

CE SERIES INDUSTRIAL CONTROL TRANSFORMERS FOR GLOBAL APPLICATIONS



The Acme Electric CE Series Industrial Control Transformers are designed specifically for machine tool control circuit applications. These transformers have the ability to handle potentially damaging high in-rush currents that occur when electromagnetic components are energized, without sacrificing the required stable output voltage. Designed to meet or exceed the demands of international standards, combined with the full breadth of product offering, the CE Series Transformers from Acme Electric are the ideal solution for your industrial control applications. Acme's CE Series Encapsulated Industrial Control Transformers carry the CE mark, indicating it complies with the requirements established by the International Electro technical Commission (IEC) for use of control circuit transformers in the countries of the European Union. Regulations that apply to control transformers include Low Voltage Directive 2006/95/EC and Electromagnetic Compatibility (EMC) Directive 2004/108/EC

Cooler. Cleaner. More Compact.

The CE Series design improves the dissipation of the heat away from the core and coil assembly providing cooler operation. In addition, the CE Series industrial control transformers seal the transformer's windings and internal terminations within an epoxy encapsulant encased in a durable thermoplastic end cap, protecting them from potentially damaging moisture, dirt and other ambient contaminants. Furthermore, Acme's compact design helps minimize the mounting footprint, providing more flexibility in applications where space is at a premium.

Features

- 50 -5000 VA, 50/60 Hz
- Epoxy encapsulated design protects core & coil assembly from potentially damaging contaminants
- Integrally molded terminal blocks with isolation barriers to prevent arc over
- Terminal blocks allow full access for ring terminals for easy installation and solid termination
- Heavy gauge steel mounting feet
- UL Listed, and CSA approved, CE Marked (EN61558-2-2)
- **Twenty-year limited Warranty**
- **Assembled in the USA of imported and domestic components**



CE SERIES

Group O

120 X 240 PRIMARY VOLTS — 24 SECONDARY VOLTS — 1Ø 50/60 Hz



VA Rating	Catalog Number	Dimensions (inches)(cm)					Weight (lb)(kg)	Wiring Diag.
		A	B	C	D	E		
50	CE50A002	3.38 (8.59)	3 (7.62)	3 (7.62)	2.21 (5.61)	2.5 (6.35)	3.4 (1.54)	2
75	CE75A002	3.38 (8.59)	3.38 (8.59)	3.25 (8.26)	2.21 (5.61)	2.81 (7.14)	4.2 (1.91)	2
100	CE100A002	3.38 (8.59)	3.75 (9.53)	3.5 (8.89)	2.42 (6.15)	3.13 (7.95)	5.9 (2.68)	2
150	CE150B002	4 (10.16)	4.5 (11.43)	4 (10.16)	2.42 (6.15)	3.75 (9.53)	8.5 (3.86)	2
200	CE200B002	4 (10.16)	4.5 (11.43)	4 (10.16)	2.82 (7.16)	3.75 (9.53)	10 (4.54)	2
250	CE250B002	4 (10.16)	4.5 (11.43)	4 (10.16)	3.18 (8.08)	3.75 (9.53)	11 (4.99)	2
300	CE300B002	4.38 (11.13)	4.5 (11.43)	4 (10.16)	3.74 (9.50)	3.75 (9.53)	13.2 (5.99)	2
350	CE350B002	4.5 (11.43)	5.25 (13.34)	4.5 (11.43)	3.37 (8.56)	4.38 (11.13)	14.9 (6.76)	2
500	CE500B002	5.13 (13.03)	5.25 (13.34)	4.5 (11.43)	3.87 (9.83)	4.38 (11.13)	19.2 (8.71)	2
750	CE750B002	7 (17.78)	5.25 (13.34)	5 (12.70)	5.87 (14.91)	4.38 (11.13)	28.1 (12.75)	2
1000	CE1000B002	7 (17.78)	6.38 (16.21)	5.42 (13.77)	3.75 (9.53)	5.31 (13.49)	31.8 (14.42)	2

