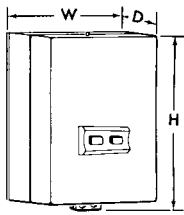




NON-REVERSING MANUAL STARTERS

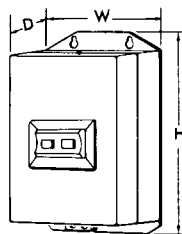
CLASS C20

DIMENSIONS, C20



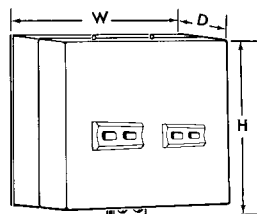
NEMA 1

Number of Poles	NEMA Size	Maximum Horsepower Ratings			OPEN		ENCLOSED SURFACE MOUNTED							
		120V	240V	480V-600V	Cat. No.	List Price*	NEMA 1 General Purpose		Stainless Steel NEMA 4 Watertight		NEMA 7 and 9 Classes I-D, II-E, F and G Surface-Mounting		NEMA 12† Industrial Use Loom Switch	
							Cat. No.	List Price*	Cat. No.	List Price*	Cat. No.	List Price*	Cat. No.	List Price*
2 (1 Phase)	M-0	1	2	—	C202B	\$33.	C202B1	\$37.	C202B4	\$101.	C202B7	\$141.	C202B2	\$51.
	M-1	2	3	—	C202C	43.	C202C1	47.	C202C4	125.	C202C7	168.	C202C2	61.
	M-1P	3	5	—	C202X	65.	C202X1	69.	C202X4	153.	C202X7	194.	C202X2	83.
3 (3 Phase)	M-0	2	3	5	C203B	40.	C203B1	44.	C203B4	108.	C203B7	149.	C203B2	58.
	M-1	3	7½	10	C203C	50.	C203C1	54.	C203C4	132.	C203C7	176.	C203C2	68.
	M-1P	3	10	—	C203X	70.	C203X1	74.	C203X4	176.	C203X7	217.	C203X2	78.
DC	M-0	1	1½	—	C20DB	33.	C20DB1	37.	C20DB4	101.	C20DB7	141.	C20DB2	51.
	M-1	2	2	—	C20DC	43.	C20DC1	47.	C20DC4	125.	C20DC7	168.	C20DC2	61.
	M-1P	3	3	—	C20DX	65.	C20DX1	69.	C20DX4	153.	C20DX7	194.	C20DX2	83.



NEMA 12

DIMENSIONS, C21, C22



NEMA 1

Number of Poles	NEMA Size	Maximum Horsepower Ratings			FLUSH MOUNTED							
		120V	240V	480V-600V	NEMA 1B1 Flush, Without Enclosure Back		NEMA 1B2 Flush, With Box		NEMA 1B3 Flush, With Pull Box and Plate			
					Cat. No.	List Price*	Cat. No.	List Price*	Cat. No.	List Price*	Cat. No.	List Price*
2 (1 Phase)	M-0	1	2	—	C202BB1	\$51.	C202BB2	\$53.	C202BB3	\$63.	C202BB4	\$73.
	M-1	2	3	—	C202CB1	61.	C202CB2	63.	C202CB3	73.	C202CB4	83.
	M-1P	3	5	—	C202XB1	83.	C202XB2	85.	C202XB3	95.	C202XB4	105.
3 (3 Phase)	M-0	2	3	5	C203BB1	58.	C203BB2	60.	C203BB3	70.	C203BB4	80.
	M-1	3	7½	10	C203CB1	68.	C203CB2	70.	C203CB3	80.	C203CB4	90.
	M-1P	3	10	—	C203XB1	88.	C203XB2	90.	C203XB3	100.	C203XB4	110.
DC	M-0	1	1½	—	C20DBB1	51.	C20DBB2	53.	C20DBB3	63.	C20DBB4	73.
	M-1	2	2	—	C20DCB1	61.	C20DCB2	63.	C20DCB3	73.	C20DCB4	83.
	M-1P	3	3	—	C20DXB1	83.	C20DXB2	85.	C20DXB3	95.	C20DXB4	105.

