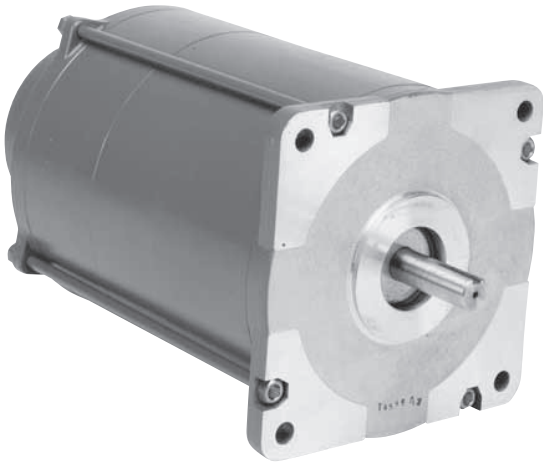


Hazardous Duty Motors

NEMA Size 42 & 66

HAZARDOUS DUTY MOTORS



- Motor torque up to 1500 oz-in (1059 N-cm)
- 72 RPM @ 60 Hz - 60 RPM @ 50 Hz
- 120 and 240 volt AC versions
- UL Listed and CE certified versions
- UL Listed versions - Class 1 Group D requirements
- UL Listed versions have conduit connection
- CE certified versions – EEx d IIC T5
- CE certified versions have integral 10 ft (3 M) cable

**X
XCE**

X Meets UL Standards (conduit connection)
XCE Meets CE Standards (includes 10' (3m) cable)

Torque in oz-in, and Last # indicates voltage

0 120 volts
2 240 volts
X250=250 oz-in, 120 V
X1102=1100 oz-in, 240 V



UL Certified Motors (Prefix "X")

Motors having an "X" prefix (X250, etc.) are designed to meet UL Standard 674 for motors operating in Class 1 Group D hazardous locations.

Class 1 is defined as locations in which gases or vapors are, or may be, present in the air in quantities sufficient to produce explosions or ignitable mixtures. Group D includes atmospheres containing gasoline, petroleum, naphtha, alcohol, acetone, lacquer solvent vapors or natural gas.



CE Certified Motors (Prefix "XCE")

Motors having a "XCE" prefix are designed to meet requirements in hazardous locations as defined by CE directive 94/9/EC. They have a flameproof enclosure, for use in surface industries exposed to gasses including hydrogen and acetylene. The maximum surface temperature is 100°C.

Hazardous Duty Motors

NEMA Size 42 & 66

120 Volt, 60 Hz, Single Phase, 72 RPM

								Phase Shifting				
* Type Number		Torque (min)		# Load Inertia		amps	Wiring Diagram	Resistor			Capacitor (330VAC)	
UL	CE	oz-in	N-cm	lb-in ²	kg-cm			Kit Number	ohms	watts	Kit Number	μF
X250	XCE250	250	177	3	8.8	0.6	RC	201052-013	150	50	201053-010	6.5
X700	XCE700	700	494	10	30	1.1	RC	201052-027	150	100	201053-032	12.5
X1100	XCE1100	1,100	777	9	26	3	RC	201052-025	100	160	201053-026	17.5
X1500	XCE1500	1,500	1,059	12	35	3	RC	201052-020	55	375	201053-014	30

240 Volt, 60 Hz, Single Phase, 72 RPM

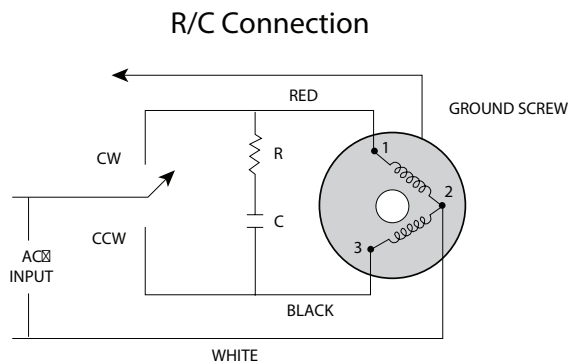
								Phase Shifting				
* Type Number		Torque (min)		# Load Inertia		amps	Wiring Diagram	Resistor			Capacitor (660VAC)	
UL	CE	oz-in	N-cm	lb-in ²	kg-cm			Kit Number	ohms	watts	Kit Number	μF
X252	XCE252	250	177	3	8.8	0.4	RC	201052-015	500	50	201053-012	1.75
-----	XCE702	700	494	10	30	0.6	RC	201052-028	500	100	201053-030	3
X1102	XCE1102	1,100	777	9	26	1.5	RC	201052-026	400	160	201053-028	4
X1502	XCE1502	1,500	1,059	12	35	1.5	RC	201052-018	250	200	201053-016	8

240 Volt, 50 Hz, Single Phase, 60 RPM

								Phase Shifting				
* Type Number		Torque (min)		# Load Inertia		amps	Wiring Diagram	Resistor			Capacitor (660VAC)	
UL	CE	oz-in	N-cm	lb-in ²	kg-cm			Kit Number	ohms	watts	Kit Number	μF
X252	XCE252	250	177	3	8.8	0.4	RC	201052-015	500	50	201053-012	1.75
-----	XCE702	700	494	10	30	0.6	RC	201052-028	500	100	201053-028	4
X1102	XCE1102	1,100	777	9	26	1.5	RC	201052-026	400	160	201053-029	6
X1502	XCE1502	1,500	1,059	12	35	1.5	RC	201052-018	250	200	201053-019	9

This is the maximum rigidly attached load inertia the motor will reliably start. If the load is attached to the motor with a coupling that has a 5° flex, the motor can start loads up to seven times listed.

