



Single-Phase Motors & Controls

MOTOR MAINTENANCE

Table 51 Integral Horsepower Control Box Parts 60 Hz

MOTOR SIZE	MOTOR RATING HP	CONTROL BOX (1) MODEL NO.	CAPACITORS				OVERLOAD (2) PART NO.	RELAY (3) PART NO.	CONTACTOR (2) PART NO.
			PART NO. (2)	MFD.	VOLTS	QTY.			
4"	1 - 1.5 STANDARD	282 300 8110 (See Note 5)	275 464 113 S	105-126	220	1	275 411 107	155 031 102	
			155 328 102 R	10	370	1			
		282 300 8110 (See Note 5)	275 464 137 S	105-126	220	1	275 411 114 S	155 031 102	
		282 300 8610	155 328 101 R	15	370	1	275 411 113 M	155 031 102	
4"	2 STANDARD	282 301 8110	275 464 113 S	105-126	220	1	None (See Note 4)	155 031 102	
			155 328 103 R	20	370	1	275 411 117 S	155 031 102	
4"	2 DELUXE	282 301 8310	275 464 137 S	105-126	220	1	275 411 117 S	155 031 102	155 325 102 L
			155 328 103 R	20	370	1	275 411 113 M	155 031 102	
4"	3 STANDARD	282 302 8110	275 463 123 S	208-250	220	1	275 411 118 S	155 031 102	
			155 327 109 R	45	370	1	275 411 115 M	155 031 102	
4"	3 DELUXE	282 302 8310	275 463 123 S	208-250	220	1	275 411 118 S	155 031 102	155 325 102 L
			155 327 109 R	45	370	1	275 411 115 M	155 031 102	
4" & 6"	5 STANDARD	282 113 8110	275 468 119 S	270-324	330	1	275 411 119 S	155 031 601	
			155 327 114 R	40	370	2	275 406 102 M	155 031 601	
4" & 6"	5 DELUXE	282 113 9310	275 468 119 S	270-324	330	1	275 411 119 S	155 031 601	155 326 101 L
			155 327 114 R	40	370	2	275 406 102 M	155 031 601	
6"	7.5 STANDARD	282 201 9210	275 468 119 S	270-324	330	1	275 411 102 S	155 031 601	
			275 468 118 S	216-259	330	1	275 406 122 M	155 031 601	
			155 327 109 R	45	370	1			
6"	7.5 DELUXE	282 201 9310	275 468 119 S	270-324	330	1	275 411 102 S	155 031 601	155 326 102 L
			275 468 118 S	216-259	330	1	275 406 121 M	155 031 601	
			155 327 109 R	45	370	1			
6"	10 STANDARD	282 202 9210	275 468 119 S	270-324	330	1	275 406 103 S	155 031 601	
			275 468 120 S	350-420	330	1	155 409 101 M	155 031 601	
			155 327 102 R	35	370	2			
6"	10 STANDARD	282 202 9230	275 463 120 S	130-154	330	1	275 406 103 S	155 031 601	
			275 468 118 S	216-259	330	1			
			275 468 119 S	270-324	330	1			
			155 327 102 R	35	370	2	155 409 101 M	155 031 601	
6"	10 DELUXE	282 202 9310	275 468 119 S	270-324	330	1	275 406 103 S	155 031 601	155 326 102 L
			275 468 120 S	350-420	330	1	155 409 101 M	155 031 601	
			155 327 102 R	35	370	2			
6"	10 DELUXE	282 202 9330	275 463 120 S	130-154	330	1	275 406 103 S	155 031 601	155 326 102 L
			275 468 118 S	216-259	330	1			
			275 468 119 S	270-324	330	1			
			155 327 102 R	35	370	2	155 409 101 M	155 031 601	
6"	15 DELUXE	282 203 9310	275 468 120 S	350-420	330	2	275 406 103 S	155 031 601	155 429 101 L
			155 327 109 R	45	370	3	155 409 102 M	155 031 601	
6"	15 DELUXE	282 203 9330	275 463 122 S	161-193	330	1	275 406 103 S	155 031 601	155 429 101 L
			275 468 119 S	270-324	330	2			
			155 327 109 R	45	370	3	155 409 102 M	155 031 601	
6"	15 X-LARGE	282 203 9621	275 468 120 S	350-420	330	2	275 406 103 S	155 031 601	155 429 101 L
			155 327 109 R	45	370	3	155 409 102 M	2 required	

FOOTNOTES:

- (1) Surge arrestors 150 814 902 are suitable for all control boxes.
- (2) S = Start, M = Main, L = Line, R = Run
Deluxe = Control box with line contactor.
- (3) For 208 Volt systems or where line voltage is between 200 volts and 210 volts, a low voltage relay is required. On 3 hp and smaller control boxes use relay part 155 031 103 in place of 155 031 102 and use the next larger cable size than specified in the 230 Volt table. On 5 hp and larger use relay 155 031 602 in place of 155 031 601 and next larger wire. Boost transformers per page 15 are an alternative to special relays and cable.
- (4) Control box model 282 300 8610 is designed for use with motors having internal overload protectors. If used with a 1.5 hp motor manufactured prior to date code 06H18, Overload/ Capacitor Kit 305 388 901 is required.
- (5) Control box model 282 300 8110 with date code 11C19 (March 2011) and newer contain 15 MFD run capacitor and both start and run overloads. This box is designed for use with any Franklin 1.5 hp motor.



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Table 52 Integral hp Capacitor Replacement Kits

CAPACITOR NUMBER	KIT
275 463 120	305 206 920
275 463 122	305 206 922
275 463 123	305 206 923
275 464 113	305 207 913
275 464 137	305 207 937
275 468 118	305 208 918
275 468 119	305 208 919
275 468 120	305 208 920
155 327 101	305 203 901
155 327 102	305 203 902
155 327 109	305 203 909
155 327 114	305 203 914
155 328 101	305 204 901
155 328 102	305 204 902
155 328 103	305 204 903

Table 52A Integral hp Overload Replacement Kits

OVERLOAD NUMBER	KIT
275 406 102	305 214 902
275 406 103	305 214 903
275 406 121	305 214 921
275 406 122	305 214 922
275 411 102	305 215 902
275 411 107	305 215 907
275 411 108	305 215 908
275 411 113	305 215 913
275 411 114	305 215 914
275 411 115	305 215 915
275 411 117	305 215 917
275 411 118	305 215 918
275 411 119	305 215 919

Table 52B Integral hp Voltage Relay Replacement Kits

RELAY NUMBER	KIT
155 031 102	305 213 902
155 031 103	305 213 903
155 031 601	305 213 961
155 031 602	305 213 962

Table 52C Integral hp Contactor Replacement Kits

CONTACTOR	KIT
155 325 102	305 226 902
155 326 101	305 347 903
155 326 102	305 347 902
155 429 101	305 347 901

FOOTNOTES:

- (1) The following kit number changes were made for number consistency purposes only. Parts in the kit did not change.
 305 206 922 was 305 206 912
 305 206 923 was 305 206 911
 305 213 962 was 305 213 904
 305 226 902 was 305 226 901