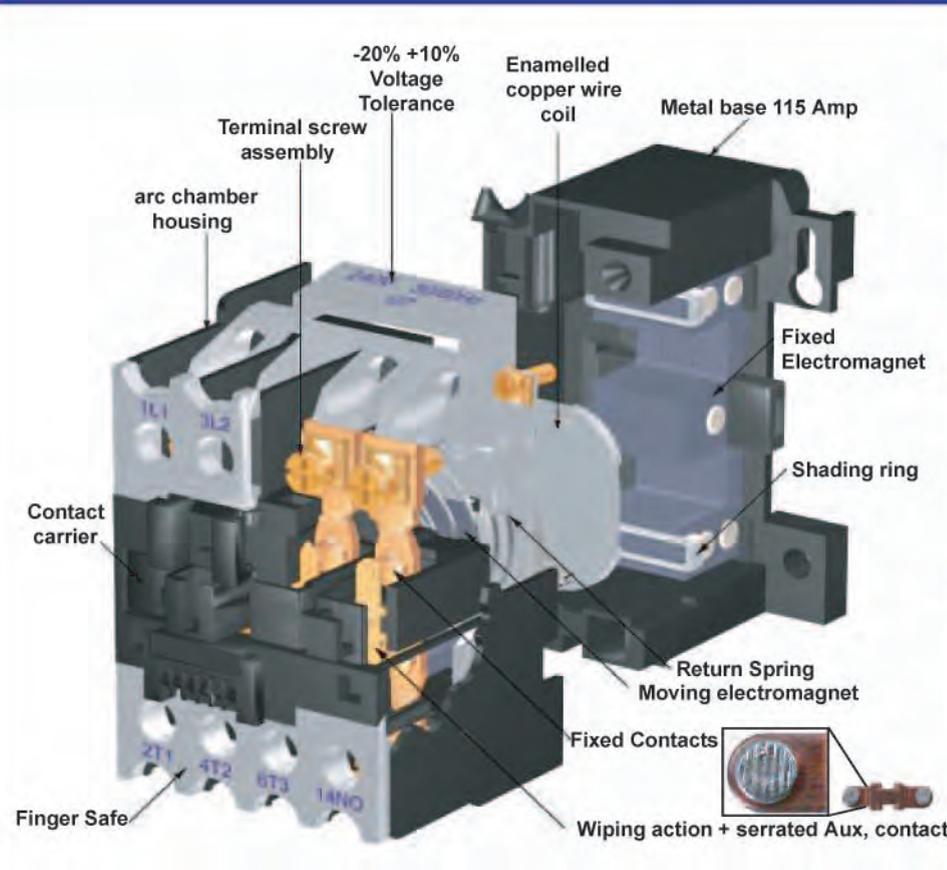




**EEC Series
Heavy Duty Design
CONTACTORS
&
MOTOR STARTERS**

**3 + 4 Pole
25A to 1600 Amps**

- Features & Benefits**
- UL 508SB - 100,000 RMS SYM Amps.
 - High Temp - 40°F / +158°F
 - Wiping Action Aux. Contacts
 - -20% coil voltage (25A-100A)
 - Energy Saving Design. 115 Amp + Sizes
 - Solid Metal Bases from sizes EEC40-EEC780
 - Contact wear External window indicator
 - PushButton Cartridge Coil Replacement System (no tools, Quick change design) (EEC115-EEC780)
 - Low Coil Inrush



