



BRADFORD WHITE[®]
W A T E R H E A T E R S

**COMMERCIAL ELECTRIC ENERGY SAVER
REPLACEMENT PARTS LIST**

ASME Series



Includes Hydrojet[®]
Total Performance System

**Effective: September, 2019
ECO 8282**

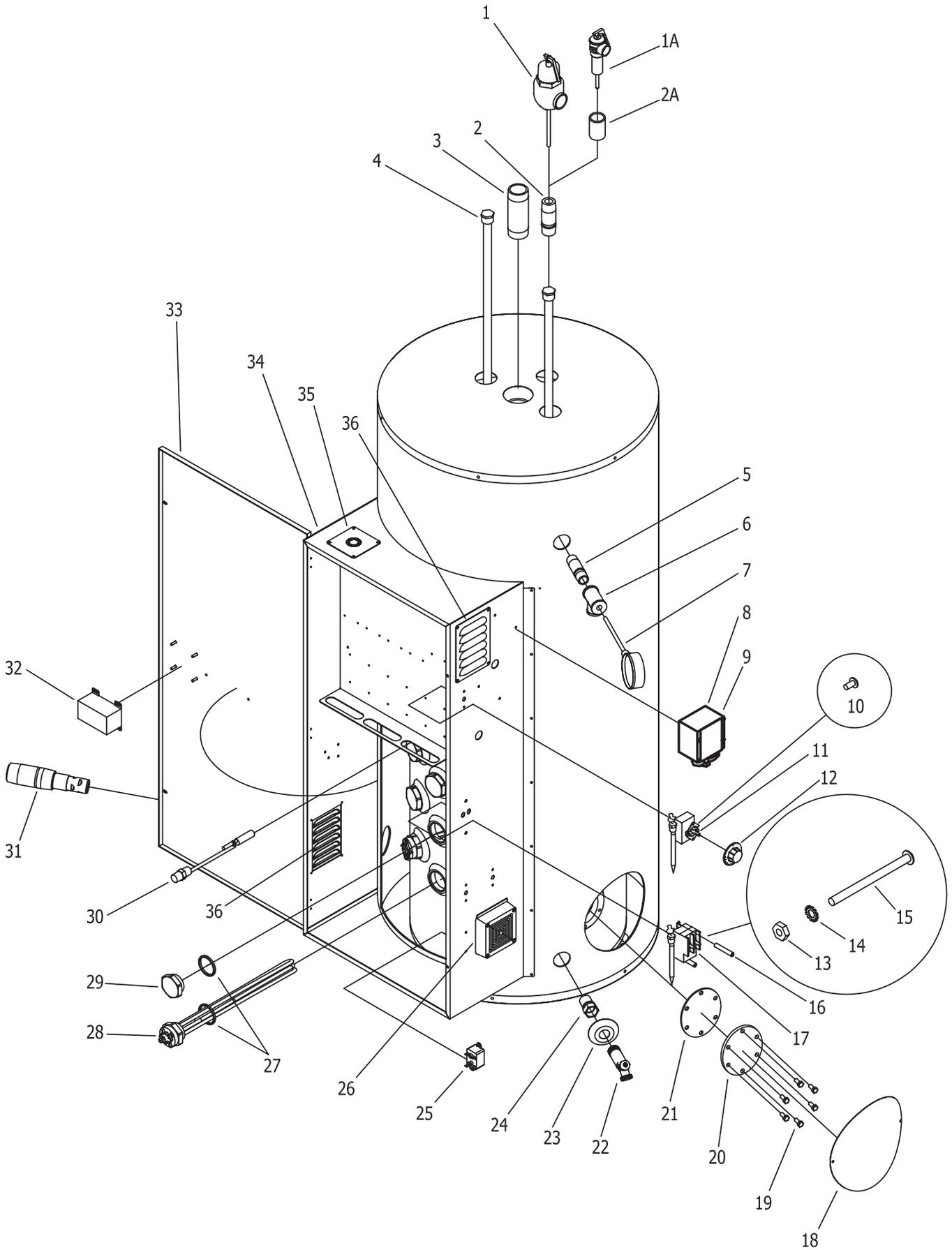
**NOTE: BOTH MODEL AND SERIAL
NUMBERS ARE REQUIRED FOR
ORDERING REPLACEMENT PARTS**

Dimensions and specifications
subject to change without notice.



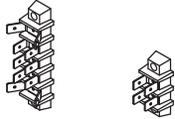
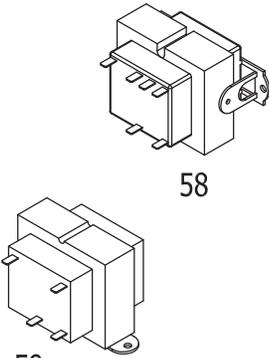
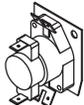
As required by the state of California Proposition 65.

