


Pump Control Panels

Standard Pump Panel with Solid State Overload, Class 87

Selection

	Ordering Information <ul style="list-style-type: none"> ▶ Field Modification Kits see page 17-93. ▶ Factory Modifications see page 17-108. ▶ Dimensions see page 17-141. ▶ Wiring Diagrams see page 17-158. ▶ Replacement Parts see page 17-170. ▶ Sizes 1-4 will be supplied standard with a 240/480 volt coil. To change the coil voltage, change the 8th character in the catalog number to the letter shown in the coil table. ▶ Sizes 5 & 6 will be supplied standard with a 480 volt coil. To change the coil voltage, change the 8th character in the catalog number to the letter shown in the coil table. 	Coil Table <table border="1"> <thead> <tr> <th>60Hz Voltage</th> <th>Letter</th> </tr> </thead> <tbody> <tr> <td>24 Separate Control</td> <td>J</td> </tr> <tr> <td>120 Separate Control</td> <td>F</td> </tr> <tr> <td>110-120/220-240</td> <td>A[ⓐ]</td> </tr> <tr> <td>200-208</td> <td>D</td> </tr> <tr> <td>220-240</td> <td>G</td> </tr> <tr> <td>220-240/440-480</td> <td>C[ⓐ]</td> </tr> <tr> <td>277</td> <td>L</td> </tr> <tr> <td>440-480</td> <td>H</td> </tr> <tr> <td>550-600</td> <td>E</td> </tr> </tbody> </table>	60Hz Voltage	Letter	24 Separate Control	J	120 Separate Control	F	110-120/220-240	A [ⓐ]	200-208	D	220-240	G	220-240/440-480	C [ⓐ]	277	L	440-480	H	550-600	E
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Fusible Disconnect

Max Hp				NEMA Size	Half Size	Overload		Disc. Amp Range	Fuse Clip Amp / Volts	Catalog Number	List Price \$
200 Volts	230 Volts	460 Volts	575 Volts			Amp Range	Frame Size				
—	—	1	1	1	—	0.75-3.4 [ⓐ]	A	30	30A/600V	87DUB6FC	
—	—	5	5	1	—	3-12	A1	30	30A/600V	87DUC6FC	
—	—	10	10	1	—	5.5-22	A1	30	30A/600V	87DUD6FC	
—	—	10	10	1	—	5.5-22	A1	60	60A/600V	87DUD60C	
—	—	15	15	—	1½	10-40	A1	30	30A/600V	87EUE6FC	
—	—	15	15	—	1½	10-40	A1	60	60A/600V	87EUE60C	
—	—	25	25	2	—	13-52	B	60	60A/600V	87FUF6FC	
—	—	25	25	2	—	13-52	B	100	100A/600V	87FUF60C	
—	—	30	30	—	2½	25-100	B	60	60A/600V	87GUG6FC	
—	—	30	30	—	2½	25-100	B	100	100A/600V	87GUG60C	
—	—	50	50	3	—	25-100	B	100	100A/600V	87HUG6FC	
—	—	50	50	3	—	25-100	B	200	200A/600V	87HUG60C	
—	—	75	75	—	3½	50-200	B	200	200A/600V	87IUH6FC	
—	—	100	100	4	—	50-200	B	200	200A/600V	87JUH6FC	
—	—	200	200	5	—	55-250	—	400	400A/600V	87LPU6FH	
—	—	250	—	6	—	160-630	—	600	600A/600V	87MSW6FH	
2	2	—	—	1	—	3-12	A1	30	30A/250V	87DUC6LC	
3	3	—	—	1	—	5.5-22	A1	30	30A/250V	87DUD6LC	
7½	7½	—	—	1	—	10-40	A1	30	30A/250V	87DUE6LC	
7½	7½	—	—	1	—	10-40	A1	60	60A/250V	87DUE6PC	
10	10	—	—	—	1½	10-40	A1	60	60A/250V	87EUE6LC	
10	15	—	—	2	—	13-52	B	60	60A/250V	87FUF6LC	
10	15	—	—	2	—	13-52	B	100	100A/250V	87FUF6PC	
15	20	—	—	—	2½	25-100	B	60	60A/250V	87GUG6LC	
15	20	—	—	—	2½	25-100	B	100	100A/250V	87GUG6PC	
20	30	—	—	3	—	25-100	B	100	100A/250V	87HUG6LC	
25	30	—	—	3	—	25-100	B	200	200A/250V	87HUG6PC	
30	40	—	—	—	3½	50-200	B	200	200A/250V	87IUH6LC	
40	50	—	—	4	—	50-200	B	200	200A/250V	87JUH6LC	
75	100	—	—	5	—	55-250	—	400	400A/250V	87LPU6LG	

