

STATE WATER HEATERS
500 Lindahl Parkway, Ashland City, TN 37015
Phone: 800-821-2017 Fax: 800-644-9306
www.stateind.com

Table 1. ELEMENT CHART AND CONNECTIONS

State Part Number	kW	Volts	Phase	Element Length	Fits Tank Size (Gals.)	State Part Number	kW	Volts	Phase	Element Length	Fits Tank Size (Gals.)
5200 60002-1 60003-1	2	208 240 480	1 or 3 1 or 3 3§	9.5" 241.3 mm	5 thru 120	60001-4 60002-6 60003-6	9	208 240 480§	1 or 3 1 or 3 3§	15.5" 393.7 mm	20 thru 120
5200-1 60002-2 60003-2	3	208 240 480	1 or 3 1 or 3 3§	9.5" 241.3 mm	5 thru 120	60001-5 60002-7 60003-7	10	208 240 480	1 or 3 1 or 3 3§	15.5" 393.7 mm	2 thru 120
60001-1 60002-3 60003-3	5	208 240 480	1 or 3 1 or 3 3§	9.5" 241.3 mm	5 thru 120	60001-7 60002-9 60003-9	12	208 240 480§	1 or 3 1 or 3 3§	15.0" 381 mm	65 thru 120
60001-2 60002-4 60003-4	6	208 240 480§	1 or 3 1 or 3 3§	12.0" 304 mm	10 thru 120	60001-9 60002-11 60003-11	15	208 240 480§	1 or 3 1 or 3 3§	15.0" 381 mm	65 thru 120
60001-3 60002-5 60003-5	7.5	208 240 480	1 or 3 1 or 3 3§	14.5" 368.3 mm	20 thru 120	60001-12 60002-14 60003-14	18	208 240 480§	1 or 3 1 or 3 3§	15.0" 381 mm	65 thru 120

§ Elements marked 277/480V. Element resistance wires operate at 277V 3Ø due to Y connection on element.

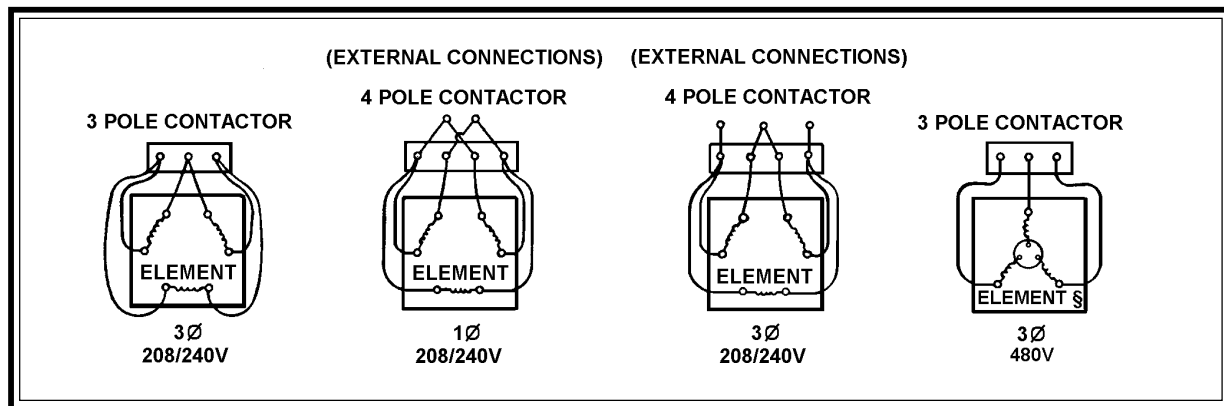


Table 2. CONTROL CIRCUIT FUSING

Voltage	120	208	220	240	277	380	415	480	575	600
Fuse Type	FNM	FNQ-R	FNQ-R	FNQ-R	FNQ-R	FNQ-R	FNQ-R	FNQ-R	FNQ-R	FNQ-R
VA	Secondary		Primary							
50	0.6 (02005006) 2005-6	1.25 (02006012) 2006-6	NA	NA	0.8 (02006008) 2006-8	0.6 (02006006) 2006-6	NA	NA	0.4 (02006004) 2006-4	0.4 (02006004) 2006-4
75	1 (02005010) 2005-10	1.5 (02006015) 2006-15	1.5 (02006015) 2006-15	1.5 (02006015) 2006-15	1.25 (02006012) 2006-12	0.8 (02006008) 2006-8	0.8 (02006008) 2006-8	0.6 (02006006) 2006-6	0.6 (02006006) 2006-6	0.6 (02006006) 2006-6
100	1.25 (02005012) 2005-12	2 (02006020) 2006-20	2 (02006020) 2006-20	2 (02006020) 2006-20	1.5 (02006015) 2006-15	1.25 (02006012) 2006-12	1.25 (02006012) 2006-12	0.8 (02006008) 2006-8	0.8 (02006008) 2006-8	0.8 (02006008) 2006-8

Fuse Amp rating is shown in **bold**.
Seattle Part Numbers are shown in ().
PSD Part Numbers are shown underlined

PSD

Item	Description	Part Number
1	Anode:	
	16" (406.4 mm) Long, 0.840" Ø, ¾" NPT	5206-18
	24" (609.6 mm) Long, 0.840" Ø, ¾" NPT	5206-24
	39" (990.6 mm) Long, 0.840" Ø, ¾" NPT	5206-39
2	Fuse Block - Control Circuit:	
	Primary fuse Block - 2 Pole	2101-32
	Secondary Fuse Block - 1 Pole	2101-31
3	* Fuse Block - Power Circuit:	
	3 Pole, 60 Amp, 300 Volt	98371
	3 Pole, 60 Amp, 600 Volt	5335
4	Block, Power Distribution	REFER TO PSD
5	Element Bolt 3/8" - 16 ¾"	5288
6	Contactors:	
	* 3 Pole, 50 Amp, 120 Volt	5102-3
	4 Pole, 50 Amp, 120 Volt	5102-4
7	Elements	REFER TO TABLE 1 (on previous page)
8	* Element Opening Blank Plate	26344-1
9	Fuse - Control Circuit	REFER TO TABLE 2 (on previous page)
10	* Fuse - Power Circuit:	
	50 Amp, 300 Volt, Buss # SC - 50	98376
	60 Amp, 300 Volt, Buss # SC - 60	99253
	50 Amp, 600 Volt, Buss # SC - 50	5337-1
	60 Amp, 600 Volt, Buss # SC - 60	5337-2
11	Element Gasket	5109
12	Grommet, Drain Valve	20172-6
13	Plug, Anode Opening	5274
14	+ Probe, Low Water Cut Off Relay	5106
15	+ Low Water Cut Off Relay	5105
16	Switch:	
	Manual Reset (with compression fitting)	310543-A
	* Automatic Reset (with compression fitting)	310008-A
17	Thermostat (with compression fitting)	310008-A
18	Transformer:	
	208/220/240/277V	1605-7
	380/480V	1606-6
19	Drain Valve:	
	¾" NPT Male (5-50 Gallon)	33937
	* ¾" NPT Female (65-120 Gallon)	33937
	* ¾" NPT x 4" Nipple for Female Drain Valve	1036-206
20	Relief Valve ¾"	1204-125
21	◆ Wire:	
	Control Circuit, White, 14 AWG, THWN/THHN	35841
	Control Circuit, Black, 14 AWG, THWN/THHN	30623
	Power Circuit, Black, 8 AWG, THWN/THHN	5277

* Not Illustrated

+ Optional

◆ When ordering, indicate length in niches. (Example): 35841-100 = 100" length)



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