

# Reversing A9 - AF750 Three phase

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UL motor switching current	Contactor size	Maximum ratings - UL Listed				Open type	UL Type 1 (Indoor metal)		UL type 3R (Outdoor metal)			
		Maximum motor horsepower ratings					Catalog number	List price	Catalog number	List price	Catalog number	List price
		200/208V	230/240V	480/480V	575/600V							
<b>UL rated</b>												
9	A9	2	2	5	7.5	12-2Δ	\$ 342	121-2Δ	\$ 510	123-2Δ	\$ 630	
11	A12	3	3	7.5	10	22-2Δ	387	221-2Δ	585	223-2Δ	705	
17	A16	5	5	10	15	32-2Δ	443	321-2Δ	630	323-2Δ	750	
28	A26	7.5	10	20	25	42-2Δ	503	421-2Δ	810	423-2Δ	900	
34	A30	10	10	25	30	52-2Δ	675	521-2Δ	953	523-2Δ	1,043	
42	A40	10	15	30	40	62-2Δ	765	621-2Δ	1,080	623-2Δ	1,305	
54	A50	15	20	40	50	72-2Δ	1,152	721-2Δ	1,395	723-2Δ	1,763	
65	A63	20	25	50	50	82-2Δ	1,515	821-2Δ	1,780	823-2Δ	2,310	
80	A75	25	30	60	75	92-2Δ	1,620	921-2Δ	1,905	923-2Δ	2,813	
110	A110	30	40	75	100	A2-2Δ	1,800	A21-2Δ	2,970	A23-2Δ	3,630	
130	A145	40	50	100	125	B2-2Δ	2,997	B21-2Δ	3,570	B23-2Δ	4,275	
156	A185	50	60	125	150	C2-2Δ	3,996	C21-2Δ	4,755	C23-2Δ	5,215	
192	A210	60	75	150	200	D2-2Δ	4,650	D21-2Δ	5,580	D23-2Δ	6,255	
248	A260	75	100	200	250	E2-2Δ	5,436	E21-2Δ	7,615	E23-2Δ	8,355	
302	A300	100	100	250	300	F2-2Δ	6,190	F21-2Δ	8,070	F23-2Δ	8,835	
414	AF400	125	150	350	400	G2-70Δ	7,980	G21-70Δ	15,450	G23-70Δ	16,125	
480	AF460	150	200	400	500	H2-70Δ	14,550	H21-70Δ	22,482	H23-70Δ	23,230	
590	AF580	200	250	500	600	T2-70Δ	19,755	T21-70Δ	25,800	T23-70Δ	26,250	
810	AF750	250	300	600	700	U2-70Δ	21,105	U21-70Δ	29,250	U23-70Δ	30,225	

<b>NEMA rated</b>											
NEMA size	Contactor size	Continuous current	200V	230V	460/575V						
00	A9	9	1.5	1.5	2	J2-2Δ	\$ 342	J21-2Δ	\$ 510	J23-2Δ	\$ 630
0	A16	18	3	3	5	K2-2Δ	443	K21-2Δ	630	K23-2Δ	750
1	A26	27	7.5	7.5	10	L2-2Δ	503	L21-2Δ	810	L23-2Δ	900
2	A50	45	10	15	25	M2-2Δ	1,152	M21-2Δ	1,395	M23-2Δ	1,763
3	A75	90	25	30	50	N2-2Δ	1,620	N21-2Δ	1,905	N23-2Δ	2,813
4	A145	135	40	50	100	P2-2Δ	2,997	P21-2Δ	3,570	P23-2Δ	4,275
5	A260	270	75	100	200	Q2-2Δ	5,436	Q21-2Δ	7,615	Q23-2Δ	8,355
6	AF460	540	150	200	400	R2-70Δ	14,550	R21-70Δ	22,482	R23-70Δ	23,230
7	AF750	810	—	300	600	S2-70Δ	21,105	S21-70Δ	29,250	S23-70Δ	30,225

Δ Overload relay suffix code. Select from the overload relay selection chart on pages 3.6 - 3.7.

### 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: 92-4F

### D.C. operated starters

If DC operation is required, 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 3.3 for Extra VA under all (Control Transformer Options chart)

### Coil voltage selection – A9 - A300

Hz	Contactor type	Volts									
		24	110	120	208	220	240	440	480	500	600
60	A	1		2	3		4	5	6		7
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

NOTE: For AF50 - AF 300 starters, consult factory.

① AF400 - AF750 only.

