



Across-the-Line Starter

Bulletin 9101

OVERLOAD RELAY HEATER COILS

The table below is for use with 40° Centigrade rise motors. Coils selected from this table will allow a maximum of approximately 125% of rated motor current. If protection is wanted at 140% of rated motor current, use one size larger heater coil than as listed. For 50° Centigrade rise motors, use one size smaller heater coil than as listed.

Ampere Rating of 40 C Rise Motor		Cat. No. of Heater (One Coil)	Ampere Rating Stamped on Heater Coil
Min	Max		
.200-	.223	H59	.25
.224-	.239	H60	.28
.240-	.271	H61	.30
.272-	.295	H62	.34
.296-	.327	H63	.37
.328-	.359	H64	.41
.360-	.391	H65	.45
.392-	.439	H33	.49
.440-	.487	H34	.55
.488-	.535	H35	.61
.536-	.583	H36	.67
.584-	.639	H37	.73
.640-	.703	H38	.80
.704-	.767	H1	.88
.768-	.879	H2	.96
.880-	.959	H3	1.1
.960-	1.03	H4	1.2
1.04 -	1.11	H5	1.3
1.12 -	1.27	H6	1.4
1.28 -	1.35	H7	1.6
1.36 -	1.51	H3	1.7
1.52 -	1.67	H8	1.9
1.68 -	1.91	H9	2.1
1.92 -	2.07	H11	2.4
2.08 -	2.23	H12	2.6
2.24 -	2.47	H13	2.8
2.48 -	2.71	H14	3.1
2.72 -	3.03	H15	3.4
3.04 -	3.35	H16	3.8
3.36 -	3.75	H17	4.2
3.76 -	4.23	H18	4.7
4.24 -	4.55	H19	5.3
4.56 -	5.11	H20	5.7
5.12 -	5.59	H21	6.4
5.60 -	6.23	H22	7.0
6.24 -	6.95	H23	7.8
6.96 -	7.75	H24	8.7
7.76 -	8.39	H25	9.7
8.40 -	9.35	H26	10.5
9.36 -	10.2	H27	11.7
10.3 -	11.3	H28	12.9
11.4 -	12.4	H29	14.2
12.5 -	13.6	H30	15.6
13.7 -	15.0	H3	17.1
*	*	H39	19.6

Provision should be made to protect against short-circuit in accordance with the requirements of the National Electrical Code. In no case should the fuse size exceed 50 amps.

Connection Diagrams

The diagrams are shown for various arrangements of conduit connections. Use the most suitable diagram and place connector where indicated. Be sure to remove connector when wiring per Fig. 3.

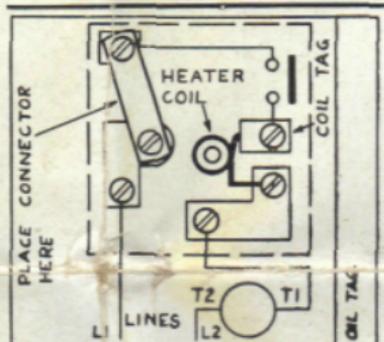


FIG. 1 BOTTOM WIRING

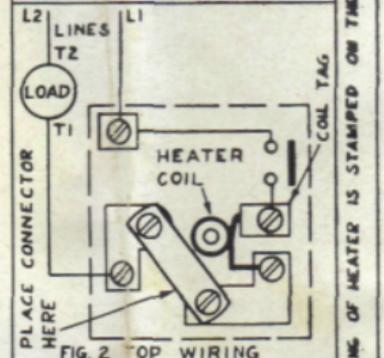


FIG. 2 TOP WIRING

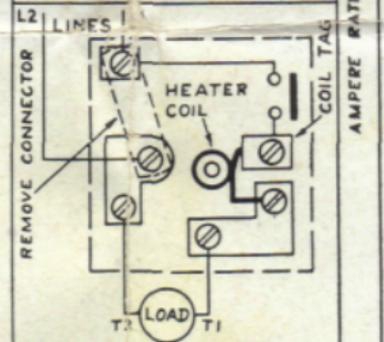


FIG. 3 THRU WIRING

AMPERE RATING OF HEATER IS STAMPED ON THE COIL TAG

*This starter should not be used with motors whose current ratings exceed 15 amperes.

Description	Index No.
Enclosed Type.....	9101H60A
Open Type.....	9101H59A
Volts	Hp Ratings
110-220 A-c Single Phase....	1 Hp
115 D-c.....	½ Hp
230 D-c.....	⅓ Hp

CUTLER-HAMMER, Inc., Milwaukee, Wis.

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