Group P

200, 208/220, 230, 240/440, 460, 480 PRIMARY VOLTS — 23, 24, 25/110, 115, 120 SECONDARY VOLTS — 1Ø 50/60 Hz

VA Rating	Catalog Number	Dimensions (inches)(cm)					Weight (lb)(kg)	Wiring Diag.
		A	B	C	D	E		
50	CE50A004	3.38 (8.59)	3 (7.62)	3.25 (8.26)	2.21 (5.61)	2.81 (7.14)	4.2 (1.91)	4
75	CE75A004	3.38 (8.59)	3.38 (8.59)	3.5 (8.89)	2.42 (6.15)	3.13 (7.95)	5.9 (2.68)	4
100	CE100A004	3.63 (9.22)	3.75 (9.53)	3.5 (8.89)	3.18 (8.08)	3.13 (7.95)	7.9 (3.58)	4
150	CE150B004	3.75 (9.53)	4.5 (11.43)	4 (10.16)	2.82 (7.16)	3.75 (9.53)	10 (4.54)	4
200	CE200B004	4.38 (11.13)	4.5 (11.43)	4 (10.16)	3.43 (8.71)	3.75 (9.53)	12.8 (5.81)	4
250	CE250B004	4.75 (12.07)	4.5 (11.43)	4 (10.16)	3.74 (9.50)	3.75 (9.53)	14 (6.35)	4
300	CE300B004	4.88 (12.40)	5.25 (13.34)	4.5 (11.43)	3.87 (9.83)	4.38 (11.13)	16.8 (7.62)	4
350	CE350B004	4.88 (12.40)	5.25 (13.34)	4.5 (11.43)	3.87 (9.83)	4.38 (11.13)	19.2 (8.71)	4
500	CE500B004	5.63 (14.30)	5.25 (13.34)	4.6 (11.68)	5.87 (14.91)	4.38 (11.13)	29 (13.15)	4
750	CE750B004	6.75 (17.15)	6.38 (16.21)	5.56 (14.12)	5.06 (12.85)	5.31 (13.49)	29.8 (13.52)	4
1000	CE1000F004	7.06 (17.93)	6.38 (16.21)	6 (15.24)	5.06 (12.85)	5.31 (13.49)	30.2 (13.70)	4



Group Q

208/500, 220/380/440/550, 230/400/460/575, 240/416/480/600 PRIMARY VOLTS

85/100/110, 91/110/120, 95/115/125, 99/120/130 SECONDARY VOLTS — 1Ø 50/60 Hz

VA Rating	Catalog Number	Dimensions (inches)(cm)					Weight (lb)(kg)	Wiring Diag.
		A	B	C	D	E		
250	CE250B007	4.25 (10.80)	4.5 (11.43)	4 (10.16)	3.43 (8.71)	3.75 (9.53)	11.4 (5.17)	7
300	CE300B007	4.75 (12.07)	4.5 (11.43)	4 (10.16)	3.74 (9.50)	3.75 (9.53)	13.6 (6.17)	7
350	CE350B007	5.25 (13.34)	4.5 (11.43)	4.11 (10.44)	3.74 (9.50)	3.75 (9.53)	14.2 (6.44)	7
500	CE500B007	5.5 (13.97)	5.25 (13.34)	4.66 (11.84)	3.87 (9.83)	4.38 (11.13)	17.4 (7.89)	7
750	CE750B007	7.38 (18.75)	5.25 (13.34)	4.75 (12.07)	5.87 (14.91)	4.38 (11.13)	27.5 (12.47)	7
1000	CE1000F007	7 (17.78)	6.38 (16.21)	5.5 (13.97)	5.06 (12.85)	5.31 (13.49)	27.9 (12.66)	7
1500	CE1500F007	7.75 (19.69)	6.75 (17.15)	6 (15.24)	4.97 (12.62)	6.13 (15.57)	43.1 (19.55)	7
2000	CE2000F007	7.63 (19.38)	9 (22.86)	8 (20.32)	4.81 (12.22)	7.5 (19.05)	56 (25.40)	7
3000	CE3000F007	8.56 (21.74)	9 (22.86)	7.63 (19.38)	5.74 (14.58)	7.5 (19.05)	76.2 (34.56)	7

