



COMMERCIAL ELECTRIC ENERGY SAVER REPLACEMENT PARTS LIST

ASME Series



(50A model shown)

Models Covered:

6A-kW-3
12A-kW-3
20A-kW-3
30A-kW-3
40A-kW-3
50A-kW-3
80A-kW-3
120A-kW-3

*Denotes warranty year

Effective: October, 2024
ECO 8780

NOTE: BOTH MODEL AND SERIAL
NUMBERS ARE REQUIRED FOR
ORDERING REPLACEMENT PARTS

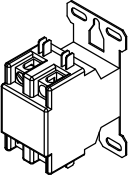
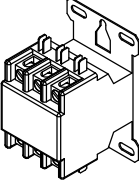
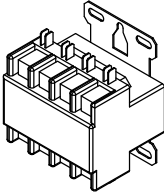
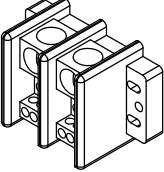
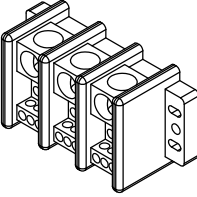
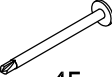
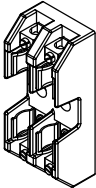
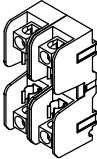
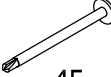
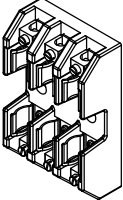
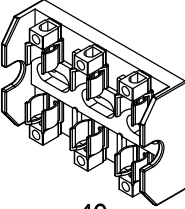
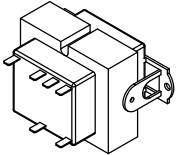
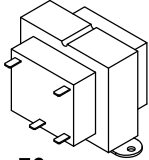
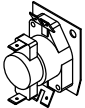
Dimensions and specifications
subject to change without notice.



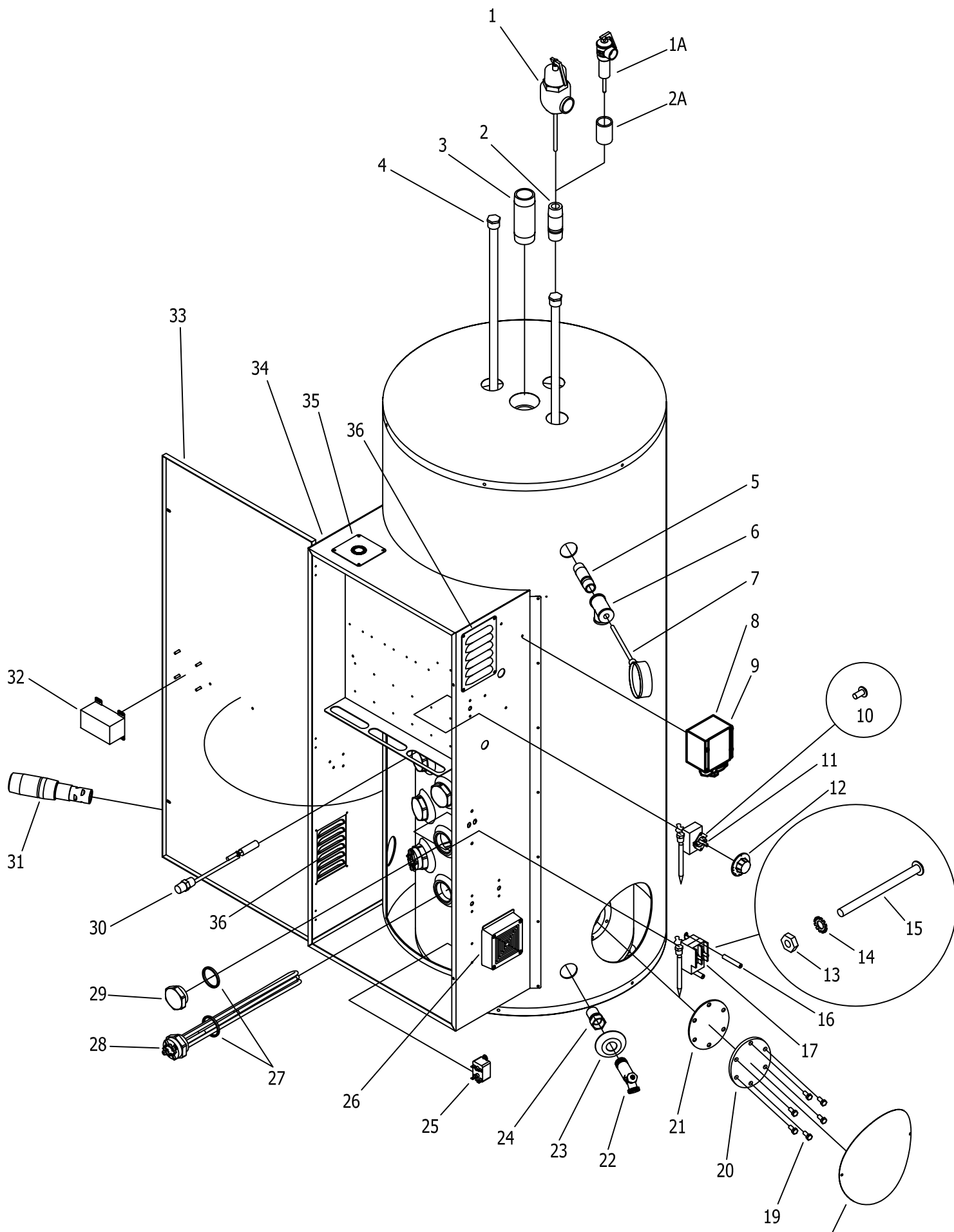
As required by the state of California Proposition 65.

