

TYPE J HEATER ELEMENTS
(CLASS 10 RELAY PERFORMANCE)

Bulletin 592-B, 40 Amperes, 600 VAC Max., Single Phase Heater Element Selection Tables.

WARNING: To provide continued protection against fire or shock hazard, the complete overload relay must be replaced if burnout of any heater element occurs.

AVERTISSEMENT: Afin d'assurer une protection continue contre les risques d'incendie et de choc électrique, remplacer tout le relais si l'un de ses éléments thermiques est grille.

IMPORTANT: When ordering heater elements for this controller, always specify the desired "Heater Type No."

MOTORS RATED FOR CONTINUOUS DUTY:

Motors with Marked Service Factor of Not Less Than 1.15 or Marked Temperature Rise Not Over 40°C.

Select the "Heater Type No." with the listed "Full Load Amps." nearest the full load current value shown on the motor nameplate. ■

All other motors rated for continuous duty (included motor with marked service factor of 1.0).

Select the "Heater Type No." one rating smaller than determined by the rules above. This will provide protection at current levels 10% lower. ■

■ This rule applies when temperature difference at the controller and at the motor does not exceed 10°C (18°F). Consult local Allen-Bradley Office when the temperature difference is greater.

Motors Rated for Intermittent Duty: Consult local Allen-Bradley Office.

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Heater Type No.	Full Load Amps.	Heater Type No.	Full Load Amps.	Heater Type No.	Full Load Amps.	Heater Type No.	Full Load Amps.
JJ14	0.22	JJ1	0.78	J13	2.78	J27	10.9
JJ13	0.24	J1	0.87	J14	3.07	J28	12.0
JJ12	0.27	J2	0.95	J15	3.38	J29	13.2
JJ11	0.30	J3	1.05	J16	3.72	J30	14.6
JJ10	0.33	J4	1.16	J17	4.10	J31	16.1
JJ9	0.36	J5	1.28	J18	4.52	J32	18.6
JJ8	0.40	J6	1.41	J19	4.98	J33	20.9
JJ7	0.44	J7	1.55	J20	5.49	J34	22.8
JJ6	0.48	J8	1.70	J21	6.04	J35	25.1
JJ5	0.53	J9	1.87	J22	6.66	J36	28.5
JJ4	0.58	J10	2.06	J23	7.35	J37	33.0
JJ3	0.65	J11	2.27	J24	8.13	J38	35.5
JJ2	0.71	J12	2.51	J25	8.96	J39	38.5
				J26	9.90	J40	42.0

The rating of the relay in amperes (40°C) is 115% of the "Full Load Amps." listed for the "Heater Type No."

Suitable for use on a circuit capable of delivering not more than 5,000 RMS symmetrical amperes, 600 volts maximum.

Select the Motor Branch Circuit Overcurrent Protection in accordance with the National Electrical Code and Canadian Electrical Code with the following exceptions:

- A. The rating of the non-time delay fuse shall not exceed 300% of the motor full load amperes.
- B. The rating of the time-delay fuse shall not exceed 175% of the motor full load amperes.

Select wire size corresponding to the ampacity for either 60°C or 75°C wire for full load currents of 32 amps or less. Use 75°C wire for full load currents greater than 32 amps.

Cu. wire only. Tightening torque 20 lb.-in.