Group R

220 X 440, 230 X 460, 240 X 480 PRIMARY VOLTS — 110/115/120 SECONDARY VOLTS — 1Ø 50/60 Hz

VA Rating	Catalog Number	Dimensions (inches)(cm)					Weight (lb)(kg)	Wiring Diag.
		A	B	C	D	E		
50	CE50A008	3.38 (8.59)	3 (7.62)	3 (7.62)	2.42 (6.15)	2.5 (6.35)	3.4 (1.54)	8
75	CE75A008	3.46 (8.79)	3.38 (8.59)	3.25 (8.26)	2.42 (6.15)	2.81 (7.14)	4.8 (2.18)	8
100	CE100A008	3.38 (8.59)	3.75 (9.53)	3.5 (8.89)	2.42 (6.15)	3.13 (7.95)	5.9 (2.68)	8
150	CE150B008	3.75 (9.53)	4.5 (11.43)	4 (10.16)	2.42 (6.15)	3.75 (9.53)	8.5 (3.86)	8
200	CE200B008	3.75 (9.53)	4.5 (11.43)	4 (10.16)	2.82 (7.16)	3.75 (9.53)	10 (4.54)	8
250	CE250B008	4 (10.16)	4.5 (11.43)	4 (10.16)	3.18 (8.08)	3.75 (9.53)	11 (4.99)	8
300	CE300B008	4.38 (11.13)	4.5 (11.43)	4 (10.16)	3.74 (9.50)	3.75 (9.53)	13 (5.90)	8
350	CE350B008	4.95 (12.57)	5.25 (13.34)	4.5 (11.43)	3.37 (8.56)	4.38 (11.13)	15 (6.80)	8
500	CE500B008	5.43 (13.79)	5.25 (13.34)	4.5 (11.43)	4.37 (11.10)	4.38 (11.13)	20 (9.07)	8
750	CE750B008	7 (17.78)	5.25 (13.34)	5 (12.70)	5.87 (14.91)	4.38 (11.13)	29.8 (13.52)	8
1000	CE1000F008	6.63 (16.84)	6.38 (16.21)	5.5 (13.97)	3.75 (9.53)	5.31 (13.49)	35 (15.88)	8
1500	CE1500F008	7.31 (18.57)	6.75 (17.15)	6 (15.24)	4.97 (12.62)	6.13 (15.57)	40 (18.14)	8
2000	CE2000F008	7.75 (19.69)	6.75 (17.15)	5.89 (14.96)	4.97 (12.62)	6.13 (15.57)	45 (20.41)	8
3000	CE3000F008	8.06 (20.47)	9 (22.86)	8 (20.32)	5.24 (13.31)	7.5 (19.05)	65.2 (29.57)	8
5000	CE5000F008	10 (25.4)	9 (22.86)	8 (20.32)	7.18 (18.24)	7.5 (19.05)	104.8 (47.54)	8

Group S

220, 230, 240/380, 400, 416/440, 460, 480/550, 575,600 PRIMARY VOLTS — 23, 24, 25/110, 115, 120 SECONDARY VOLTS — 1Ø 50/60 Hz

VA Rating	Catalog Number	Dimensions (inches)(cm)					Weight (lb)(kg)	Wiring Diag.
		A	B	C	D	E		
250	CE250B009	4.75 (12.07)	4.5 (11.43)	4 (10.16)	3.72 (9.45)	3.75 (9.53)	14.3 (6.49)	9
300	CE300B009	5 (12.7)	4.5 (11.43)	4 (10.16)	4.72 (11.99)	3.75 (9.53)	15.8 (7.17)	9
350	CE350B009	5.19 (13.18)	5.25 (13.34)	4.5 (11.43)	3.87 (9.83)	4.38 (11.13)	16.5 (7.48)	9
500	CE500B009	6.19 (15.72)	5.25 (13.34)	4.5 (11.43)	4.87 (12.37)	4.38 (11.13)	20.5 (9.30)	9
750	CE750B009	7 (17.78)	6.38 (16.21)	5.56 (14.12)	5.06 (12.85)	5.31 (13.49)	28.8 (13.06)	9
1000	CE1000F009	8.13 (20.65)	6.38 (16.21)	6 (15.24)	5.06 (12.85)	5.31 (13.49)	34.9 (15.83)	9