Circuit Breaker

Max Hp				NEMA Size	Half Size	Overload		Motor Circuit Interrupter ETI Amps	Catalog Number	List Price \$
200 Volts	230 Volts	460 Volts	575 Volts			Amp Range	Frame Size			
½	½	1	1	1	—	0.75-3.4 [ⓐ]	A	3	87DUB6MC	
2	2	5	5	1	—	3-12	A1	10	87DUC6MC	
3	3	10	10	1	—	5.5-22	A1	25	87DUD6MC	
7½	7½	10	—	1	—	10-40	A1	30	87DUE6MC	
—	—	15	15	—	1½	10-40	A1	40	87EUE6MC	
10	15	25	25	2	—	13-52	B	50	87FUF6MC	
15	20	30	30	—	2½	25-100	B	100	87GUG6MC	
25	30	50	50	3	—	25-100	B	100	87HUG6MC	
30	40	75	75	—	3½	50-200	B	125	87IUH6MC	
40	50	100	100	4	—	50-200	B	150	87JUH6MC	
50	75	150	200	5	—	55-250	—	250	87LPT6MH	
75	100	200	200	5	—	55-250	—	400	87LPU6MH	
100	125	250	300	6	—	160-630	—	400	87MSW6MH	
150	200	400	400	6	—	160-630	—	600	87MSX6MH	

Note: All starter sizes carry one maximum Hp rating (per the National Electric Code).

[ⓐ] Not available on Size 5 and larger.

[ⓑ] For an overload amp range of 0.25-1A, change the 5th character from a 'B' to an 'A'.

Pump Control Panels

Pump Panel with Ambient Compensated Bimetal Overload, Class 87

Selection

Ordering Information	Coil Table	
<ul style="list-style-type: none"> ▶ Heater elements for bimetal overloads see page 17-163 (6-Required). ▶ Field Modification Kits see page 17-93. ▶ Factory Modifications see page 17-108. ▶ Dimensions see page 17-141. ▶ Wiring Diagrams see page 17-158. ▶ Replacement Parts see page 17-170. ▶ Sizes 1-4 will be supplied standard with a 230/480 volt coil. To change the coil voltage, change the 8th character in the catalog number to the letter shown in the coil table. ▶ Sizes 5 & 6 will be supplied standard with a 480 volt coil. To change the coil voltage, change the 8th character in the catalog number to the letter shown in the coil table. 	60Hz Voltage	Letter
	24 Separate Control 120 Separate Control 110-120/220-240 200-208 220-240 220-240/440-480 277 440-480 550-600	J F A [Ⓞ] D G C [Ⓞ] L H E

Fusible Disconnect

Max HP				NEMA Size	Half Size	Disc Amp Rating	Fuse Clip Amps/Volts	Catalog Number	List Price \$
200V	230V	460V	575V						
—	—	10	10	1	—	30	30A/600V	87DAE6FC	
—	—	10	10	1	—	60	60A/600V	87DAE60C	
—	—	15	15	—	1¼	30	30A/600V	87EAF6FC	
—	—	15	15	—	1¼	60	60A/600V	87EAF60C	
—	—	25	25	2	—	60	60A/600V	87FAJ6FC	
—	—	25	25	2	—	100	100A/600V	87FAJ60C	
—	—	30	30	—	2½	60	60A/600V	87GAK6FC	
—	—	30	30	—	2½	100	100A/600V	87GAK60C	
—	—	50	50	3	—	100	100A/600V	87HAN6FC	
—	—	50	50	3	—	200	200A/600V	87HAN60C	
—	—	75	75	—	3½	200	200A/600V	87IAP6FC	
—	—	100	100	4	—	200	200A/600V	87JAR6FC	
7½	7½	—	—	1	—	30	30A/250V	87DAE6LC	
7½	7½	—	—	1	—	60	60A/250V	87DAE6PC	
10	10	—	—	—	1¼	60	60A/250V	87EAG6LC	
10	15	—	—	2	—	60	60A/250V	87FAJ6LC	
10	15	—	—	2	—	100	100A/250V	87FAJ6PC	
15	20	—	—	—	2½	100	100A/250V	87GAL6LC	
25	30	—	—	3	—	100	100A/250V	87HAN6LC	
25	30	—	—	3	—	200	200A/250V	87HAN6PC	
30	40	—	—	—	3½	200	200A/250V	87IAP6LC	
40	50	—	—	4	—	200	200A/250V	87JAR6LC	

