

NEMA Full Voltage Power Devices

NEMA Rated Full Voltage Starters - Magnetic

CR306 Magnetic Starters

Section 1

Nonreversing, Non-combination, Open, NEMA Type 1, 3R, 12, 4/4X
NEMA Sizes 1-6 with Solid State Overload Relay
600 Volts Maximum 50/60 Hertz

List price includes a holding interlock, pressure terminals for the line and load connections, plus a solid-state overload relay (manual reset). Standard isolated 1NO and 1NC auxiliary contact (A600, Q600).

Select current range from Full Load Current Selection Table. Insert letter (C, D, E, F, etc.) from table in Product Number to replace *.

Refer to Coil Table, page 1-6 for other available starter coils and suffixes (sizes 1-6).

CR306, Three-Phase Magnetic Starters

NEMA Size	Continuous Ampere Rating ¹	Voltage	Horsepower	Open Type		NEMA Type 1		NEMA Type 3R		NEMA Type 12 ²		NEMA Type 4/4X	
				Product Number	List Price	Product Number	List Price	Product Number	List Price	Product Number	List Price	Product Number	List Price
1	27	Separate Control — 115-120V		CX*002	\$261.00	CX*102	\$273.00	CX*602	\$345.00	CX*202 ¹	\$345.00	CX*402	\$489.00
1	27	200-208	7 1/2	CX*023	\$261.00	CX*123	\$273.00	CX*623	\$345.00	CX*223 ¹	\$345.00	CX*423	\$489.00
1	27	230-240	7 1/2	CX*003	\$261.00	CX*103 ²	\$273.00	CX*603	\$345.00	CX*203 ¹	\$345.00	CX*403	\$489.00
1	27	460-480	10	CX*004	\$261.00	CX*104	\$273.00	CX*604	\$345.00	CX*204 ¹	\$345.00	CX*404	\$489.00
1	27	575-600	10	CX*005	\$261.00	CX*105	\$273.00	CX*605	\$345.00	CX*205 ¹	\$345.00	CX*405	\$489.00
2	45	Separate Control — 115-120V		DX*002	\$453.00	DX*102	\$513.00	DX*602	\$645.00	DX*202 ¹	\$645.00	DX*402	\$945.00
2	45	200-208	10	DX*023	\$453.00	DX*123	\$513.00	DX*623	\$645.00	DX*223 ¹	\$645.00	DX*423	\$945.00
2	45	230-240	15	DX*003	\$453.00	DX*103	\$513.00	DX*603	\$645.00	DX*203 ¹	\$645.00	DX*403	\$945.00
2	45	460-480	25	DX*004	\$453.00	DX*104	\$513.00	DX*604	\$645.00	DX*204 ¹	\$645.00	DX*404	\$945.00
2	45	575-600	25	DX*005	\$453.00	DX*105	\$513.00	DX*605	\$645.00	DX*205 ¹	\$645.00	DX*405	\$945.00
3	90	Separate Control — 115-120V		EX*002	\$717.00	EX*102	\$837.00	EX*602	\$993.00	EX*202 ¹	\$993.00	EX*402	\$1449.00
3	90	200-208	25	EX*023	\$717.00	EX*123	\$837.00	EX*623	\$993.00	EX*223 ¹	\$993.00	EX*423	\$1449.00
3	90	230-240	30	EX*003	\$717.00	EX*103	\$837.00	EX*603	\$993.00	EX*203 ¹	\$993.00	EX*403	\$1449.00
3	90	460-480	50	EX*004	\$717.00	EX*104	\$837.00	EX*604	\$993.00	EX*204 ¹	\$993.00	EX*404	\$1449.00
3	90	575-600	50	EX*005	\$717.00	EX*105	\$837.00	EX*605	\$993.00	EX*205 ¹	\$993.00	EX*405	\$1449.00
4	135	Separate Control — 115-120V		FX*002	\$1605.00	FX*102	\$1857.00	FX*602	\$2373.00	FX*202 ¹	\$2373.00	FX*402	\$2901.00
4	135	200-208	40	FX*023	\$1605.00	FX*123	\$1857.00	FX*623	\$2373.00	FX*223 ¹	\$2373.00	FX*423	\$2901.00
4	135	230-240	50	FX*003	\$1605.00	FX*103	\$1857.00	FX*603	\$2373.00	FX*203 ¹	\$2373.00	FX*403	\$2901.00
4	135	460-480	100	FX*004	\$1605.00	FX*104	\$1857.00	FX*604	\$2373.00	FX*204 ¹	\$2373.00	FX*404	\$2901.00
4	135	575-600	100	FX*005	\$1605.00	FX*105	\$1857.00	FX*605	\$2373.00	FX*205 ¹	\$2373.00	FX*405	\$2901.00
5	270	Separate Control — 115-120V		GX*002	\$3882.00	GX*102	\$4344.00	GX*602	\$5664.00	GX*202 ¹	\$5664.00	GX*402	\$5664.00
5	270	200-208	75	GX*023	\$3882.00	GX*123	\$4344.00	GX*623	\$5664.00	GX*223 ¹	\$5664.00	GX*423	\$5664.00
5	270	230-240	100	GX*003	\$3882.00	GX*103	\$4344.00	GX*603	\$5664.00	GX*203 ¹	\$5664.00	GX*403	\$5664.00
5	270	460-480	200	GX*004	\$3882.00	GX*104	\$4344.00	GX*604	\$5664.00	GX*204 ¹	\$5664.00	GX*404	\$5664.00
5	270	575-600	200	GX*005	\$3882.00	GX*105	\$4344.00	GX*605	\$5664.00	GX*205 ¹	\$5664.00	GX*405	\$5664.00
6	540	Separate Control — 115-120V		HX*002	\$9192.00	HX*102	\$12192.00	HX*602	\$13812.00	HX*202 ¹	\$13812.00	HX*402	\$15192.00
6	540	200-208	150	HX*023	\$9192.00	HX*123	\$12192.00	HX*623	\$13812.00	HX*223 ¹	\$13812.00	HX*423	\$15192.00
6	540	230-240	200	HX*003	\$9192.00	HX*103	\$12192.00	HX*603	\$13812.00	HX*203 ¹	\$13812.00	HX*403	\$15192.00
6	540	460-480	400	HX*004	\$9192.00	HX*104	\$12192.00	HX*604	\$13812.00	HX*204 ¹	\$13812.00	HX*404	\$15192.00
6	540	575-600	400	HX*005	\$9192.00	HX*105	\$12192.00	HX*605	\$13812.00	HX*205 ¹	\$13812.00	HX*405	\$15192.00