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UL Type 12 (Metal dustight)		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	Catalog number	List price
<b>UL rated</b>							
122-2Δ	<b>\$ 630</b>	124-2Δ	<b>\$ 810</b>	12X-2Δ	<b>\$ 1,125</b>	12P-2Δ	<b>\$ 608</b>
222-2Δ	<b>705</b>	224-2Δ	<b>915</b>	22X-2Δ	<b>1,230</b>	22P-2Δ	<b>683</b>
322-2Δ	<b>750</b>	324-2Δ	<b>990</b>	32X-2Δ	<b>1,313</b>	32P-2Δ	<b>765</b>
422-2Δ	<b>900</b>	424-2Δ	<b>1,125</b>	42X-2Δ	<b>1,725</b>	42P-2Δ	<b>960</b>
522-2Δ	<b>1,043</b>	524-2Δ	<b>1,313</b>	52X-2Δ	<b>1,868</b>	52P-2Δ	<b>1,103</b>
622-2Δ	<b>1,305</b>	624-2Δ	<b>1,500</b>	62X-2Δ	<b>2,010</b>	62P-2Δ	<b>1,230</b>
722-2Δ	<b>1,763</b>	724-2Δ	<b>1,875</b>	72X-2Δ	<b>2,213</b>	72P-2Δ	<b>1,530</b>
822-2Δ	<b>2,310</b>	824-2Δ	<b>2,588</b>	82X-2Δ	<b>3,143</b>	82P-2Δ	<b>1,695</b>
922-2Δ	<b>2,813</b>	924-2Δ	<b>3,113</b>	92X-2Δ	<b>3,600</b>	92P-2Δ	<b>2,250</b>
A22-2Δ	<b>3,630</b>	A24-2Δ	<b>3,900</b>	A2X-2Δ	<b>4,479</b>	A2P-2Δ	<b>3,230</b>
B22-2Δ	<b>4,275</b>	B24-2Δ	<b>4,650</b>	B2X-2Δ	<b>5,665</b>	B2P-2Δ	<b>3,804</b>
C22-2Δ	<b>5,215</b>	C24-2Δ	<b>5,550</b>	C2X-2Δ	<b>6,555</b>	C2P-2Δ	<b>4,640</b>
D22-2Δ	<b>6,255</b>	D24-2Δ	<b>6,640</b>	D2X-2Δ	<b>7,680</b>	D2P-2Δ	<b>5,566</b>
E22-2Δ	<b>8,355</b>	E24-2Δ	<b>9,340</b>	E2X-2Δ	<b>11,995</b>	E2P-2Δ	<b>7,434</b>
F22-2Δ	<b>8,835</b>	F24-2Δ	<b>10,015</b>	F2X-2Δ	<b>12,055</b>	F2P-2Δ	<b>7,861</b>
G22-70Δ	<b>16,125</b>	G24-70Δ	<b>17,100</b>	G2X-70Δ	<b>20,690</b>	Consult factory	—
H22-70Δ	<b>23,230</b>	H24-70Δ	<b>23,625</b>	H2X-70Δ	<b>24,250</b>	Consult factory	—
T22-70Δ	<b>26,250</b>	T24-70Δ	<b>27,000</b>	T2X-70Δ	<b>28,500</b>	Consult factory	—
U22-70Δ	<b>30,225</b>	U24-70Δ	<b>31,275</b>	U2X-70Δ	<b>32,625</b>	Consult factory	—
<b>NEMA rated</b>							
J22-2Δ	<b>\$ 630</b>	J24-2Δ	<b>\$ 810</b>	J2X-2Δ	<b>\$ 1,125</b>	J2P-2Δ	<b>\$ 608</b>
K22-2Δ	<b>750</b>	K24-2Δ	<b>990</b>	K2X-2Δ	<b>1,313</b>	K2P-2Δ	<b>765</b>
L22-2Δ	<b>900</b>	L24-2Δ	<b>1,125</b>	L2X-2Δ	<b>1,725</b>	L2P-2Δ	<b>960</b>
M22-2Δ	<b>1,763</b>	M24-2Δ	<b>1,875</b>	M2X-2Δ	<b>2,213</b>	M2P-2Δ	<b>1,530</b>
N22-2Δ	<b>2,813</b>	N24-2Δ	<b>3,113</b>	N2X-2Δ	<b>3,600</b>	N2P-2Δ	<b>2,250</b>
P22-2Δ	<b>4,275</b>	P24-2Δ	<b>4,650</b>	P2X-2Δ	<b>5,665</b>	P2P-2Δ	<b>3,804</b>
Q22-2Δ	<b>8,355</b>	Q24-2Δ	<b>9,340</b>	Q2X-2Δ	<b>11,995</b>	Q2P-2Δ	<b>7,434</b>
R22-70Δ	<b>23,230</b>	R24-70Δ	<b>23,625</b>	R2X-70Δ	<b>24,250</b>	Consult factory	—
S22-70Δ	<b>30,225</b>	S24-70Δ	<b>31,275</b>	S2X-70Δ	<b>32,625</b>	Consult factory	—

Δ Overload relay suffix code. Select from the overload relay selection chart on pages 3.6 - 3.7.