Conformity to Standards





 RoHS Compliant

IEC 947-4 VDE0660
UL File # E245258, E303503





UL Resistive Inductive		Horse Power Ratings UL 3 Phase Motor		OPEN	NEMA 1 General Purpose (metal)	NEMA4X Hose Dust Tight (non metal)	NEMA 4/12 (metal)	NEMA 3R Hose + Dust Tight Outdoor (metal)	Comparable NEMA HP	
AC-1	AC-3	Volts	HP							
25A	12A	200V	3	TEC 12 - * 0 - ⊕ \$72.00	TEC 12 - * 1 - ⊕ \$176.00	TEC 12 - * 4X - ⊕ \$216.00	TEC 12 - * 4 - ⊕ \$248.00	TEC 12 - * 3R - ⊕ \$246.00	200V	1.5 HP
		230V	3						230V	1.5 HP
		480V	7 1/2						480V	2 HP
		600V	10 HP						600V	2 HP
		NEMA 00								
32A	18A	200V	5	TEC 18 - * 0 - ⊕ \$84.00	TEC 18 - * 1 - ⊕ \$210.00	TEC 18 - * 4X - ⊕ \$248.00	TEC 18 - * 4 - ⊕ \$274.00	TEC 18 - * 3R - ⊕ \$268.00	200V	3 HP
		230V	5						230V	3 HP
		480V	10						480V	5 HP
		600V	15 HP						600V	5 HP
		NEMA 0								
40A	25A	200V	5	TEC 25 - * 0 - ⊕ \$108.00	TEC 25 - * 1 - ⊕ \$240.00	TEC 25 - * 4X - ⊕ \$288.00	TEC 25 - * 4 - ⊕ \$298.00	TEC 25 - * 3R - ⊕ \$292.00	NEMA 0+	
		230V	7 1/2							
		480V	15							
		600V	20 HP							
50A	32A	200V	10	TEC 32 - * 0 - ⊕ \$118.00	TEC 32 - * 1 - ⊕ \$256.00	TEC 32 - * 4X - ⊕ \$320.00	TEC 32 - * 4 - ⊕ \$320.00	TEC 32 - * 3R - ⊕ \$312.00	200V	7.5HP
		230V	10						230V	7.5HP
		480V	20						480V	10 HP
		600V	25 HP						600V	10 HP
		NEMA 1								
60A	40A	200V	10	TEC 40 - * 0 - ⊕ \$145.00	TEC 40 - * 1 - ⊕ \$330.00	TEC 40 - * 4X - ⊕ \$390.00	TEC 40 - * 4 - ⊕ \$370.00	TEC 40 - * 3R - ⊕ \$350.00	NEMA 1+	
		230V	10							
		480V	30							
		600V	30 HP							

*Coil Voltage Suffix for TEC12-400

* - Add Suffix	AC Voltage	* - DC Voltage
-A =	120V 50/60Hz	See \$ adder below
-C =	208V up to 230V 60Hz	-DCM = 12VDC
-E =	480V 60Hz, 400V 50Hz	-DCN = 24VDC
-F =	600V 60Hz	-DCO = 48VDC
-D =	380V 50Hz	-DCP = 125VDC
-G =	24V 50/60Hz	-DCR = 220VDC
-H =	277V(280) 60Hz	DC Adder Below
-B =	220V 50/60Hz	

Contact Factory for additional coil voltages not listed.
208V "c" Coil -5% Voltage Tolerance.

DC Coil Price Adder Size + List Price

TEC 12-32 + \$30

TEC 40-80 + \$60

TEC 115 + No Adder

⊕ Add to Part #	Overload Amp Range	⊕ Add to Part #	Overload Amp Range	⊕ Add to Part #	Overload Amp Range
0.16A	0.1-0.16A	13A	9-13A	105A	65 - 105A
0.25A	0.16-0.25A	18A	12-18A	125A	80 - 125A
0.4A	0.25-0.4A	25A	17-25A	160A	100 - 160A
0.63	0.4-0.63	32A	23-32A	200A	125 - 200A
1A	0.63-1A	36A	28-36A	250A	160 - 250A
1.6A	1-1.6A	40A	30-40A	400A	250 - 400A
2.5A	1.6-2.5A	50A	37-50A	500A	315 - 500A
4A	2.5-4A	65A	48-65A	630A	400 - 630A
6A	4-6A	70A	55-70A	800A	500 - 800A
8A	5.5-8A	80A	63-80A		
10A	7-10A	93A	80-93A		

Part # Example: TEC 12 - A1-6A EEC12 Contactor (page 14)