Item	Description	Model 6A-kW-3	Model 12A-kW-3	Model 20A-kW-3	Model 30A-kW-3
1	T&P Relief Valve (Female Threads)	---	---	---	415-3046-00 (3/4"NPT)
1A	T&P Relief Valve (Male Threads)	415-32920-04 (3/4"NPT)	415-32920-04 (3/4"NPT)	415-32920-04 (3/4"NPT)	---
2	Nipple-Plastisert	---	---	---	229-32762-03
2A	Coupling	239-46679-00	239-46679-00	239-46679-00	---
3	Hot Water Outlet Nipple-Plastisert	229-32762-03	229-32762-03	229-32762-03	229-32762-03
4	Magnesium Anode Rod	415-55483-00	415-455483-00	415-55483-00	415-47782-04
	Aluminum Anode Rod	415-55485-00	415-55485-00	415-38508-02	415-55485-00
	Aluminum Anode Rod (A420)#	415-55487-00	415-55487-00	415-55487-00	415-55487-00
5	Nipple 3/4 NPT X 1-3/8 Galvanized	239-81075-00	239-81075-00	239-81075-00	---
	Nipple 3/4 NPT X 3-1/2 Plastisert	---	---	---	---
6	Galvanized Tee 3/4 X 1/2 X 1/2 NPT	239-41925-00	239-41925-00	239-41925-00	239-41925-00
7	Combination T&P Gage (Optional)	264-41987-00	264-41987-00	264-41987-00	264-41987-00
8	Pressure Switch (High) (Optional)	264-42004-01	264-42004-01	264-42004-01	264-42004-01
9	Pressure Switch (Low) (Optional)	264-42044-02	264-42044-02	264-42044-02	264-42044-02
10	Screw #6-32 X 1/4	264-81722-00 (Qty. 2)	264-81722-00 (Qty. 2)	264-81722-00 (Qty. 2)	264-81722-00 (Qty. 2)
11	Immersion Thermostat	264-33460-00	264-33460-00	264-33460-00	264-33460-00
12	Thermostat Dial	264-33459-00	264-33459-00	264-33459-00	264-33459-00
13	Hex Nut #10-32	239-34049-00 (Qty. 2)	239-34049-00 (Qty. 2)	239-34049-00 (Qty. 2)	239-34049-00 (Qty. 2)
14	External Tooth Washer #10	239-81540-00 (Qty. 2)	239-81540-00 (Qty. 2)	239-81540-00 (Qty. 2)	239-81540-00 (Qty. 2)
15	Screw #10-32 X 2 1/2	239-34048-00 (Qty. 2)	239-34048-00 (Qty. 2)	239-34048-00 (Qty. 2)	239-34048-00 (Qty. 2)
16	High Limit Spacer	264-34190-00 (Qty. 2)	264-34190-00 (Qty. 2)	264-34190-00 (Qty. 2)	264-34190-00 (Qty. 2)
17	High Limit Switch	264-33461-00	264-33461-00	264-33461-00	264-33461-00
18	Cleanout Cover (Jacket)	---	---	243-42497-00	243-42497-00
19	Cleanout Screw 5/16-18 X 3/4	---	---	239-32970-00 (Qty. 6)	239-32970-00 (Qty. 6)
20	Cleanout Cover (Tank)	---	---	205-32941-00	205-32941-00
21	Cleanout Gasket	---	---	205-32942-00	205-32942-00
22	Brass Drain Valve	415-42351-04	415-42351-04	415-42351-04	415-42351-04
23	Finished Flange 2 7/8 O.D.	---	---	---	---
24	Extender 3/4 X 2	---	---	---	---
25	Alarm Horn Relay (Optional)	264-42002-00	264-42002-00	264-42002-00	264-42002-00
26	Alarm Horn (Optional)	264-42001-00	264-42001-00	264-42001-00	264-42001-00
27	Heating Element Gasket	223-42016-00	223-42016-00	223-42016-00	223-42016-00
28	Heating Element	See Element Table	See Element Table	See Element Table	See Element Table
29	Heating Element Plug	223-42015-00	223-42015-00	223-42015-00	223-42015-00
30	Low Water Switch (Optional)	264-42000-00	264-42000-00	264-42000-00	264-42000-00
31	Cold Water Inlet Nipple	229-45268-00	229-45268-00	229-45268-00	229-45268-00
32	Electrical Door Lock (Optional)	264-42003-00	264-42003-00	264-42003-00	264-42003-00
33	Control Box Door	239-41944-00	239-41945-00	239-41946-00	239-41947-00
34	Control Box	239-42659-00	239-42660-00	239-42661-00	239-42663-00
35	Knockout Plate (Small)	239-41966-00	239-41966-00	239-41966-00	239-41966-00
	Knockout Plate (Large)	239-41967-00	239-41967-00	239-41967-00	239-41967-00
36	Louver Plate	239-41963-00	239-41963-00	239-41963-00	239-41963-00

