(1)									(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			Power losses Relative [%] 2)																	
Device 1)	Frame Size	f_{PWM} [kHz]	(0;25)	(0;50)	(0;100)	(50;25)	(50;50)	(50;100)	(90;50)	(90;100)	$P_{Loss\ Standby}$ [W]	IE class	Manufacturer	Model ID	S_{rated} [kVA]	P_{rated} [kW]	I_{rated} [A]	Max. T [°C]	f_{supply} [Hz] 5)	V_{supply} [V] 6)
ANG-610518ASBASW00	8	2	0.5	0.5	0.8	0.5	0.6	0.9	0.6	1	81	IE2	3)	4)	215	160	180	55	5)	690
ANG-610538ASBASW00	8	2	0.4	0.5	0.8	0.4	0.6	0.9	0.6	1	81	IE2	3)	4)	275	200	230	55	5)	690
ANG-610558ASBASW00	8	2	0.4	0.5	0.8	0.4	0.5	0.9	0.6	1	81	IE2	3)	4)	335	250	280	55	5)	690
ANG-610578ASBASW00	8	2	0.4	0.5	0.8	0.4	0.5	0.9	0.6	1	81	IE2	3)	4)	418	315	350	55	5)	690
ANG-610598ASBASW00	8	2	0.4	0.5	0.8	0.4	0.5	0.9	0.6	1	81	IE2	3)	4)	478	355	400	55	5)	690
ANG-610618ASBASW00	8	2	0.4	0.5	0.8	0.4	0.5	0.9	0.6	1.1	81	IE2	3)	4)	538	400	450	55	5)	690
ANG-610518LSBASW00	8	2	0.3	0.4	0.7	0.3	0.5	0.8	0.5	0.8	81	IE2	3)	4)	215	160	180	55	5)	690
ANG-610538LSBASW00	8	2	0.3	0.4	0.7	0.3	0.4	0.8	0.5	0.8	81	IE2	3)	4)	275	200	230	55	5)	690
ANG-610558LSBASW00	8	2	0.3	0.4	0.7	0.3	0.4	0.8	0.5	0.9	81	IE2	3)	4)	335	250	280	55	5)	690
ANG-610578LSBASW00	8	2	0.3	0.4	0.7	0.3	0.4	0.8	0.4	0.9	81	IE2	3)	4)	418	315	350	55	5)	690
ANG-610598LSBASW00	8	2	0.3	0.4	0.7	0.3	0.4	0.8	0.4	0.9	81	IE2	3)	4)	478	355	400	55	5)	690
ANG-610618LSBASW00	8	2	0.2	0.4	0.7	0.3	0.4	0.8	0.4	0.9	81	IE2	3)	4)	538	400	450	55	5)	690

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