A=120VAC Coil 1=NEMA 1 Enclosure

6A=4-6 Amp Overload Range



Type TEC 3 Phase Motor Starters

**3 Phase
1000 HP
Max Size**

Resistive Inductive AC-1 AC-3		Horse Power Ratings UL 3 Phase Motor		OPEN	NEMA 1 General Purpose (metal)	NEMA4X Hose Dust Tight (non metal)	NEMA 4/12 (metal)	NEMA 3R Hose + Dust Tight Outdoor (metal)	NEMA HP	
		Volts	HP							
80A	50A	200V	15	TEC 50 - * 0 - * \$184.00	TEC 50 - * 1 - * \$434.00	TEC 50 - * 4X - * \$440.00	TEC 50 - * 4 - * \$460.00	TEC 50 - * 3R - * \$450.00	200V	10 HP
		230V	15						230V	15 HP
		480V	40						480V	25 HP
		600V	40 HP						600V	25 HP
		NEMA 2								
80A	65A	200V	20	TEC 65 - * 0 - * \$240.00	TEC 65 - * 1 - * \$488.00	TEC 65 - * 4X - * \$494.00	TEC 65 - * 4 - * \$690.00	TEC 65 - * 3R - * \$610.00	Size 2+	
		230V	20							
		480V	50							
		600V	50 HP							
		NEMA 2								
125A	80A	200V	20	TEC 80 - * 0 - * \$300.00	TEC 80 - * 1 - * \$530.00	TEC 80 - * 4X - * \$540.00	TEC 80 - * 4 - * \$740.00	TEC 80 - * 3R - * \$680.00	Size 2+	
		230V	25							
		480V	60							
		600V	60 HP							
		NEMA 2								
125A	95A	200V	20	TEC 95 - * 0 - * \$310.00	TEC 95 - * 1 - * \$560.00	TEC 95 - * 4X - * \$570.00	TEC 95 - * 4 - * \$780.00	TEC 95 - * 3R - * \$690.00	Size 2+	
		230V	25							
		480V	60							
		600V	60 HP							
		NEMA 2								
200A	115A	200V	30	TEC 115 - * 0 - * \$370.00	TEC 115 - * 1 - * \$890.00	TEC 115 - * 4X - * \$1,050.00	TEC 115 - * 4 - * \$1,100.00	TEC 115 - * 3R - * \$950.00	200V	25 HP
		230V	40						230V	30 HP
		480V	75						480V	50 HP
		600V	100 HP						600V	50 HP
		NEMA 3								
250A	150A	200V	40	TEC 150 - * 0 - * \$480.00	TEC 150 - * 1 - * \$990.00	TEC 150 - * 4X - * \$1,200.00	TEC 150 - * 4 - * \$1,250.00	TEC 150 - * 3R - * \$990.00	Size 3+	
		230V	50							
		480V	100							
		600V	125 HP							
		NEMA 3								
275A	185A	200V	50	TEC 185 - * 0 - * \$710.00	TEC 185 - * 1 - * \$1,400.00	TEC 185 - * 4X - * \$1,900.00	TEC 185 - * 4 - * \$1,800.00	TEC 185 - * 3R - * \$1,800.00	200V	40 HP
		230V	60						230V	50 HP
		480V	125						480V	100 HP
		600V	150 HP						600V	100 HP
		NEMA 4								
350A	265A	200V	60	TEC 265 - * 0 - * \$1,100.00	TEC 265 - * 1 - * \$1,750.00	TEC 265 - * 4X - * \$2,300.00	TEC 265 - * 4 - * \$2,100.00	TEC 265 - * 3R - * \$2,000.00	Size 4+	
		230V	75							
		480V	150							
		600V	200 HP							
		NEMA 4								
400A	330A	200V	75	TEC 330 - * 0 - * \$1,300.00	TEC 330 - * 1 - * \$1,958.00	TEC 330 - * 4X - * \$2,450.00	TEC 330 - * 4 - * \$2,250.00	TEC 330 - * 3R - * \$2,325.00	Size 4+	
		230V	100							
		480V	200							
		600V	250 HP							
		NEMA 4								
500A	400A	200V	100	TEC 400 - * 0 - * \$1,450.00	TEC 400 - * 1 - * \$2,500.00	TEC 400 - * 4X - * \$2,950.00	TEC 400 - * 4 - * \$2,800.00	TEC 400 - * 3R - * \$2,900.00	200V	75 HP
		230V	125						230V	100 HP
		480V	250						480V	200 HP
		600V	300 HP						600V	200 HP
		NEMA 5								