A420 Anode may need to be cut to length

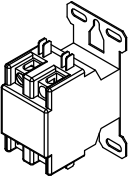
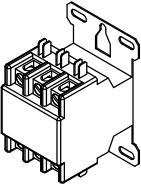
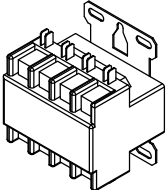
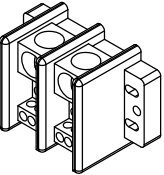
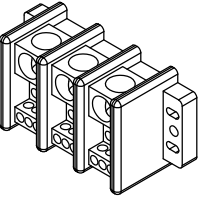
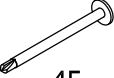
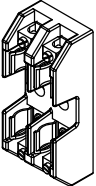
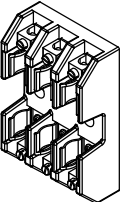
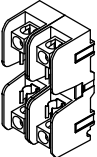
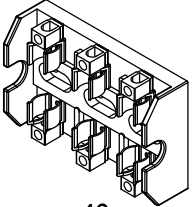
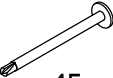
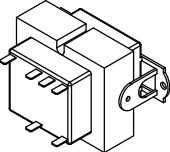
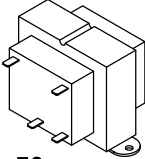
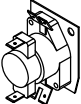
CONTACTORS  37  38  39  40	TERMINAL BLOCKS  41  42  43  44  45	FUSE BLOCKS  46  48  45  47  49		TERMINAL STRIPS  50  51	FUSES  52  53  54 GROUND LUGS  55  56  57	TRANSFORMERS  58  59	SEQUENCERS  60
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Item	Description	Model 6A-kW-3	Model 12A-kW-3	Model 20A-kW-3	Model 30A-kW-3
37	Contact 2 Pole (35A)	264-41986-01	264-41986-01	264-41986-01	264-41986-01
	Contact 2 Pole (50A)	264-41986-02	264-41986-02	264-41986-02	264-41986-02
38	Contact 3 Pole (35A)	264-41988-01	264-41988-01	264-41988-01	264-41988-01
	Contact 3 Pole (50A)	264-41988-02	264-41988-02	264-41988-02	264-41988-02
39	Contact 4 Pole (35A)	264-41989-01	264-41989-01	264-41989-01	264-41989-01
	Contact 4 Pole (50A)	264-41989-02	264-41989-02	264-41989-02	264-41989-02
40	Screw #8-18 X 1/2	239-32761-00	239-32761-00	239-32761-00	239-32761-00
41	Terminal Block (Block A)	264-32240-00	264-32240-00	264-32240-00	264-32240-00
42	Terminal Block End (Use for Block A)	264-32241-00	264-32241-00	264-32241-00	264-32241-00
43	Terminal Block (2 Pole)	264-32244-00	264-32244-00	264-32244-00	264-32244-00
44	Terminal Block (3 Pole)	264-32245-00	264-32245-00	264-32245-00	264-32245-00
45	Screw #8-18 X 1 1/2	264-34197-00	264-34197-00	264-34197-00	264-34197-00
46	Fuse Block 2 Pole G Class (60A, 480V)	264-32263-00	264-32263-00	264-32263-00	264-32263-00
47	Fuse Block 3 Pole G Class (60A, 480V)	264-32264-00	264-32264-00	264-32264-00	264-32264-00
48	Fuse Block 2 Pole CC Class (3A, 600V)	264-53307-00	264-53307-00	264-53307-00	264-53307-00
49	Fuse Block 3 Pole T Class (60A, 600V)	264-41975-00	264-41975-00	264-41975-00	264-41975-00
	Fuse Block 3 Pole T Class (30A, 600V)	264-42568-00	264-42568-00	264-42568-00	264-42568-00
50	Terminal Strip (5 Post)	264-42006-00	264-42006-00	264-42006-00	264-42006-00
51	Terminal Strip (2 Post)	264-42007-00	264-42007-00	264-42007-00	264-42007-00
52	Fuse G Class (40A)	264-32267-00	264-32267-00	264-32267-00	264-32267-00
	Fuse G Class (50A)	264-32268-00	264-32268-00	264-32268-00	264-32268-00
	Fuse G Class (60A)	264-32269-00	264-32269-00	264-32269-00	264-32269-00
53	Fuse T Class (30A)	264-41976-01	264-41976-01	264-41976-01	264-41976-01
	Fuse T Class (40A)	264-41976-02	264-41976-02	264-41976-02	264-41976-02
	Fuse T Class (50A)	264-41976-03	264-41976-03	264-41976-03	264-41976-03
54	Fuse CC Class (3A)	264-53306-00	264-53306-00	264-53306-00	264-53306-00
55	Ground Lug Large (Wire Range 8-1/0)	264-32250-00	264-32250-00	264-32250-00	264-32250-00
56	Ground Lug Small (Wire Range 14-8)	264-32251-00	264-32251-00	264-32251-00	264-32251-00
57	Screw #10-32 X 1/2	239-33938-0	239-33938-0	239-33938-0	239-33938-0
58	Control Circuit Transformer 60va (208/240/480 VAC)	415-41994-01	415-41994-01	415-41994-01	415-41994-01
	Control Circuit Transformer 60va (277/380/415 VAC)	415-41994-02	415-41994-02	415-41994-02	415-41994-02
59	Control Circuit Transformer 60va (600 VAC)	415-41996-00	415-41996-00	415-41996-00	415-41996-00
60	Time Delay Sequencer	264-41997-00	264-41997-00	264-41997-00	264-41997-00



