# 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

## ACU210 / ACU410 / ACU510 / ACU610

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)<br><br>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) ACU210 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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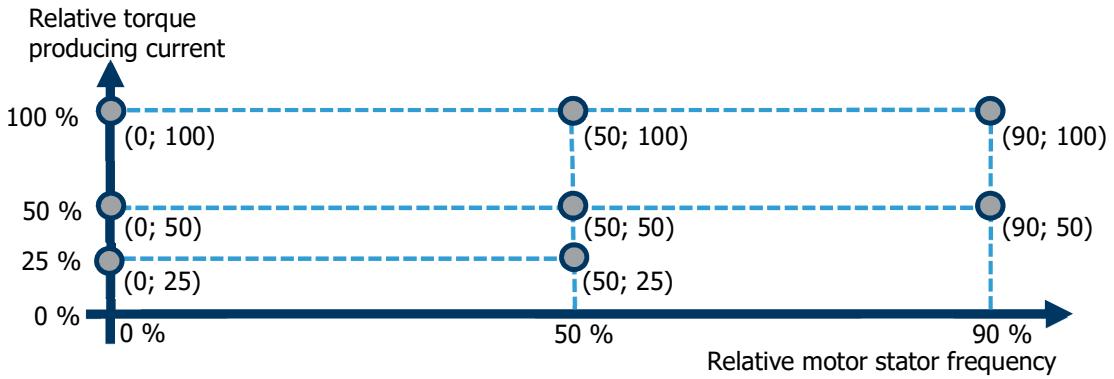


| (D) | | | (1) | | | | | | | | | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Power losses Relative [%] 2) | | | | | | | | | | | | | | | | | |
| Device 1) | Frame Size | $f_{PWM}$ [kHz] | (0;25) | (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) |
| ACU-210011FASBXSW0 | 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 |
| ACU-210031FASBXSW0 | 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 |
| ACU-210051FASBXSW0 | 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 |
| ACU-210071FASBXSW0 | 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 |
| ACU-210091FASBXSW0 | 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 |
| ACU-210112FASBXSW0 | 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 |
| ACU-210132FASBXSW0 | 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 |
| ACU-210152FASBXSW0 | 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 |
| ACU-210183FASBXSW0 | 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 |
| ACU-210193FASBXSW0 | 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 |
| ACU-210214ASBXSW00 | 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 |
| ACU-210224ASBXSW00 | 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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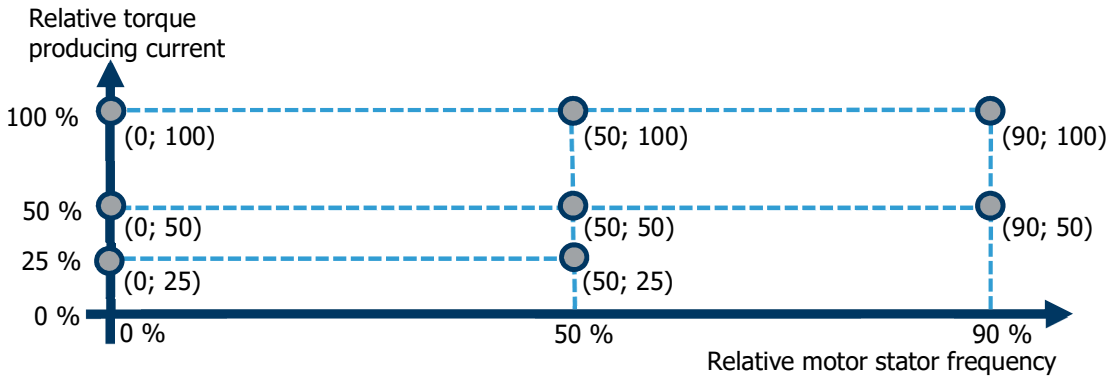