Additional sizes up to **1000 HP, 1600 Amps** - Contact Factory

Lugs Included

See Previous Page For Overload Suffix

See **1.16** for coil voltages for contactor sizes **EEC 115 & larger.**



Type RTEC 3 Phase Reversing Motor Starters

3 Phase 30 HP Max

		Horse Power Ratings UL 3 Phase Motor		OPEN	NEMA 1 General Purpose (metal)	NEMA4X Hose Dust Tight (non metal)	NEMA 4/12 (metal)	NEMA 3R Hose + Dust Tight Outdoor (metal)	Dimensions mm/inches Open Style	
AC-1	AC-3	Volts	HP							mm/inches
25A	12A	200V	3	RTEC 12 - * 0 - ⊕ \$132.00	RTEC 12 - * 1 - ⊕ \$236.00	RTEC 12 - * 4X - ⊕ \$276.00	RTEC 12 - * 4 - ⊕ \$308.00	RTEC 12 - * 3R - ⊕ \$306.00	H	118/4.70"
		230V	3						W	104/4.09"
		480V	7 1/2						D(AC)	113/4.45"
		600V	10 HP						D(DC)	148/5.83"
32A	18A	200V	5	RTEC 18 - * 0 - ⊕ \$155.00	RTEC 18 - * 1 - ⊕ \$281.00	RTEC 18 - * 4X - ⊕ \$319.00	RTEC 18 - * 4 - ⊕ \$345.00	RTEC 18 - * 3R - ⊕ \$339.00	H	118/4.70"
		230V	5						W	106/4.17"
		480V	10						D(AC)	118/4.65"
		600V	15 HP						D(DC)	153/6.02"
40A	25A	200V	5	RTEC 25 - * 0 - ⊕ \$190.00	RTEC 25 - * 1 - ⊕ \$322.00	RTEC 25 - * 4X - ⊕ \$370.00	RTEC 25 - * 4 - ⊕ \$380.00	RTEC 25 - * 3R - ⊕ \$374.00	H	129/5.08"
		230V	7 1/2						W	126/4.96"
		480V	15						D(AC)	126/4.96"
		600V	20 HP						D(DC)	163/6.42"
50A	32A	200V	10	RTEC 32 - * 0 - ⊕ \$214.00	RTEC 32 - * 1 - ⊕ \$352.00	RTEC 32 - * 4X - ⊕ \$416.00	RTEC 32 - * 4 - ⊕ \$416.00	RTEC 32 - * 3R - ⊕ \$408.00	H	140/5.51"
		230V	10						W	126/4.96"
		480V	20						D(AC)	131/4.76"
		600V	25 HP						D(DC)	168/6.61"
60A	40A	200V	10	RTEC 40 - * 0 - ⊕ \$292.00	RTEC 40 - * 1 - ⊕ \$477.00	RTEC 40 - * 4X - ⊕ \$537.00	RTEC 40 - * 4 - ⊕ \$517.00	RTEC 40 - * 3R - ⊕ \$497.00	H	175/6.89"
		230V	10						W	165/6.50"
		480V	30						D(AC)	125/4.92"
		600V	30 HP						D(DC)	171/6.70"

*** Coil Voltage Suffix for RTEC12-95**

* - Add Suffix	AC Voltage	* - DC Voltage
-A =	120V 50/60Hz	
-C =	208V up to 230V 60Hz	-DCM = 12VDC
-E =	480V 60Hz, 400V 50Hz	-DCN = 24VDC
-F =	600V 60Hz	-DCO = 48VDC
-D =	380V 50Hz	-DCP = 125VDC
-G =	24V 50/60Hz	-DCR = 220VDC
-H =	277V(280) 60Hz	
-B =	220V 50/60Hz	

Contact Factory for additional coil voltages not listed.
208V "c" Coil -5% Voltage Tolerance.

⊕ Add to Part #	Overload Amp Range	⊕ Add to Part #	Overload Amp Range	⊕ Add to Part #	Overload Amp Range
0.16A	0.1-0.16A	13A	9-13A	105A	65 - 105A
0.25A	0.16-0.25A	18A	12-18A	125A	80 - 125A
0.4A	0.25-0.4A	25A	17-25A	160A	100 - 160A
0.63	0.4-0.63	32A	23-32A	200A	125 - 200A
1A	0.63-1A	36A	28-36A	250A	160 - 250A
1.6A	1-1.6A	40A	30-40A	400A	250 - 400A
2.5A	1.6-2.5A	50A	37-50A	500A	315 - 500A
4A	2.5-4A	65A	48-65A	630A	400 - 630A
6A	4-6A	70A	55-70A	800A	500 - 800A
8A	5.5-8A	80A	63-80A		
10A	7-10A	93A	80-93A		