Item	Description	Model 6A-kW-3	Model 12A-kW-3	Model 20A-kW-3	Model 30A-kW-3
Item	Description	Model 40A-kW-3	Model 50A-kW-3	Model 80A-kW-3	Model 120A-kW-3
1	T&P Relief Valve (Female Threads)	415-3046-00 (3/4" NPT)	230-33630-04 (1" NPT)	230-33630-04 (1" NPT)	230-33630-04 (1" NPT)
1A	T&P Relief Valve (Male Threads)	---	---	---	---
2	Nipple-Plastisert	229-32762-03	229-32762-21	229-32762-20	229-32762-21
2A	Coupling	---	---	---	---
3	Hot Water Outlet Nipple-Plastisert	229-32762-03	229-40913-06	229-40913-06	229-40913-06
4	Magnesium Anode Rod	415-55483-00	224-55483-00 (Qty. 2)	224-55483-00 (Qty. 2)	224-55483-00 (Qty. 2)
	Aluminum Anode Rod	415-55485-00	224-55485-00 (Qty. 2)	224-55485-00 (Qty. 2)	224-55485-00 (Qty. 2)
	Aluminum Anode Rod (A420)#	415-55487-00	415-55487-00	415-55487-00	415-55487-00
5	Nipple 3/4 NPT X 1-3/8 Galvanized	---	---	---	---
	Nipple 3/4 NPT X 3-1/2 Plastisert	---	229-32762-08	229-32762-08	229-32762-08
6	Galvanized Tee 3/4 X 1/2 X 1/2 NPT	239-41925-00	239-41925-00	239-41925-00	239-41925-00
7	Combination T&P Gage (Optional)	264-41987-00	264-41987-00	264-41987-00	264-41987-00
8	Pressure Switch (High) (Optional)	264-42004-01	264-42004-01	264-42004-01	264-42004-01
9	Pressure Switch (Low) (Optional)	264-42004-02	264-42004-02	264-42004-02	264-42004-02
10	Screw #6-32 X 1/4	264-81722-00 (Qty. 2)	264-81722-00 (Qty. 2)	264-81722-00 (Qty. 2)	264-81722-00 (Qty. 2)
11	Immersion Thermostat	264-33460-00	264-33460-00	264-33460-00	264-33460-00
12	Thermostat Dial	264-33459-00	264-33459-00	264-33459-00	264-33459-00
13	Hex Nut #10-32	239-34049-00 (Qty. 2)	239-34049-00 (Qty. 2)	239-34049-00 (Qty. 2)	239-34049-00 (Qty. 2)
14	External Tooth Washer #10	239-81540-00 (Qty. 2)	239-81540-00 (Qty. 2)	239-81540-00 (Qty. 2)	239-81540-00 (Qty. 2)
15	Screw #10-32 X 2 1/2	239-34048-00 (Qty. 2)	239-34048-00 (Qty. 2)	239-34048-00 (Qty. 2)	239-34048-00 (Qty. 2)
16	High Limit Spacer	264-34190-00 (Qty. 2)	264-34190-00 (Qty. 2)	264-34190-00 (Qty. 2)	264-34190-00 (Qty. 2)
17	High Limit Switch	264-33461-00	264-33461-00	264-33461-00	264-33461-00
18	Cleanout Cover (Jacket)	243-42497-00	243-20299-00	243-20299-00	243-20299-00
19	Cleanout Screw 5/16-18 X 3/4	239-32970-00 (Qty. 6)	239-32970-00 (Qty. 6)	239-32970-00 (Qty. 6)	239-32970-00 (Qty. 6)
20	Cleanout Cover (Tank)	205-32941-00	205-32941-00	205-32941-00	205-32941-00
21	Cleanout Gasket	205-32942-00	205-32942-00	205-32942-00	205-32942-00
22	Brass Drain Valve	415-42351-04	415-42351-04	415-42351-04	415-42351-04
23	Finished Flange 2 7/8 O.D.	---	239-41414-00	239-41414-00	239-41414-00
24	Extender 3/4 X 2	---	229-19100-00	229-19100-00	229-19100-00
25	Alarm Horn Relay (Optional)	264-42002-00	264-42002-00	264-42002-00	264-42002-00
26	Alarm Horn (Optional)	264-42001-00	264-42001-00	264-42001-00	264-42001-00
27	Heating Element Gasket	223-42016-00	223-42016-00	223-42016-00	223-42016-00
28	Heating Element	See Element Table	See Element Table	See Element Table	See Element Table
29	Heating Element Plug	223-42015-00	223-42015-00	223-42015-00	223-42015-00
30	Low Water Switch (Optional)	264-42000-00	264-42000-00	264-42000-00	264-42000-00
31	Cold Water Inlet Nipple	229-45268-00	415-44731-00	415-44731-00	415-44731-00
32	Electrical Door Lock (Optional)	264-42003-00	264-42003-00	264-42003-00	264-42003-00
33	Control Box Door	239-41947-00	239-42105-00	239-42105-00	239-42105-00
34	Control Box	239-42663-00	239-42106-00	239-42107-00	239-42108-00
35	Knockout Plate (Small)	239-41966-00	239-41966-00	239-41966-00	239-41966-00
	Knockout Plate (Large)	239-41967-00	239-41967-00	239-41967-00	239-41967-00
36	Louver Plate	239-41963-00	239-41963-00	239-41963-00	239-41963-00

