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Replace the Ultra3000 (230V) Power Specifications table on page A-2 with the one shown below. The new table includes inrush current specifications configured as Series A, B, or C.

- Ultra3000 drive firmware revision 1.45 is required to support the Series C hardware.
- Ultraware software, version 1.63, is required to download firmware to Series C drives containing the new power board.

Ultra3000 Drive (230V) Power Specifications

2098-DSD-005x-xx, 2098-DSD-010x-xx, and 2098-DSD-020x-xx

Specification	Description		
	2098-DSD-005	2098-DSD-010	2098-DSD-020
AC input voltage ⁽¹⁾	100...240V rms single-phase		
AC input frequency	47...63 Hz		
AC input current ^{(2) (3)} Nom (rms) 230V ac (0-pk) max inrush ⁽⁴⁾	5 A 100 A - Series A or B 20 A - Series C	9 A 100 A - Series A or B 20 A - Series C	18 A 100 A - Series A or B 20 A - Series C
Continuous output current (0-pk)	2.5 A	5 A	10 A
Intermittent output current (0-pk)	7.5 A	15 A	30 A
Bus capacitance	1410 μ F	1880 μ F	1880 μ F
Internal shunt resistance	N/A	N/A	N/A
Shunt on	N/A	N/A	N/A
Shunt off	N/A	N/A	N/A
Bus overvoltage	400V dc	400V dc	400V dc
Energy absorption capability 115V ac input 230V ac input	93 J 38 J	125 J 51 J	
Continuous power output 115V ac input 230V ac input	0.25 kW 0.5 kW	0.5 kW 1.0 kW	1.0 kW 2.0 kW

⁽¹⁾ Specification is for nominal voltage. The absolute limits are $\pm 10\%$, or 88...265V rms.

⁽²⁾ The 2098-DSD-005x-xx, -010x-xx, and -020x-xx (230V) drives are limited to:
Series A or B - one contactor cycle every two minutes.
Series C - one contactor cycle every 10 s for up to two minutes, not to exceed 12 cycles in five minutes.

⁽³⁾ Power initialization requires a short period of inrush current. Dual-element time delay (slow blow) fuses are recommended.

⁽⁴⁾ Inrush current-limiting circuitry is enabled within 3 s after removal of ac line power.

ATTENTION



The inrush current-limiting circuitry is limited in the number of power cycles it can withstand within a set period of time. If you exceed these limitations, the circuitry will be damaged.