(CEA30 SHOWN)

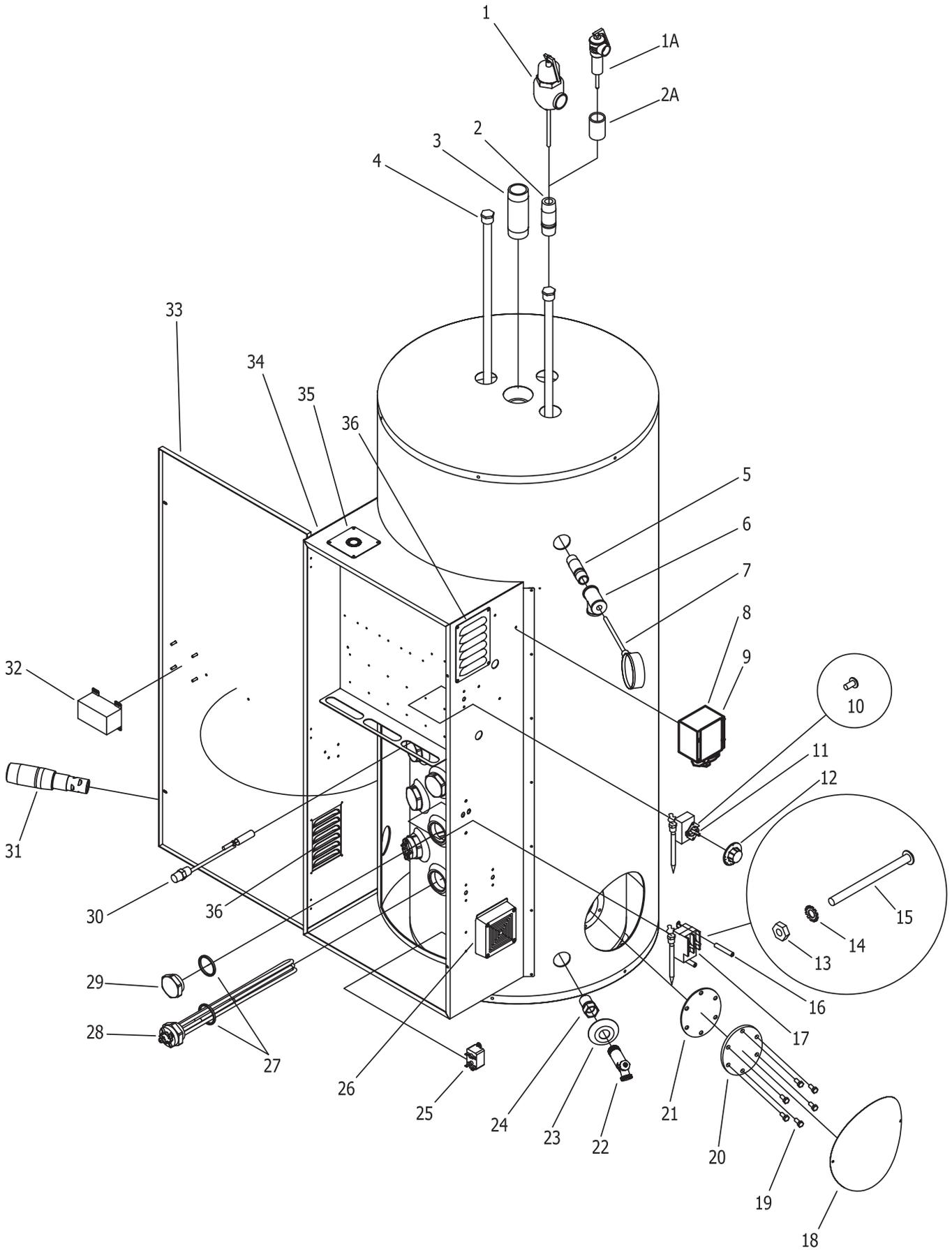


Item	Description	Model CEA6-kW-3	Model CEA12-kW-3	Model CEA20-kW-3	Model CEA30-kW-3
1	T&P Relief Valve (Female Threads)	---	---	---	230-30246-00 (3/4"NPT)
1A	T&P Relief Valve (Male Threads)	230-32920-04 (3/4"NPT)	230-32920-04 (3/4"NPT)	230-32920-04 (3/4"NPT)	---
2	Nipple-Plastisert	---	---	---	229-32762-03
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	224-47782-01	224-47782-02	224-47782-02	224-47782-04
	Aluminum Anode Rod	224-38508-08	224-38508-02	224-38508-02	224-38508-04
	Aluminum Anode Rod (A420)#	224-49559-04	224-49559-04	224-49559-04	224-49559-04
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)	264-42004-02	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	243-42497-00
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	265-42351-04	265-42351-04	265-42351-04	265-42351-04
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