¹Motor full load current should not exceed continuous ampere rating of the starter.

²External reset not included on standard listed forms.

Full Load Current Selection Table

For continuous rated motors, with a service factor of 1.15 to 1.25, select the heater with maximum motor Amperes equal to or immediately greater than the motor full-load current (provides a maximum of 125 percent protection). For continuous rated motors with no service factor, multiply the full-load current of the motor by 0.90 and use this value to select the heater.

Overload Range for Solid State Starters	NEMA Size	Fuse Max.	Breaker Max.	Insert Digit in Product Number
0.4-0.85	00-1	3	15	C
0.8-1.7	00-1	6	15	D
1.6-3.4	00-1	12	15	E
3.2-6.8	00-1	25	25	F
6.5-13.5	00-1	50	50	G
13-27	00-1	100	100	H
6.5-13.5	2	50	50	G
13-27	2	100	100	H
25-50	2	200	200	J
17-35	3 & 4	125	125	K
35-70	3 & 4	250	250	L
65-135	3 & 4	500	400	M
35-70	5			N
65-135	5	500	400	P
130-270	5	600	800	Q
130-270	6	1200	800	S
260-540	6	1200	800	T



Other Coil Voltages: See page 1-6
Factory Installed Modifications: See pages 1-124 to 1-131
Field Installed Modifications: See pages 1-132 to 1-138