† Starters with horsepower ratings up to 3 hp, 3 phase, are suitable for group fusing.

* Does not include heater elements. Require 1 for 2 pole and dc, 2 for 3 pole, 2 pairs for Reversing and Two-Speed starters. Select heater elements from table in Section 6.9. Heater elements \$3.00 list each.

DIMENSIONS

Starter Class	Enclosure	Dimensions—Inches		
		Height	Width	Depth
C20	Open	3¾	3¼	4°
	NEMA 1	8½	5¼	3¾
	NEMA 12	9¼	5¼	4
	NEMA 4	10	5½	4½
C21, C22	Open	7½	9¾	4½°
	NEMA 1	10¾	11¼	4½

° With device in "ON" position.

▲ Add 5/16" for bezel (NEMA 1).

■ Add 1½" for bezel (NEMA 12 and NEMA 4).

MODIFICATIONS

Description	Form Letter	List Price
Pilot Light—NEMA 1 or 12	D	\$16.
Pilot Light—NEMA 4, 7, 9	D	54.
Auxiliary Contact, Normally Open	X1	22.
Auxiliary Contact, Normally Closed	X2	22.
JOG-RUN Selector—NEMA 1 or 12	JR	4.

ACCESSORY KITS

Description	Enclosure	NEMA Size	Cat. No.	List Price
Pilot Light	NEMA 1, 12	M-0, M-1, M-1P	E12PPL	\$10.00
Auxiliary Contact, Normally Open	All		F10MO	12.00
Auxiliary Contact, Normally Closed	All		F10MC	12.00
JOG-RUN Selector	All		E12MJ	4.00
Mounting Pedestal—Single Unit	NEMA 1, 12	M-0, M-1, M-1P	C20P1	12.00
Mounting Pedestal—Double Unit	NEMA 1, 12		C20P2	24.00

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REVERSING MANUAL STARTERS

CLASS C21

Number of Poles	NEMA Size	Maximum Horsepower Ratings			OPEN		ENCLOSED	
		120V	240V	480V-600V	Cat. No.	List Price*	NEMA 1 General Purpose	
							Cat. No.	List Price*
3 (3 Phase)	M-0	2	3	5	C213B	\$126.	C213B1	\$138.
	M-1	3	7½	10	C213C	156.	C213C1	168.
	M-1P	3	10	—	C213X	194.	C213X1	206.

TWO-SPEED MANUAL STARTERS

CLASS C22

Number of Poles	NEMA Size	Maximum Horsepower Ratings			OPEN		ENCLOSED	
		120V	240V	480V-600V	Cat. No.	List Price*	NEMA 1 General Purpose	
							Cat. No.	List Price*
3 (3 Phase)	M-0	2	3	5	C223BW	\$126.	C223BW1	\$138.
	M-1	3	7½	10	C223CW	156.	C223CW1	168.
	M-1P	3	10	—	C223XW	194.	C223XW1	206.

SEPARATE WINDING—STAR CONNECTED

3 (3 Phase)	M-0	2	3	5	C223BW	\$126.	C223BW1	\$138.
	M-1	3	7½	10	C223CW	156.	C223CW1	168.

SINGLE WINDING—CONSEQUENT POLE, CONSTANT OR VARIABLE TORQUE

3 (3 Phase)	M-0	2	3	5	C223BT	186.	C223BT1	198.
	M-1	3	7½	10	C223CT	228.	C223CT1	240.

SINGLE WINDING—CONSEQUENT POLE, CONSTANT HORSEPOWER

3 (3 Phase)	M-0	1	2	3	C223BH	186.	C223BH1	198.
	M-1	2	5	7½	C223CH	228.	C223CH1	240.

* Does not include heater elements. Require 1 for 2 pole and dc, 2 for 3 pole, 2 pairs for Reversing and Two-Speed starters. Select heater elements from table in Section 6.9. Heater elements \$3.00 list each.

Supersedes Issue dated July 15, 1967

Lists 17, 18, 19 and E4