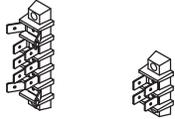
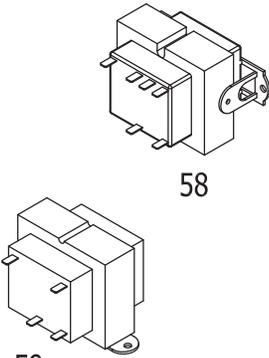
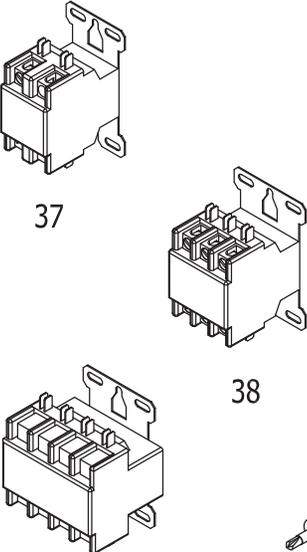
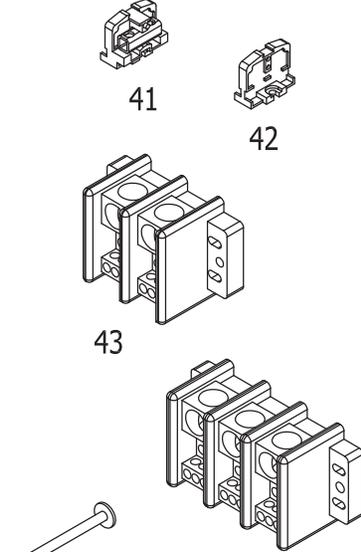
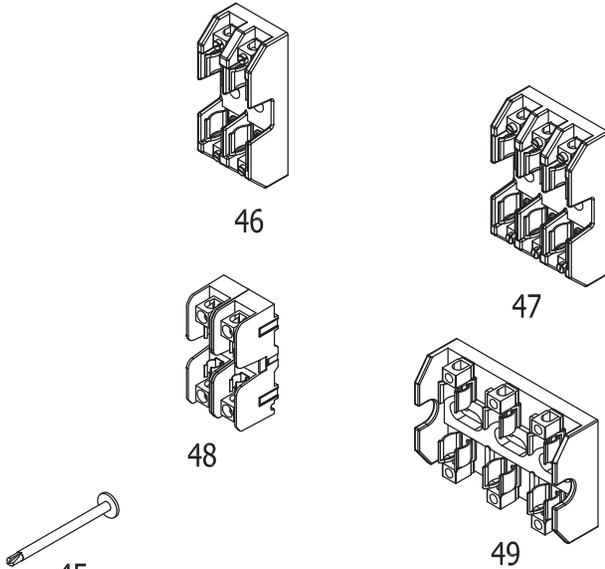
CONTACTORS	TERMINAL BLOCKS	FUSE BLOCKS	
<p data-bbox="327 911 554 943">TERMINAL STRIPS</p>  <p data-bbox="352 1219 516 1252">50 51</p>	<p data-bbox="848 911 932 943">FUSES</p>  <p data-bbox="764 1081 1016 1114">52 53 54</p> <p data-bbox="800 1130 982 1162">GROUND LUGS</p>  <p data-bbox="758 1300 1016 1333">55 56 57</p>	<p data-bbox="1205 911 1409 943">TRANSFORMERS</p>  <p data-bbox="1188 1130 1398 1341">58 59</p>	<p data-bbox="1604 911 1776 943">SEQUENCERS</p>  <p data-bbox="1667 1187 1709 1219">60</p>

Item	Description	Model	Model	Model	Model
		CEA6-kW-3	CEA12-kW-3	CEA20-kW-3	CEA30-kW-3
37	Contactors 2 Pole (35A)	264-41986-01	264-41986-01	264-41986-01	264-41986-01
	Contactors 2 Pole (50A)	264-41986-02	264-41986-02	264-41986-02	264-41986-02
38	Contactors 3 Pole (35A)	264-41988-01	264-41988-01	264-41988-01	264-41988-01
	Contactors 3 Pole (50A)	264-41988-02	264-41988-02	264-41988-02	264-41988-02
39	Contactors 4 Pole (35A)	264-41989-01	264-41989-01	264-41989-01	264-41989-01
	Contactors 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)	264-41994-01	264-41994-01	264-41994-01	264-41994-01
	Control Circuit Transformer 60va (277/380/415 VAC)	264-41994-02	264-41994-02	264-41994-02	264-41994-02
59	Control Circuit Transformer 60va (600 VAC)	264-41996-00	264-41996-00	264-41996-00	264-41996-00
60	Time Delay Sequencer	264-41997-00	264-41997-00	264-41997-00	264-41997-00