A420 Anode may need to be cut to length

CONTACTORS  37  38  39  40	TERMINAL BLOCKS  41  42  43  44  45	FUSE BLOCKS  46  47  48  49  45		TERMINAL STRIPS  50  51	FUSES  52  53  54 GROUND LUGS  55  56  57	TRANSFORMERS  58  59	SEQUENCERS  60
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Item	Description	Model 6A-kW-3	Model 12A-kW-3	Model 20A-kW-3	Model 30A-kW-3
37	Contact 2 Pole (35A)	264-41986-01	264-41986-01	264-41986-01	264-41986-01
	Contact 2 Pole (50A)	264-41986-02	264-41986-02	264-41986-02	264-41986-02
38	Contact 3 Pole (35A)	264-41988-01	264-41988-01	264-41988-01	264-41988-01
	Contact 3 Pole (50A)	264-41988-02	264-41988-02	264-41988-02	264-41988-02
39	Contact 4 Pole (35A)	264-41989-01	264-41989-01	264-41989-01	264-41989-01
	Contact 4 Pole (50A)	264-41989-02	264-41989-02	264-41989-02	264-41989-02
40	Screw #8-18 X 1/2	239-32761-00	239-32761-00	239-32761-00	239-32761-00
41	Terminal Block (Block A)	264-32240-00	264-32240-00	264-32240-00	264-32240-00
42	Terminal Block End (Use for Block A)	264-32241-00	264-32241-00	264-32241-00	264-32241-00
43	Terminal Block (2 Pole)	264-32244-00	264-32244-00	264-32244-00	264-32244-00
44	Terminal Block (3 Pole)	264-32245-00	264-32245-00	264-32245-00	264-32245-00
45	Screw #8-18 X 1 1/2	264-34197-00	264-34197-00	264-34197-00	264-34197-00
46	Fuse Block 2 Pole G Class (60A, 480V)	264-32263-00	264-32263-00	264-32263-00	264-32263-00
47	Fuse Block 3 Pole G Class (60A, 480V)	264-32264-00	264-32264-00	264-32264-00	264-32264-00
48	Fuse Block 2 Pole CC Class (3A, 600V)	264-53307-00	264-53307-00	264-53307-00	264-53307-00
49	Fuse Block 3 Pole T Class (60A, 600V)	264-41975-00	264-41975-00	264-41975-00	264-41975-00
	Fuse Block 3 Pole T Class (30A, 600V)	264-42568-00	264-42568-00	264-42568-00	264-42568-00
50	Terminal Strip (5 Post)	264-42006-00	264-42006-00	264-42006-00	264-42006-00
51	Terminal Strip (2 Post)	264-42007-00	264-42007-00	264-42007-00	264-42007-00
52	Fuse G Class (40A)	264-32267-00	264-32267-00	264-32267-00	264-32267-00
	Fuse G Class (50A)	264-32268-00	264-32268-00	264-32268-00	264-32268-00
	Fuse G Class (60A)	264-32269-00	264-32269-00	264-32269-00	264-32269-00
53	Fuse T Class (30A)	264-41976-01	264-41976-01	264-41976-01	264-41976-01
	Fuse T Class (40A)	264-41976-02	264-41976-02	264-41976-02	264-41976-02
	Fuse T Class (50A)	264-41976-03	264-41976-03	264-41976-03	264-41976-03
54	Fuse CC Class (3A)	264-53306-00	264-53306-00	264-53306-00	264-53306-00
55	Ground Lug Large (Wire Range 8-1/0)	264-32250-00	264-32250-00	264-32250-00	264-32250-00
56	Ground Lug Small (Wire Range 14-8)	264-32251-00	264-32251-00	264-32251-00	264-32251-00
57	Screw #10-32 X 1/2	239-33938-00	239-33938-00	239-33938-00	239-33938-00
58	Control Circuit Transformer 60va (208/240/480 VAC)	415-41994-01	415-41994-01	415-41994-01	415-41994-01
	Control Circuit Transformer 60va (277/380/415 VAC)	415-41994-02	415-41994-02	415-41994-02	415-41994-02
59	Control Circuit Transformer 60va (600 VAC)	415-41996-00	415-41996-00	415-41996-00	415-41996-00
60	Time Delay Sequencer	264-41997-00	264-41997-00	264-41997-00	264-41997-00

