




Drive	Input Voltage (VAC)	Output Voltage (VDC)	Max Current (ADC)	HP Rating @ 90/130 VDC Output	HP Rating @ 180 VDC Output	Enclosure	Reversing	Isolation	Field Supply (VDC)	Form Factor	UL 	CUL 	CE 
XL3025A	115/230	0-130 / 0-240	3	1/20 - 1/4	1/8 - 1/3	Chassis	*****	***	YES	1.05	YES	-	YES
C4XL3025	115/230	0-130 / 0-240	3	1/20 - 1/4	1/8 - 1/3	NEMA 4X	*****	***	YES	1.05	-	-	YES
XL3050A	115/230	0-130 / 0-240	5	1/8 - 1/2	1/4 - 1	Chassis	*****	***	YES	1.05	YES	-	YES
XL3200A	115/230	0-130 / 0-240	10**	1/4 - 1	1/2 - 2	Chassis	*****	***	YES	1.05	YES	-	YES
C4XL3200A	115/230	0-130 / 0-240	10	1/4 - 1	1/2 - 2	NEMA 4X	*****	***	YES	1.05	-	-	YES
XL3300A	115/230	0-130 / 0-240	15	1/4 - 1 1/2	1/2 - 3	Chassis	*****	***	YES	1.05	-	-	YES

** Heatsink number 223-0271 must be used when the output is above 5 Amps.
 *** Built in isolation is not available on the XL family of drives. Minarik Drives recommends using the MMXL-PCM (pg 13), PCMPX (pg 15) or PCM4 (pg 45)
 **** The field supply is rated at 1 Amp DC. A 50/100 VDC field is available with 115 VAC input, and a 100/200 VDC field is available with 230 VAC input.
 ***** See NRG-4Q Series (page 27) for a PWM Regenerative drive that can reverse on-the-fly.

Minarik's XL Series of pulse-width-modulated (PWM) variable-speed DC drives provide exceptional performance. They output nearly pure DC power to brush-type motors ranging from 1/20 to 3 HP. Drives accept 115 or 230 VAC input to output 0 to 130 or 240 VDC, respectively.

MOSFET power devices switch at a high frequency above the audible range, to provide fast circuit response and a constant 1.05 form factor over the entire 100:1 speed range. Highly-efficient XL drives provide cool, quiet motor operation with extended brush life and low maintenance. For convenience, the drives have a cage-clamp terminal block to make wiring easy. The XL3300A can jog motors from 0 -120% of rated speed with a separate trimmer pot.

See page 50 for an in-depth comparison of the different models of drives.



C4XL3025



XL3025A
 XL3050A
 XL3200A

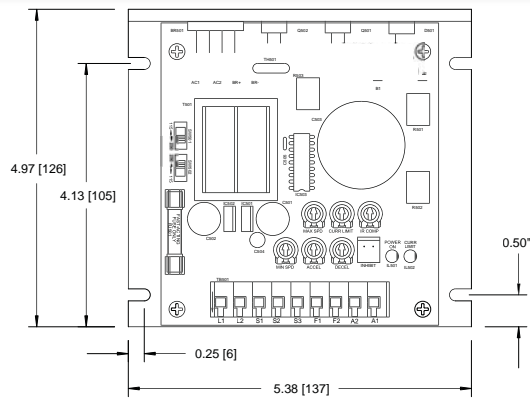


XL3300A



C4XL3200A

XL3025A / XL3050A / XL3200A DIMENSIONS



HEIGHT	
XL3025A	2.25 [57]
XL3050A	3.00 [76]
XL3200A	3.75 [95]

All dimensions in inches [millimeters]

Dimensions of drives not shown above can be found on page 56.
 Wiring diagrams of chassis drives can be found on page 61 and 68.

FEATURES

- **Speed range and regulation:** 1% regulation over 100:1 speed range.
- **User adjustable calibration pots:** IR compensation, min speed, max speed, current limit, acceleration, deceleration and jog (XL3300A and C4XL3200A only).
- **Diagnostic LEDs:** LEDs for power and current limit status.
- **Stopping mode:** Inhibit (N/O) for coasting to a stop on all models.
- **Cage clamp terminal block:** Quick and easy wire terminations reduce installation time!
- **Additional features:** Dual voltage AC input, DC field supply, on board line fuse, and jog mode on C4XL3200A and XL3300A.
- **Accessories:** Heatsink 223-0271. 201-0024 inhibit plug with 18" leads, DLC600 digital closed loop controller.