

The new b maXX 5000 side-by-side converter generation has an integrated Drive Connect- System: individual modules can be easily added or removed without having to break up the entire drive group. The standard-setting control quality is maintained at all times.

With the newly developed b maXX 5000 drive generation, Baumüller continues to set trends. The strategic development of the successful b maXX series to encompass side-by-side technology is a success due to high-performance power units with the cooling type air and cold plate, flexible expansion capability, and integration into a universal communication concept. Both standardized and complex automation solutions are possible with the new converters and controllers in the 1 to 35 kW power range. The requirements for machines and plants in terms of future-proofing, flexible expansion capability, and easy adaptation to production process changes were taken into consideration early on in the b maXX 5000 development process.

b maXX 5000 – Integrated safety concept instead of add-on solution



Plug-in module, optionally with or without safety functions
 Three different safety modules with scalable functionality
 All modules with integrated parameter memory
 Safety functions according to IEC 61800-5-2
 Power output for motor brake
 Choice of safety functions via local safe I/O or EtherCAT FSoE

Mains rectifier unit		DC link power		DC link peak power ¹⁾		Overload factor	Dimensions air WxHxD [mm]	Dimensions cold plate WxHxD [mm]
Frame size	Type	[kW]	[hp]	[kW]	[hp]			
3	5031	10	13,4	15	20,1	1,5	75 x 395 x 280	75 x 405 x 210
3	5032	18	24,1	27	36,2	1,5	75 x 395 x 280	75 x 405 x 210
4	5043	36	48,2	52	69,7	1,4	100 x 395 x 280	75 x 405 x 210
4	5044	70	93,8	70	93,8	1,0	100 x 395 x 280	75 x 405 x 210
Active Mains regenerative feedback unit		DC link power		DC link peak power ¹⁾		Overload factor	Dimensions air WxHxD [mm]	Dimensions cold plate WxHxD [mm]

Frame size	Type	[kW]	[hp]	[kW]	[hp]			
4	5143 *	36	48,2	52	69,7	1,4	100 x 395 x 280	100 x 405 x 210
7	5174 *	64	87	96	130,2	1,5	175 x 395 x 280	100 x 405 x 210
Axis units		I N	I MAX	Typical motor power 1)		Overload factor	Dimensions air WxHxD [mm]	Dimensions cold plate WxHxD [mm]
Frame size	Type	[A]	[A]	[kW]	[hp]			
2	5323	2 x 3	2 x 9	2 x 1,6	2 x 2,1	3	50 x 395 x 280	50 x 405 x 210
2	5325	2 x 6	2 x 18	2 x 3,2	2 x 4,2	3	50 x 395 x 280	50 x 405 x 210
2	5326	12	24	6,5	8,7	2	50 x 395 x 280	50 x 405 x 210
2	5327	20	40	10,8	14,5	2	50 x 395 x 280	50 x 405 x 210
2	5328	30	60	16,2	21,7	2	50 x 395 x 280	50 x 405 x 210
3	5331*	2 x 12	2 x 24	2 x 6,5	2 x 8,7	2	75 x 405 x 280	75 x 405 x 210
3	5332*	2 x 20	2 x 40	2 x 10,8	2 x 14,5	2	75 x 405 x 280	75 x 405 x 210
3	5333*	2 x 30	2 x 60	2 x 16,2	2 x 21,7	2	75 x 405 x 280	75 x 405 x 210
3	5334	40	60	21,6	29,0	1,5	75 x 395 x 280	75 x 405 x 210
3	5335	60	90	32,4	43,4	1,5	75 x 395 x 280	75 x 405 x 210

Mains rectifier unit, Active mains regenerative feedback unit:

Supply voltage: 207 V - 528 V +/- 0% AC
Supply frequency: 50/60 Hz
Electronics supply: external 24 V DC

Axis units:

Electronics supply: external 24 V DC
DC link voltage: 540 V rated voltage
Clock frequency: 4/8 kHz

Rated supply voltage	400 V	Certification	CE, cUL *
Rated DC link voltage:	540 V (Mains rectifier unit) 640 V (Active mains regenerative feedback unit)	1) For 150 seconds	2) Load cycles acc. to EN 61800
Certification:	CE, cUL *	* Available soon	Subject to change