Connection Diagram



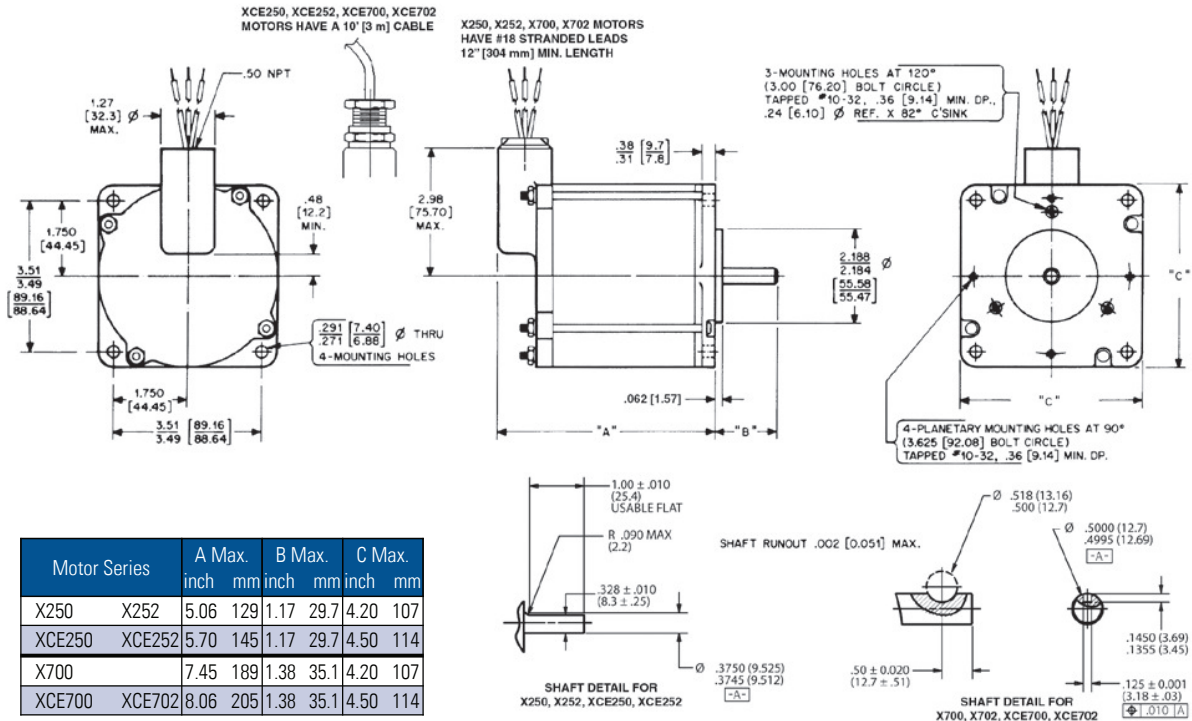
NOTE: 1 - Direction or rotation is determined when viewed from end opposite mounting surface.

Single-Phase Operation

Hazardous Duty Motor Dimensions

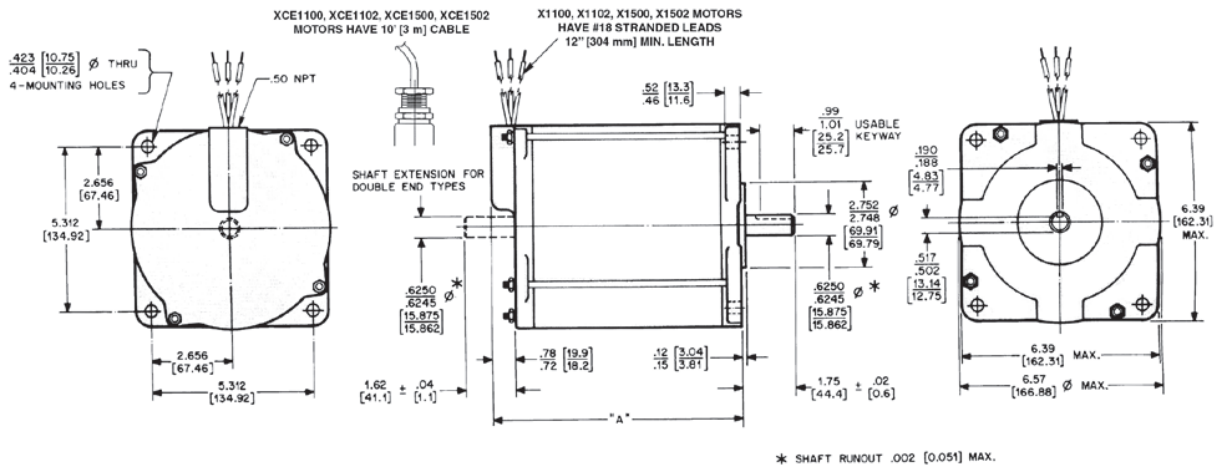
HAZARDOUS DUTY MOTORS DIMENSIONS

X250, X252, X700, X2CE250, XCE252, XCE700, XCE702



Dimensions are shown in inches (mm)

X1100, X1102, X1500, X1502, XCE1100, XCE1102, XCE1500, XCE1502



Motor Series	A Max. inch mm
X1100 X1102	7.10 180
XCE1100 XCE1102	7.60 193
X1500 X1502	8.41 214
XCE1500 XCE1502	8.91 226

Dimensions are shown in inches (mm)