

MODULAR SERVO DRIVES

For this purpose, Bosch Rexroth has developed the world's most compact modular drive system: ctrlX DRIVE. Be it as an entry-level or high-end variant: The system enables the rapid implementation of economical individual solutions that grow with the requirements. The drive system covers both simple single-axis applications and complex multi-axis machine systems. All system components can be freely combined by the user.

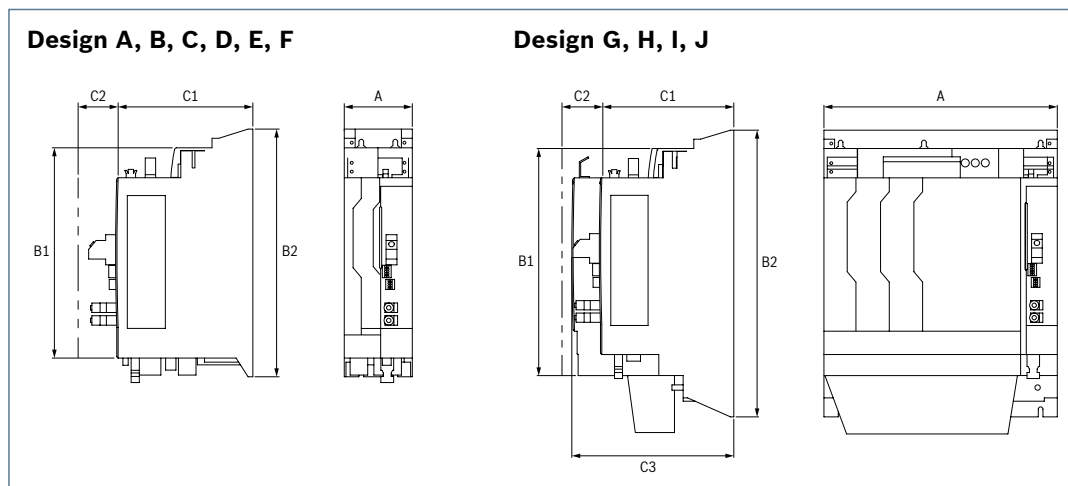
You can find more information at: www.ctrlx-automation.com/ctrlx-drive

[Configurator](#)

[Community](#)

[Contact](#)

Dimensions



Design	Unit	A	B	C	D	E	F	G	H	I	J
A	mm	50	75	100	125	150	225	150	225	250	350
B1	mm	309	309	309	309	309	309	340.5	340.5	340.5	340.5
B2	mm	364	364	364	364	364	364	430	430	430	430
C1	mm	196.5	196.5	196.5	196.5	196.5	196.5	196.5	196.5	196.5	196.5
C2	mm	> 60	> 60	> 60	> 60	> 60	> 60	> 60	> 60	> 60	> 60
C3	mm	-	-	-	-	-	-	243	243	243	243



Control units

Communication	ctrlX DRIVE	ctrlX DRIVE ^{plus}
Multi Ethernet (Sercos III, EtherCat)	Standard	Standard

Inputs/Outputs	ctrlX DRIVE	ctrlX DRIVE ^{plus}
Digital inputs (which utilizable as touch probes)	5 (2)	5 (2)
Digital inputs/outputs (any configurable)	1	1
Analog inputs	1	1
Relay outputs (Ready to operate)	1	1

Encoder	ctrlX DRIVE	ctrlX DRIVE ^{plus}
AcuroLink	Standard	Standard
Multi Encoder (Resolver, Hiperface, EnDat 2.2, 1Vss)	Option	Option

Safety	ctrlX DRIVE	ctrlX DRIVE ^{plus}
STO	Standard	Standard
SafeMotion (SafetyLink, FSoE)	–	Option

Extensions	ctrlX DRIVE	ctrlX DRIVE ^{plus}
Digital/analog I/O extension	–	Option
ctrlX CORE	–	Option

Operation	ctrlX DRIVE	ctrlX DRIVE ^{plus}
Operating panel	Option	Option

Cycle times	ctrlX DRIVE	ctrlX DRIVE ^{plus}
Current control	62.5 µs	62.5 µs
Speed control	125 µs	125 µs
Position control	125 µs	125 µs

Runtime	ctrlX DRIVE	ctrlX DRIVE ^{plus}
ctrlX DRIVE Runtime	Standard	Standard
ctrlX DRIVE Runtime Productivity	Option	Option
Technology functions	–	Option
User IP	–	Option

[Configurator](#)

[Community](#)

[Contact](#)



The data specified above only serve to describe the product. No statements concerning a certain condition or suitability for a certain application can be derived from our information. The information given does not release the user from the obligation of own judgment and verification. It must be remembered that our products are subject to a natural process of wear and aging.

Power units

Single-axis converter XCS1

Design	Unit	A	C	D	F	H	J
Type		W0023	W0054 W0070	W0090	W0100 W0120	W0150 W0180	W0210 W0250 W0280 W0330 W0375
Peak current	A	23	54 - 70	90	100 - 120	150 - 180	210 - 375

Double-axis converter XCD1

Design	Unit	C
Type		W2323
Peak current	A	2 x 23

Single-axis inverter XMS1

Design	Unit	A	B	D	G	I
Type		W0006 W0010 W0016 W0023 W0030 W0036	W0054 W0070 W0090 W3030	W0100 W0120	W0150 W0180	W0210 W0250 W0280 W0300 W0375
Peak current	A	6 - 36	54 - 90	100 - 120	100 - 120	210 - 375

Double-axis inverter XMD1

Design	Unit	A	B	E
Type		W0606, W1010 W1616, W2323	W3636	W5454, W7070
Peak current	A	6 - 23	30 - 36	54 - 70

Feeding supply unit XVE1

Design	Unit	D	H	J
Type		W0030	W0075	W0120
DC bus continuous power	kW	30	75	120

Regenerative supply unit XVR1

Design	Unit	D	H	I	J
Type		W0019	W0048	W0072	W100
DC bus continuous power	kW	19	48	72	72 - 100

[Configurator](#)
[Community](#)
[Contact](#)


The data specified above only serve to describe the product. No statements concerning a certain condition or suitability for a certain application can be derived from our information. The information given does not release the user from the obligation of own judgment and verification. It must be remembered that our products are subject to a natural process of wear and aging.