| (D) | | | (1) | | | | | | | | | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Power losses Relative [%] 2) | | | | | | | | | | | | | | | | | |
| Device 1) | Frame Size | $f_{PWM}$ [kHz] | (0;25) | (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) |
| ACU-210011FCSBXSW0 | 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 |
| ACU-210031FCSBXSW0 | 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 |
| ACU-210051FCSBXSW0 | 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 |
| ACU-210071FCSBXSW0 | 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 |
| ACU-210091FCSBXSW0 | 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 |
| ACU-210112FCSBXSW0 | 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 |
| ACU-210132FCSBXSW0 | 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 |
| ACU-210152FCSBXSW0 | 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 |
| ACU-210183FCSBXSW0 | 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 |
| ACU-210193FCSBXSW0 | 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 |
| ACU-210214CSBXSW00 | 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 |
| ACU-210224CSBXSW00 | 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.
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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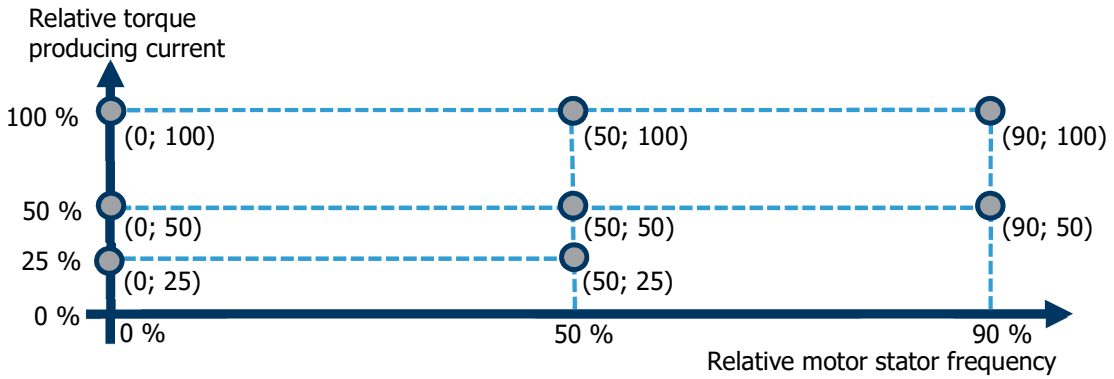


| (D) | | | (1) | | | | | | | | | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Power losses Relative [%] 2) | | | | | | | | | | | | | | | | | |
| Device 1) | Frame Size | $f_{PWM}$ [kHz] | (0;25) | (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) |
| ACU-410011FASBXSW0 | 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 |
| ACU-410031FASBXSW0 | 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 |
| ACU-410051FASBXSW0 | 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 |
| ACU-410071FASBXSW0 | 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 |
| ACU-410091FASBXSW0 | 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 |
| ACU-410111FASBXSW0 | 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 |
| ACU-410122FASBXSW0 | 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 |
| ACU-410132FASBXSW0 | 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 |
| ACU-410152FASBXSW0 | 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 |
| ACU-410182FASBXSW0 | 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 |
| ACU-410193FASBXSW0 | 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 |
| ACU-410213FASBXSW0 | 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 |
| ACU-410223FASBXSW0 | 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 |
| ACU-410193ASBXSW00 | 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 |
| ACU-410213ASBXSW00 | 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 |
| ACU-410223ASBXSW00 | 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 |
| ACU-410234ASBXSW00 | 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 |
| ACU-410254ASBXSW00 | 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 |

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 %)
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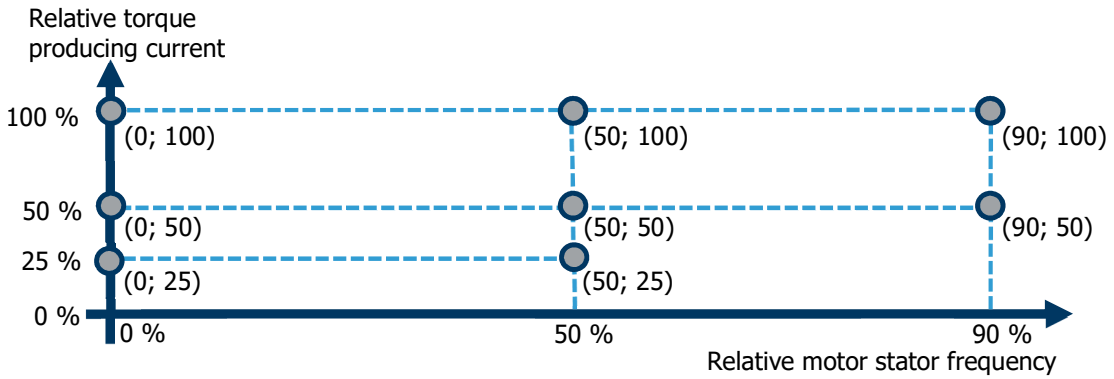
# Inverter data according to EU regulation 2019/1781




