

Circuit breaker type A9 - AF750, NEMA rated Reversing, three phase

3

NEMA size	Contactor size	Continuous current	Maximum ratings - UL Listed			UL Type 1 (Indoor metal)		UL type 3R (Outdoor metal)		UL Type 12 (Metal dusttight)	
			Maximum motor horsepower ratings			Catalog number	List price	Catalog number	List price	Catalog number	List price
			200V	230V	460/575V						
UL rated											
00	A9	9	1.5	1.5	2	J2M1-2Δ‡	\$ 1,185	J2M3-2Δ‡	\$ 1,365	J2M2-2Δ‡	\$ 1,365
0	A16	18	3	3	5	K2M1-2Δ‡	1,335	K2M3-2Δ‡	1,515	K2M2-2Δ‡	1,515
1	A26	27	7.5	7.5	10	L2M1-2Δ‡	1,478	L2M3-2Δ‡	1,658	L2M2-2Δ‡	1,658
2	A50	45	10	15	25	M2M1-2Δ‡	2,468	M2M3-2Δ‡	2,648	M2M2-2Δ‡	2,648
3	A75	90	25	30	50	N2M1-2Δ‡	3,705	N2M3-2Δ‡	4,035	N2M2-2Δ‡	4,035
4	A145	135	40	50	100	P2M1-2Δ‡	6,285	P2M3-2Δ‡	7,470	P2M2-2Δ‡	7,470
5	A260	270	75	100	200	Q2M1-2Δ‡	14,645	Q2M3-2Δ‡	14,640	Q2M2-2Δ‡	14,640
6	AF460	540	150	200	400	R2M1-70Δ‡	31,635	R2M3-70Δ‡	33,435	R2M2-70Δ‡	33,435
7	AF750	810	—	300	600	S2M1-70Δ‡	42,885	S2M3-70Δ‡	46,065	S2M2-70Δ‡	46,065

Δ Overload relay suffix code. Select from the overload relay selection chart on pages 3.6 - 3.7. Overload relays are required for all combination starters. If overload relay is provided by customer, substitute an "X" in place of the Δ and then subtract list price of overload relay from combination starter's list price.

‡ MCP or breaker rating. See codes on page 3.51.

Example: A9NSRM1-84X \$ 1185 List
- 63 - OLR
\$ 1122 Net price

Coil voltage selection

All AC operated catalog numbers include a 120VAC coil. To select other coil voltages, substitute the code from the Coil Voltage Selection Chart for the suffix code after the last dash in the catalog number.

Ex.: A 240V coil is required for an A75 starter: N2M1-4Δ

To select starter with control transformer, substitute the code from the Control transformer voltage selector chart for the two digits after the last dash in the catalog number.

Ex.: A 480V primary voltage with a 120V secondary voltage is required for an A75 starter: N2M1-CF

Coil voltage selection – A9 - A300

Hz	Contactor type	Volts									
		24	110	120	208	220	240	440	480	500	600
60	A	1		2	3						
50	A	1	2			4				7	

Coil voltage selection – AF400 - AF750 ①

Hz	Contactor type	Volts	
		100 - 250	250 - 500
50/60	AF	70	71

Control transformer voltage selection chart

Hz	Volts				
	Type	200-208/120	240/120	460 - 480/120	575 - 600/120
	A/AF	A	B	C	D
50/60	Type	200-208/24	240/24	460 - 480/24	575 - 600/24
	A/AF	E	F	G	H

Maximum short circuit rating for UL listed combination starters

Contactor	Maximum MCP 480VAC	KA at 480VAC	MCP 600VAC	KA at 600VAC
A9	S3L050MW	35	S3L010MW	35
A12	S3L050MW	35	S3L010MW	35
A16	S3L050MW	35	—	—
A26	S3L100MW	35	S3L100MW	35
A30	S3L150MW	65	—	—
A40	S3L150MW	65	—	—
A50	S3L150MW	85	S3L150MW	35
A63	S4L250MW	85	—	—
A75	S4L250MW	85	—	—
A95	S4L250MW	85	S4L250MW	35
A110	S4L250MW	85	S4L250MW	35
A145	S5L400MW	65	S4L250MW	10
A185	S5L400MW	85	S4L250MW	10
A210	S6L800MW	85	S4L250MW	18
A260	S6L800MW	85	S5L400MW	18
A300	S6L800MW	85	S5L400MW	18
AF400	S7H1200MW	85	Consult factory	
AF460	S7H1200MW	85		
AF580	S7H1200MW	85		
AF750	S7H1200MW	85		

For thermal magnetic molded case breakers, consult factory.