Heating Elements (Incoloy) for:
Commercial "A" ASME Series

Wattage	208 Volt	240 Volt	277 Volt	380Volt
1000W ▲	---	---	---	---
2000W ▲	415-41985-01	415-41985-08	415-41985-15	415-41985-43
3000W ▲ ▲	415-41985-02	415-41985-09	415-41985-16	415-41985-44
4000W*	415-41985-03	415-41985-10	415-41985-17	415-41985-45
4500W*	415-41985-13	415-41985-11	415-41985-18	415-41985-46
5000W*	415-41985-05	415-41985-12	415-41985-19	415-41985-47
6000W*	415-41985-06	415-41985-13	415-41985-20	415-41985-57
9000W**	415-41985-51	415-41985-52	415-41985-53	415-41985-50

Wattage	400 Volt	415 Volt	480 Volt	600 Volt
1000W ▲	415-41985-58	---	---	---
2000W ▲	415-41985-59	415-41985-22	415-41985-29	415-41985-36
3000W ▲ ▲	415-41985-60	415-41985-23	415-41985-30	415-41985-37
4000W*	415-41985-61	415-41985-24	415-41985-31	415-41985-38
4500W*	415-41985-62	415-41985-25	415-41985-32	415-41985-39
5000W*	---	415-41985-26	415-41985-33	415-41985-40
6000W*	---	415-41985-27	415-41985-34	415-41985-41
9000W**	---	415-41985-54	415-41985-55	415-41985-56

- ▲ For 12" diameter tanks and above.
- ▲▲ For 14" diameter tanks and above.
- * For 16" diameter tanks and above.
- ** For 18" diameter tanks and above.



United States

Sales	1-800-523-2931
Technical Support	1-800-334-3393
Email	<i>techsupport@bradfordwhite.com</i>
Warranty	1-800-531-2111
Email	<i>warranty@bradfordwhite.com</i>
Service Parts	1-800-538-2020
Email	<i>parts@bradfordwhite.com</i>

Canada

Sales	1-866-690-0961 1-905-203-0600
Fax	905-636-0666
Warranty	1-800-531-2111
Email	<i>warranty@bradfordwhite.com</i>
Technical Support	1-800-334-3393
Email	<i>techsupport@bradfordwhite.com</i>
Service Parts and Orders	<i>ca.orders@bradfordwhite.com</i>

For U.S. and Canada field service, contact your professional installer or local Bradford White sales representative.

International

General Contact	<i>international@bradfordwhite.com</i>
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