| (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) |
| ACU-410275ASBXSW00 | 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 |
| ACU-410295ASBXSW00 | 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 |
| ACU-410315ASBXSW00 | 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 |
| ACU-410336ASBXSW00 | 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 |
| ACU-410356ASBXSW00 | 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 |
| ACU-410376ASBXSW00 | 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 |
| ACU-410396ASBXSW00 | 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 |
| ACU-410437ASBXSW00 | 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 |
| ACU-410457ASBXSW00 | 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 |
| ACU-410477ASBXSW00 | 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 |
| ACU-410497ASBXSW00 | 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 |
| ACU-410517ASBXSW00 | 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 |
| ACU-410518ASBXSW00 | 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 |
| ACU-410538ASBXSW00 | 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 |
| ACU-410558ASBXSW00 | 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 |
| ACU-410578ASBXSW00 | 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 |
| ACU-410598ASBXSW00 | 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 |
| ACU-410618ASBXSW00 | 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 |

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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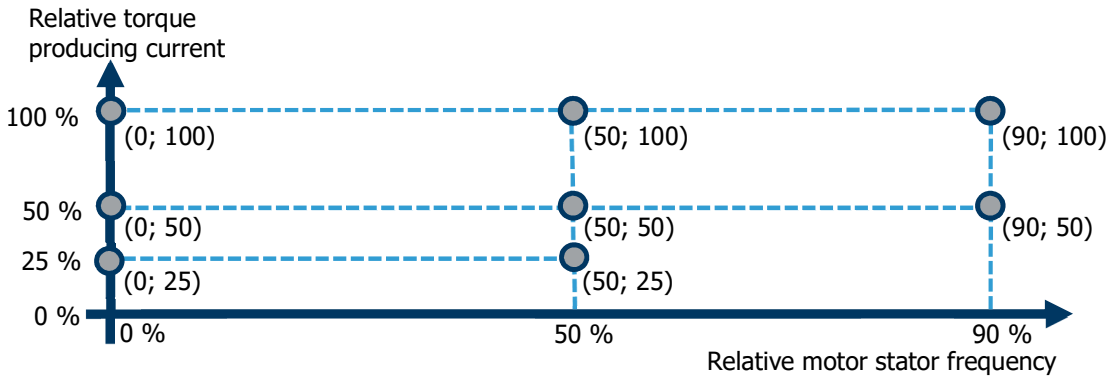
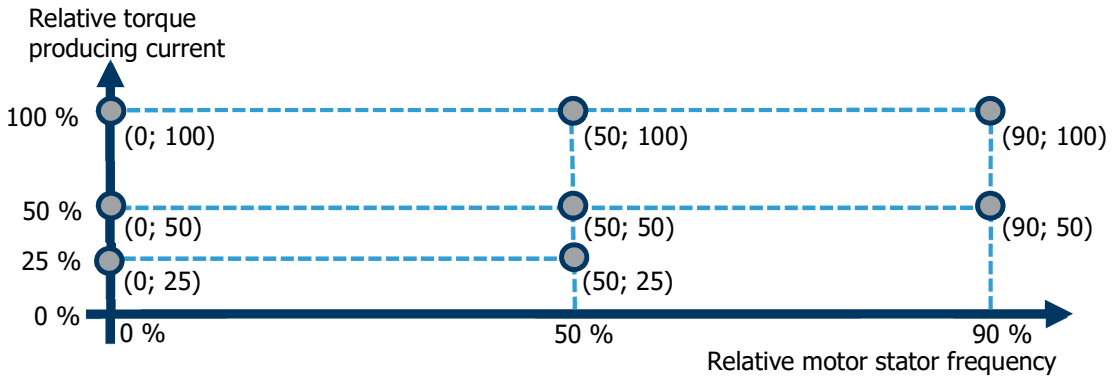