Factory modifications

See page 3.3

Control transformer option

Contactor size	VA rating	List price adder
A9 - A40	50	\$ 360
A50 - A75	75	435
A95 - A110	100	560
A145 - A185	150	720
A210 - A300	250	795
AF400 - AF460	150	720
AF580 - AF750	250	795

Reference page 3.50 for extra VA under all (Control Transformer Options chart)

NOTES: MCPs are supplied as standard. Thermal magnetic/electronic trip type breakers can be supplied by substituting the letter "B" in place of the "M". List price is the same.

Example: J2B1-2Δ‡, \$ 1185.00.

For AF50 - AF300 starters, consult factory.

① AF400 - AF750 only.

Circuit breaker type A9 - AF750, NEMA rated Reversing, three phase

Combination
starters

3

UL Type 4 (Watertight)		UL Type 4X (Stainless steel)		UL Type 1, 3R, 4, 4X & 12 (Plastic)	
Catalog number	List price	Catalog number	List price	Catalog number	List price
UL rated					
J2M4-2Δ‡	\$ 1,515	J2MX-2Δ‡	\$ 2,090	J2MP-2Δ‡	\$ 1,320
K2M4-2Δ‡	1,688	K2MX-2Δ‡	1,335	K2MP-2Δ‡	1,470
L2M4-2Δ‡	1,800	L2MX-2Δ‡	2,405	L2MP-2Δ‡	1,703
M2M4-2Δ‡	2,963	M2MX-2Δ‡	3,988	M2MP-2Δ‡	2,618
N2M4-2Δ‡	4,200	N2MX-2Δ‡	5,210	N2MP-2Δ‡	3,855
P2M4-2Δ‡	7,950	P2MX-2Δ‡	9,885	P2MP-2Δ‡	7,620
Q2M4-2Δ‡	15,450	Q2MX-2Δ‡	21,735	Q2MP-2Δ‡	15,000
R2M4-70Δ‡	35,850	R2MX-70Δ‡	41,280	—	—
S2M4-70Δ‡	48,338	S2MX-70Δ‡	56,385	—	—

Δ Overload relay suffix code. Select from the overload relay selection chart on pages 3.6 - 3.7. Overload relays are required for all combination starters. If overload relay is provided by customer, substitute an "X" in place of the Δ and then subtract list price of overload relay from combination starter's list price.

‡ MCP or breaker rating. See codes on page 3.51.

Motor circuit protector data

Motor full load amperes	MCP continuous rating	Suffix code ‡	Catalog number	Starter size	1.5X	2X	4X	5X	6X	7X	8X	9X	10X	11X	12X
.92 – 2.76	3	1	S3L003MW	0	—	—	12	15	18	21	24	27	30	33	36
1.53 – 4.61	5	2	S3L005MW	0	—	—	20	25	30	35	40	45	50	55	60
3.07 – 9.23	10	3	S3L010MW	0	—	—	40	50	60	70	80	90	100	110	120
7.69 – 23.08	25	4	S3L025MW	1	—	—	100	125	150	175	200	225	250	275	300
15.38 – 46.15	50	5	S3L050MW	2	—	—	200	250	300	350	400	450	500	550	600
30.77 – 92.31	100	6	S3L100MW	3	—	—	400	500	600	700	800	900	1000	1100	1200
46.15 – 138.46	150	7	S3L150MW	4	—	—	600	750	900	1050	1200	1350	1500	1650	1800
28.85 – 230.77	250	8	S4L250MW	4	375	500	1000	—	1500	—	2000	—	2500	—	3000
46.15 – 369.23	400	9	S5L400MW	5	600	800	1600	—	2400	—	3200	—	4000	—	4800
69.23 – 553.85	600	C	S6L600MW	6	900	1200	2400	—	3600	—	4800	—	6000	—	7200
92.31 – 738.46	800	E	S6L800MW	7	1200	1600	3200	—	4800	—	6400	—	8000	—	9600
115.38 – 923.07	1000	G	S7H1000MW	7	1500	2000	4000	—	6000	—	8000	—	10,000	—	12,000
138.46 – 1107.69	1200	H	S7H1200MW	7	1800	2400	4800	—	7200	—	9600	—	12,000	—	14,400