DC Coil Price Adder
Size + List Price

EEC 12-32 + \$60

EEC 40-80 + \$120

EEC 115 + No Adder

Part # Example: RTEC 12 - A1-6A EEC12 Contactor

A=120VAC Coil 1=NEMA 1 Enclosure

6A=4-6 Amp Overload Range



Type RTEC 3 Phase Reversing Motor Starters

**3 Phase
1000 HP
Max Size**

 Resistive Inductive		Horse Power Ratings UL 3 Phase Motor		OPEN	NEMA 1 General Purpose (metal)	NEMA4X Hose Dust Tight (non metal)	NEMA 4/12 (metal)	NEMA 3R Hose + Dust Tight Outdoor (metal)	NEMA HP mm/inches	
80A	50A	200V	15	RTEC 50	RTEC 50	RTEC 50	RTEC 50	RTEC 50	H	175/6.89"
		230V	15	- * 0 -	- * 1 -	- * 4X -	- * 4 -	- * 3R -	W	165/6.50"
		480V	40	\$335.00	\$597.00	\$603.00	\$623.00	\$613.00	D(AC)	125/4.92"
		600V	40						D(DC)	171/6.70"
		HP								
80A	65A	200V	20	RTEC 65	RTEC 65	RTEC 65	RTEC 65	RTEC 65	H	175/6.89"
		230V	20	- * 0 -	- * 1 -	- * 4X -	- * 4 -	- * 3R -	W	165/6.50"
		480V	50	\$427.00	\$675.00	\$681.00	\$877.00	\$797.00	D(AC)	125/4.92"
		600V	50						D(DC)	171/6.70"
		HP								
125A	80A	200V	20	RTEC 80	RTEC 80	RTEC 80	RTEC 80	RTEC 80	H	179/7.05"
		230V	25	- * 0 -	- * 1 -	- * 4X -	- * 4 -	- * 3R -	W	181/7.13"
		480V	60	\$577.00	\$807.00	\$817.00	\$1,017.00	\$957.00	D(AC)	128/5.04"
		600V	60						D(DC)	181/7.13"
		HP								
125A	95A	200V	20	RTEC 95	RTEC 95	RTEC 95	RTEC 95	RTEC 95	H	179/7.05"
		230V	25	- * 0 -	- * 1 -	- * 4X -	- * 4 -	- * 3R -	W	181/7.13"
		480V	60	\$622.00	\$872.00	\$882.00	\$1,092.00	\$1,002.00	D(AC)	128/5.04"
		600V	60						D(DC)	—————
		HP								
200A	115A	200V	30	RTEC 115	RTEC 115	RTEC 115	RTEC 115	RTEC 115	H	345/13.60"
		230V	40	- * 0 -	- * 1 -	- * 4X -	- * 4 -	- * 3R -	W	332/13.07"
		480V	75	\$743.00	\$1,263.00	\$1,423.00	\$1,473.00	\$1,323.00	D(AC)	180/7.10"
		600V	100						D(DC)	180/7.10"
		HP								
250A	150A	200V	40	RTEC 150	RTEC 150	RTEC 150	RTEC 150	RTEC 150	H	351/13.80"
		230V	50	- * 0 -	- * 1 -	- * 4X -	- * 4 -	- * 3R -	W	332/13.07"
		480V	100	\$903.00	\$1,413.00	\$1,623.00	\$1,673.00	\$1,413.00	D(AC)	180/7.10"
		600V	125						D(DC)	180/7.10"
		HP								
275A	185A	200V	50	RTEC 185	RTEC 185	RTEC 185	RTEC 185	RTEC 185	H	354/13.90"
		230V	60	- * 0 -	- * 1 -	- * 4X -	- * 4 -	- * 3R -	W	369/14.53"
		480V	125	\$1,289.00	\$1,979.00	\$2,479.00	\$2,379.00	\$2,379.00	D(AC)	180/7.10"
		600V	150						D(DC)	180/7.10"
		HP								
350A	265A	200V	60	RTEC 265	RTEC 265	RTEC 265	RTEC 265	RTEC 265	H	381/15.00"
		230V	75	- * 0 -	- * 1 -	- * 4X -	- * 4 -	- * 3R -	W	446/17.56"
		480V	150	\$1,879.00	\$2,529.00	\$3,079.00	\$2,879.00	\$2,779.00	D(AC)	207/8.20"
		600V	200						D(DC)	207/8.20"
		HP								
400A	330A	200V	75	RTEC 330	RTEC 330	RTEC 330	RTEC 330	RTEC 330	H	384/15.10"
		230V	100	- * 0 -	- * 1 -	- * 4X -	- * 4 -	- * 3R -	W	458/18.03"
		480V	200	\$2,255.00	\$2,913.00	\$3,405.00	\$3,205.00	\$3,280.00	D(AC)	213/8.40"
		600V	250						D(DC)	213/8.40"
		HP								
500A	400A	200V	100	RTEC 400	RTEC 400	RTEC 400	RTEC 400	RTEC 400	H	384/15.10"
		230V	125	- * 0 -	- * 1 -	- * 4X -	- * 4 -	- * 3R -	W	394/15.51"
		480V	250	\$2,509.00	\$3,559.00	\$4,009.00	\$3,859.00	\$3,959.00	D(AC)	213/8.40"
		600V	300						D(DC)	213/8.40"
		HP								

Additional sizes up to **1000 HP, 1600 Amps** - Contact Factory

Lugs Included

See Previous Page For Overload ⊕ Suffix

See p.20 for coil voltages for contactor sizes EEC 115 & larger.