| (D) | | | (1) | | | | | | | | | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Power losses Relative [%] 2) | | | | | | | | | | | | | | | | | |
| Device 1) | Frame Size | $f_{PWM}$ [kHz] | (0;25) | (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) |
| ACU-410011FCSBXSW0 | 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 |
| ACU-410031FCSBXSW0 | 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 |
| ACU-410051FCSBXSW0 | 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 |
| ACU-410071FCSBXSW0 | 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 |
| ACU-410091FCSBXSW0 | 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 |
| ACU-410111FCSBXSW0 | 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 |
| ACU-410122FCSBXSW0 | 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 |
| ACU-410132FCSBXSW0 | 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 |
| ACU-410152FCSBXSW0 | 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 |
| ACU-410182FCSBXSW0 | 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 |
| ACU-410193FCSBXSW0 | 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 |
| ACU-410213FCSBXSW0 | 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 |
| ACU-410223FCSBXSW0 | 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 |
| ACU-410193CSBXSW00 | 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 |
| ACU-410213CSBXSW00 | 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 |
| ACU-410223CSBXSW00 | 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 |

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

# 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) |
| ACU-410234CSBXSW00 | 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 |
| ACU-410254CSBXSW00 | 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 |
| ACU-410275CSBXSW00 | 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 |
| ACU-410295CSBXSW00 | 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 |
| ACU-410315CSBXSW00 | 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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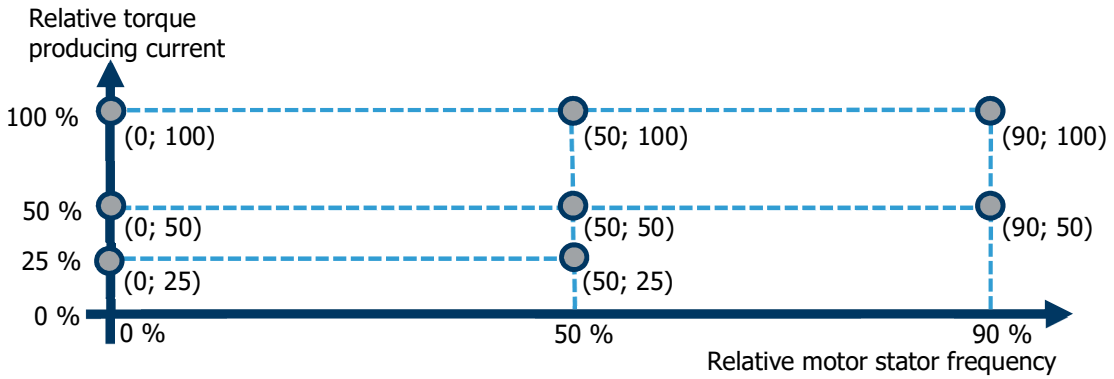
3) Manufacturer: Bonfiglioli Deutschland GmbH Europark Fichtenhain B6
Register Court Neuss,HRB 9981 D-47807 Krefeld
4) See column (D) Device
5) $f_{supply}$ : 50/60 Hz (±10 %)
6) $V_{supply}$ : 400: AC 3~320…480 (+10%) V 230: AC 3~184…240 V (+10 %) 525: AC 3~525 V 690: AC 3~690 V

