

**BULLETIN 2100 HEATER ELEMENT SELECTION TABLE
FOR BULLETIN 2112, 2113, 2172, 2173**



ATTENTION: If burnout of an overload relay heater element occurs, the heater element must be replaced to provide continued protection against fire and shock hazard.

ATTENTION: Si un élément chauffant du relais de protection contre les surcharges est brûlé, cet élément doit être remplacé afin de fournir une protection continue contre les hasards d'incendie et de chocs.

IMPORTANT: When ordering heater elements, specify the desired "Heater Type No."

MOTORS RATED FOR CONTINUOUS DUTY WITH MARKED SERVICE FACTOR 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 when the ambient temperature at the controller and the motor is the same. If the ambient temperature at the controller is higher than at the motor and the nameplate full load current is between the values listed, select the "Heater Type No." with the higher value . If the ambient temperature at the controller is lower than at the motor and the nameplate full load current is between the values listed, select the "Heater Type No." with the lower value .

When temperature difference exceeds 10°C (18°F), consult local Allen-Bradley Office.

ALL OTHER MOTORS RATED FOR CONTINUOUS DUTY (INCLUDES MOTORS WITH MARKED SERVICE FACTOR OF 1.0).

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

MOTORS RATED FOR INTERMITTENT DUTY: Consult local Allen-Bradley Office.

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Heater Type Number	Full Load Amps.	Heater Type Number	Full Load Amps.	Heater Type Number	Full Load Amps.	Heater Type Number	Full Load Amps.
	Size 6		Size 6		Size 6		Size 6
W26	115	W31	179	W36	287	W41	465
W27	125	W32	196	W37	315	W42	515
W28	135	W33	216	W38	350	W43	----
W29	147	W34	232	W39	385	W44	----
W30	165	W35	260	W40	420	W45	----

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

Select the Motor Branch Circuit Overcurrent Protection in accordance with the National Electrical Code and Canadian Electrical Code. **EXCEPTION:** The rating of the fuse selected shall not exceed 1000 amperes.