Item	Description	Model CEA40-kW-3	Model CEA50-kW-3	Model CEA80-kW-3	Model CEA120-kW-3
1	T&P Relief Valve (Female Threads)	230-30246-00 (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	224-47782-11	224-47782-11 (Qty. 2)	224-47782-11 (Qty. 2)	224-47782-11 (Qty. 2)
	Aluminum Anode Rod	224-38508-03	224-38508-03 (Qty. 2)	224-38508-07 (Qty. 2)	224-38508-07 (Qty. 2)
	Aluminum Anode Rod (A420)#	224-49559-04	224-49559-04	224-49559-04	224-49559-04
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	265-42351-04	265-42351-04	265-42351-04	265-42351-04
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	229-44731-00	229-44731-00	229-44731-00
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	TERMINAL BLOCKS	FUSE BLOCKS	
<p data-bbox="325 911 554 943">TERMINAL STRIPS</p>  <p data-bbox="352 1219 520 1252">50 51</p>	<p data-bbox="848 911 932 943">FUSES</p>  <p data-bbox="764 1081 1016 1114">52 53 54</p> <p data-bbox="800 1130 982 1162">GROUND LUGS</p>  <p data-bbox="758 1300 1016 1333">55 56 57</p>	<p data-bbox="1205 911 1409 943">TRANSFORMERS</p>  <p data-bbox="1188 1130 1398 1162">58 59</p>	<p data-bbox="1604 911 1776 943">SEQUENCERS</p>  <p data-bbox="1667 1187 1709 1219">60</p>
 <p data-bbox="317 472 554 675">37 38 39</p>  <p data-bbox="575 837 617 870">40</p>	 <p data-bbox="810 350 961 423">41 42</p> <p data-bbox="772 594 1045 626">43 44</p>  <p data-bbox="730 837 961 870">45 44</p>	 <p data-bbox="1381 480 1692 553">46 47</p> <p data-bbox="1335 716 1745 748">48 49</p>  <p data-bbox="1199 837 1241 870">45</p>	

Item	Description	Model	Model	Model	Model
		CEA40-kW-3	CEA50-kW-3	CEA80-kW-3	CEA120-kW-3
37	Contacto 2 Pole (35A)	264-41986-01	264-41986-01	264-41986-01	264-41986-01
	Contacto 2 Pole (50A)	264-41986-02	264-41986-02	264-41986-02	264-41986-02
38	Contacto 3 Pole (35A)	264-41988-01	264-41988-01	264-41988-01	264-41988-01
	Contacto 3 Pole (50A)	264-41988-02	264-41988-02	264-41988-02	264-41988-02
39	Contacto 4 Pole (35A)	264-41989-01	264-41989-01	264-41989-01	264-41989-01
	Contacto 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)	264-41994-01	264-41994-01	264-41994-01	264-41994-01
	Control Circuit Transformer 60va (277/380/415 VAC)	264-41994-02	264-41994-02	264-41994-02	264-41994-02
59	Control Circuit Transformer 60va (600 VAC)	264-41996-00	264-41996-00	264-41996-00	264-41996-00
60	Time Delay Sequencer	264-41997-00	264-41997-00	264-41997-00	264-41997-00

Heating Elements (Incoloy) for:
CEA ASME Series

Wattage	208 Volt	240 Volt	277 Volt	380Volt
1000W ▲	---	---	---	---
2000W ▲	220-41985-01	220-41985-08	220-41985-15	220-41985-43
3000W ▲ ▲	220-41985-02	220-41985-09	220-41985-16	220-41985-44
4000W*	220-41985-03	220-41985-10	220-41985-17	220-41985-45
4500W*	220-41985-13	220-41985-11	220-41985-18	220-41985-46
5000W*	220-41985-05	220-41985-12	220-41985-19	220-41985-47
6000W*	220-41985-06	220-41985-13	220-41985-20	220-41985-57
9000W**	220-41985-51	220-41985-52	220-41985-53	220-41985-50

Wattage	400 Volt	415 Volt	480 Volt	600 Volt
1000W ▲	220-41985-58	---	---	---
2000W ▲	220-41985-59	220-41985-22	220-41985-29	220-41985-36
3000W ▲ ▲	220-41985-60	220-41985-23	220-41985-30	220-41985-37
4000W*	220-41985-61	220-41985-24	220-41985-31	220-41985-38
4500W*	220-41985-62	220-41985-25	220-41985-32	220-41985-39
5000W*	220-41985-63	220-41985-26	220-41985-33	220-41985-40
6000W*	220-41985-64	220-41985-27	220-41985-34	220-41985-41
9000W**	220-41985-65	220-41985-54	220-41985-55	220-41985-56

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



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