Circuit Breaker

Max HP				NEMA Size	Half Size	Motor Circuit Interrupter ETI Amps	Catalog Number	List Price \$
200V	230V	460V	575V					
½	½	1	1	1	—	3	87DAA6MC	
1	1	3	3	1	—	10	87DAB6MC	
3	3	7½	7½	1	—	25	87DAD6MC	
7½	7½	10	10	1	—	30	87DAE6MC	
7½	7½	15	15	—	1¼	40	87EAF6MC	
10	10	—	—	—	1¼	50	87EAG6MC	
—	—	15	20	2	—	40	87FAH6MC	
10	15	25	25	2	—	50	87FAJ6MC	
—	—	30	30	—	2½	50	87GAK6MC	
15	20	—	—	—	2½	100	87GAL6MC	
25	30	50	50	3	—	100	87HAN6MC	
30	40	75	75	—	3½	125	87IAP6MC	
40	50	100	100	4	—	150	87JAR6MC	

Note: Hp's shown above are based on the overload amp range for the FLA's (per the National Electric Code) of typical industrial motors. All starter sizes carry one maximum Hp rating.

Ⓞ Not available on Size 5 or above.

Vacuum Break and Oil Well Pump Control Panels

Selection

Ordering Information	Coil Table	
<ul style="list-style-type: none"> ▶ Field Modification Kits see page 17-93. ▶ Factory Modifications see page 17-108. ▶ Dimensions see page 17-141. ▶ Wiring Diagrams see page 17-158. ▶ Replacement Parts see page 17-170. ▶ Replace the (*) in the catalog number with a letter from the coil table. ▶ Refer to page 17-49 for information on the 958L OLR 	60Hz Voltage	Letter
	24 Separate Control	J
	120 Separate Control	F
	200-208	D
	220-240	G
277	L	
440-480	H	
550-600	E	

Vacuum Break Pump Control Panels (Vacuum Contactor with Trip Class 10 Solid-State Overload Relay)

Max Hp		NEMA Size	Overload Relay Range	Fusible Disconnect			Circuit Breaker		
480 Volts	575 Volts			Fuse Clip Amps/Volts	Catalog Number	List Price \$	MCI Amps	Catalog Number	List Price \$
100	100	4	55-250A	200A/600V	87JCM4F*		250A	87JCM4M*	
200	200	5	55-250A	400A/600V	87LCU4F*		400A	87LCT4M*	
250	300	6	160-630A	—	—		400A	87MCW4M*	
400	400	6	160-630A	—	—		600A	87MCX4M*	

Oil Well Pump Control Panels (Open Air Contactor with 958L Solid-State Overload Relay)

Max Hp		NEMA Size	Overload Relay Range	Fusible Disconnect			Circuit Breaker		
480 Volts	575 Volts			Fuse Clip Amps/Volts	Catalog Number	List Price \$	MCI Amps	Catalog Number	List Price \$
25	25	2	13-52	60A/600V	87FPI6F*		50	87FPI6M*	
50	50	3	25-100	100A/600V	87HPK6F*		100	87HPK6M*	
100	100	4	50-200	200A/600V	87JPM6F*		150	87JPM6M*	

NEMA & General Purpose Control

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Note: Hp's shown above are based on the overload amp range for the FLA's (per the National Electric Code) of typical industrial motors. All starter sizes carry one maximum Hp rating.