# 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) |
| ACU-410275LSBXSW00 | 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 |
| ACU-410295LSBXSW00 | 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 |
| ACU-410315LSBXSW00 | 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 |
| ACU-410336LSBXSW00 | 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 |
| ACU-410356LSBXSW00 | 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 |
| ACU-410376LSBXSW00 | 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 |
| ACU-410396LSBXSW00 | 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 |
| ACU-410437LSBXSW00 | 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 |
| ACU-410457LSBXSW00 | 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 |
| ACU-410477LSBXSW00 | 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 |
| ACU-410497LSBXSW00 | 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 |
| ACU-410517LSBXSW00 | 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 |
| ACU-410518LSBXSW00 | 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 |
| ACU-410538LSBXSW00 | 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 |
| ACU-410558LSBXSW00 | 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 |
| ACU-410578LSBXSW00 | 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 |
| ACU-410598LSBXSW00 | 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 |
| ACU-410618LSBXSW00 | 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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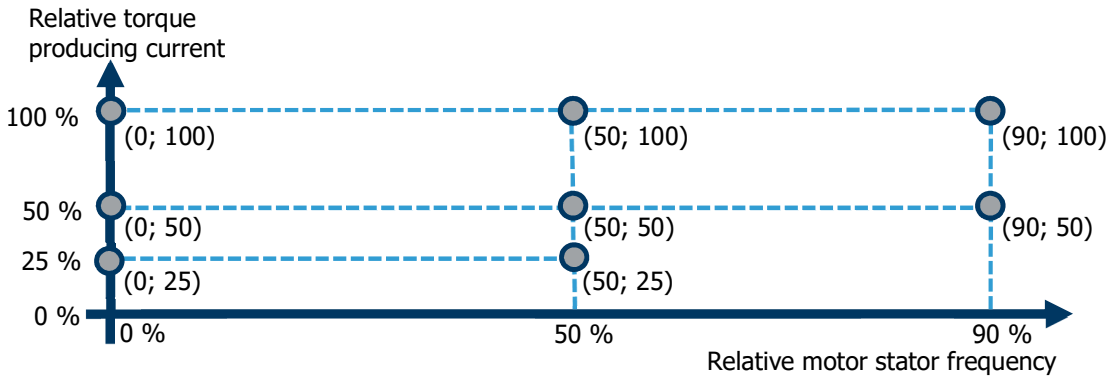
Register Court Neuss,HRB 9981 D-47807 Krefeld
4) See column (D) Device
5) $f_{supply}$ : 50/60 Hz (±10 %)
6) $V_{supply}$ : 400: AC 3~320…480 (+10%) V 230: AC 3~184…240 V (+10 %) 525: AC 3~525 V 690: AC 3~690 V

# 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) |
| ACU-510518ASBXSW00 | 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 |
| ACU-510538ASBXSW00 | 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 |
| ACU-510558ASBXSW00 | 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 |
| ACU-510578ASBXSW00 | 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 |
| ACU-510598ASBXSW00 | 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 |
| ACU-510618ASBXSW00 | 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 |
| ACU-510518LSBXSW00 | 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 |
| ACU-510538LSBXSW00 | 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 |
| ACU-510558LSBXSW00 | 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 |
| ACU-510578LSBXSW00 | 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 |
| ACU-510598LSBXSW00 | 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 |
| ACU-510618LSBXSW00 | 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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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 %)
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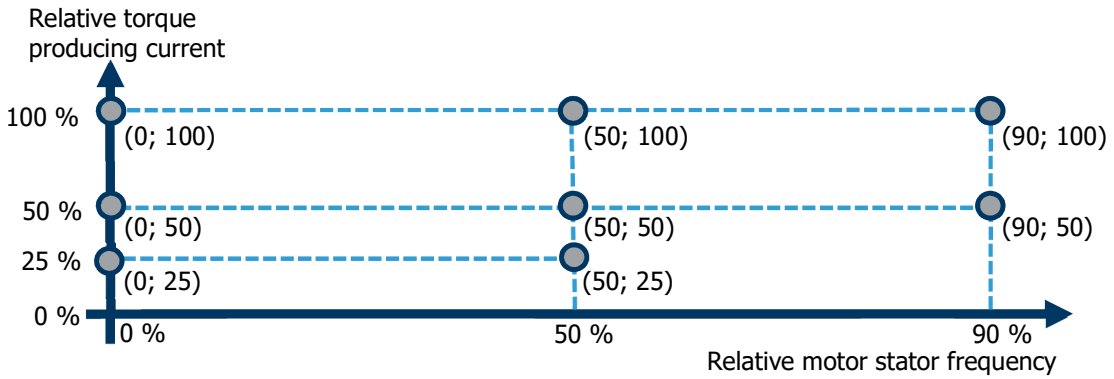
# Inverter data according to EU regulation 2019/1781




| (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) |
| ACU-610518ASBXSW00 | 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 |
| ACU-610538ASBXSW00 | 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 |
| ACU-610558ASBXSW00 | 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 |
| ACU-610578ASBXSW00 | 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 |
| ACU-610598ASBXSW00 | 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 |
| ACU-610618ASBXSW00 | 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 |
| ACU-610518LSBXSW00 | 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 |
| ACU-610538LSBXSW00 | 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 |
| ACU-610558LSBXSW00 | 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 |
| ACU-610578LSBXSW00 | 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 |
| ACU-610598LSBXSW00 | 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 |
| ACU-610618LSBXSW00 | 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 |

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.
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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