

A-C MOTOR CONTROL CENTERS—UNITROL®



3 Pole Combination Starters with Circuit Breakers

WHEN ORDERING SPECIFY

- Class of construction and type of wiring
- Motor control center layout
- Catalog number, voltage frequency and horsepower of individual units
- Heater coils for individual units, see index page 281.

CONTROL CENTER Layout

A convenient printed form for preparing motor control center layouts and presenting ordering information may be obtained from your Cutler-Hammer office.

(For checking list, see page 248.)

SINGLE SPEED

Type and Cat. No.	Maximum H.P. Ratings 3 Phase, 60 Cycles		NEMA Size	Circuit Breaker Type	Price						Dimensions in Inches		Space Factor
	208/220 Volts	440-550 Volts			CLASS I			CLASS II		Extra Space			
					Type A	Type B	Type C	Type B	Type C				
FULL VOLTAGE													
Non-Reversing 9818	7½	10	1	F, FA or EH ②	\$248.	\$282.	\$327.	\$310.	\$355.	\$80.	20	9½ or 14	1
	15	25	2	F	308.	344.	399.	378.	433.	80.	20	14	1
	30	50	3	F	477.	519.	594.	571.	646.	160.	20	18½ or 28	2
	50	100	4	JA or KA	911.	② 987.	② 1062.	② 1086.	② 1161.	160.	20	28	2
	100	200	① 5	LA	1846.	② 1926.	② 2001.	② 2119.	② 2194.	240.	20	42	3
Reversing 9828	7½	10	1	F, FA or EH	\$387.	\$431.	\$506.	\$474.	\$549.	\$160.	20	18½ or 28	2
	15	25	2	F	509.	555.	640.	611.	696.	160.	20	28	2
	30	50	3	F	744.	796.	891.	876.	971.	240.	20	42	3
	50	100	4	JA or KA	1427.	② 1513.	② 1608.	② 1664.	② 1759.	320.	20	42	3
	100	200	① 5	LA	2674.	② 2764.	② 2859.	② 3031.	② 3126.	320.	20	70	5
REDUCED VOLTAGE—TWO STEP—PART WINDING—STAR CONNECTED MOTORS													
Non-Reversing 9836	15	20	1PW	F	\$594.	\$654.	\$734.	\$719.	\$799.	\$160.	20	28	2
	30	50	2PW	F	788.	854.	954.	939.	1039.	240.	20	28	2
	60	100	3PW	JA or KA	1166.	1242.	1362.	1366.	1486.	320.	20	42	3
	100	200	4PW	LA	2096.	① 2222.	① 2342.	① 2444.	① 2564.	400.	20	56	4
REDUCED VOLTAGE—AUTO TRANSFORMER TYPE													
Non-Reversing Closed Transition 9838	15	25	2	F	\$1027.	\$1069.	\$1144.	\$1176.	\$1251.	\$320.	20	42	3
	25	---	---	---	---	---	---	---	---	---	---	---	---
	30	30	3	F	1127.	1169.	1244.	1286.	1361.	320.	20	56	4
	---	50	---	---	---	---	---	---	---	---	---	---	---
	50	---	① 4	JA or KA	2029.	② 2105.	② 2180.	② 2316.	② 2391.	400.	20	70	5
	---	100	---	---	---	---	---	---	---	---	---	---	---
	75	---	---	---	---	---	---	---	---	---	---	---	---
	100	---	① 5	LA	3184.	② 3264.	② 3339.	② 3590.	② 3665.	400.	30	70	5
Recon- nectable Winding Type Motors 9866	---	150	---	---	---	---	---	---	---	---	---	---	---
	---	200	---	---	---	---	---	---	---	---	---	---	---
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TWO SPEED - FULL VOLTAGE NON-REVERSING

Type and Cat. No.	Max. H.P. Ratings 3 Ph. 60 Cy.				NEMA Size	Circuit Breaker Type	Price						Dimensions in Inches		Space Factor
	Constant or Variable Torque		Constant Horsepower				Class I			Class II		Extra Space			
	208/220 Volts	440-550 Volts	208/220 Volts	440-550 Volts			Type A	Type B	Type C	Type B	Type C				
	W	H													
Separate Winding Type Motors 9857	7½	10	3	5	1	F	\$464.	\$524.	\$604.	\$576.	\$656.	\$160.	20	28	2
	15	25	10	20	2	F	601.	667.	767.	734.	834.	160.	20	28	2
	30	50	20	40	3	F	826.	902.	1022.	992.	1112.	240.	20	42	3
	50	100	30	60	4	JA or KA	1593.	② 1719.	② 1839.	② 1891.	② 2011.	400.	20	42	3
	100	200	75	150	① 5	LA	3107.	② 3241.	② 3361.	② 3564.	② 3685.	400.	20	70	5
Reconnectable Winding Type Motors 9866	7½	10	3	5	1	F	\$506.	\$566.	\$646.	\$623.	\$703.	\$160.	20	28	2
	15	25	10	20	2	F	681.	747.	847.	822.	922.	160.	20	28	2
	30	50	20	40	3	F	934.	1010.	1130.	1111.	1231.	240.	20	42	3
	50	100	30	60	4	JA or KA	1957.	② 2083.	② 2203.	② 2291.	② 2411.	400.	20	56	4
	100	200	75	150	① 5	LA	3496.	② 3632.	② 3752.	② 3995.	② 4115.	400.	30	70	5

① Stationary units, not plug-in type.

② Load terminal blocks not provided.

③ Type EH circuit breaker in 480 volts max.; type FA circuit breaker magnetic trip only