



DIKO DSSY-X Series Large volume electric commercial water heaters are available in 150 to 2500-gallon storage capacities Vertical round & square and horizontal models

Standard Features

- Stainless steel tank (AISI 304L quality)
- Stainless steel heating elements (AISI 316L quality)
- Electrostatic powder paint coated galvanized steel outer jacket
- Surface mounted regulating thermostat
- Manual reset high limit thermostat
- Electrical control cabinet with full length hinged doors with key lock
- All models are equipped with UL listed terminal blocks for simplicity of installation
- Factory installed ASME temperature and pressure relief valve
- 162 °F (72 °C) temperature operation
- 125 PSI (8.6 bar) working pressure
- Heater steps on/off switches with pilot lamps
- Factory installed temperature gauge
- Factory installed pressure gauge
- Magnesium Anode rods to ensure long life and corrosion resistance
- Electrostatic powder paint coated galvanized steel control cabinet with special polyurethane gasket
- Special wrench for heating elements is provided
- Factory installed full-flow, brass drain valve for faster draining

Optional Features

- AISI 316L quality stainless steel tank material
- Hot dipped galvanized steel tank material (only on 4000-liter or greater capacities)
- Incoloy heating elements
- Low water cut-off
- Lifting lugs
- Safety door interlock
- Hand-hole sediment cleanout
- Man-hole for 250-gallon (945-liter) and larger models
- Stainless steel (AISI 304 or 316) outer jacket
- Stainless steel (AISI 304 or 316) control cabinet
- 150 PSI (10.34 bar) working pressure

Safety and Construction

- These products are design certified by Underwriters Laboratories (UL) to meet UL standard 1453
- ASME construction in accordance with the requirements of ASME Boiler and Pressure Vessel Code Section IV Part HLW

Warranty

- 3-year limited tank warranty, 1-year limited parts warranty



DIKO DSSY-X Series Large Volume Electric Water Heaters

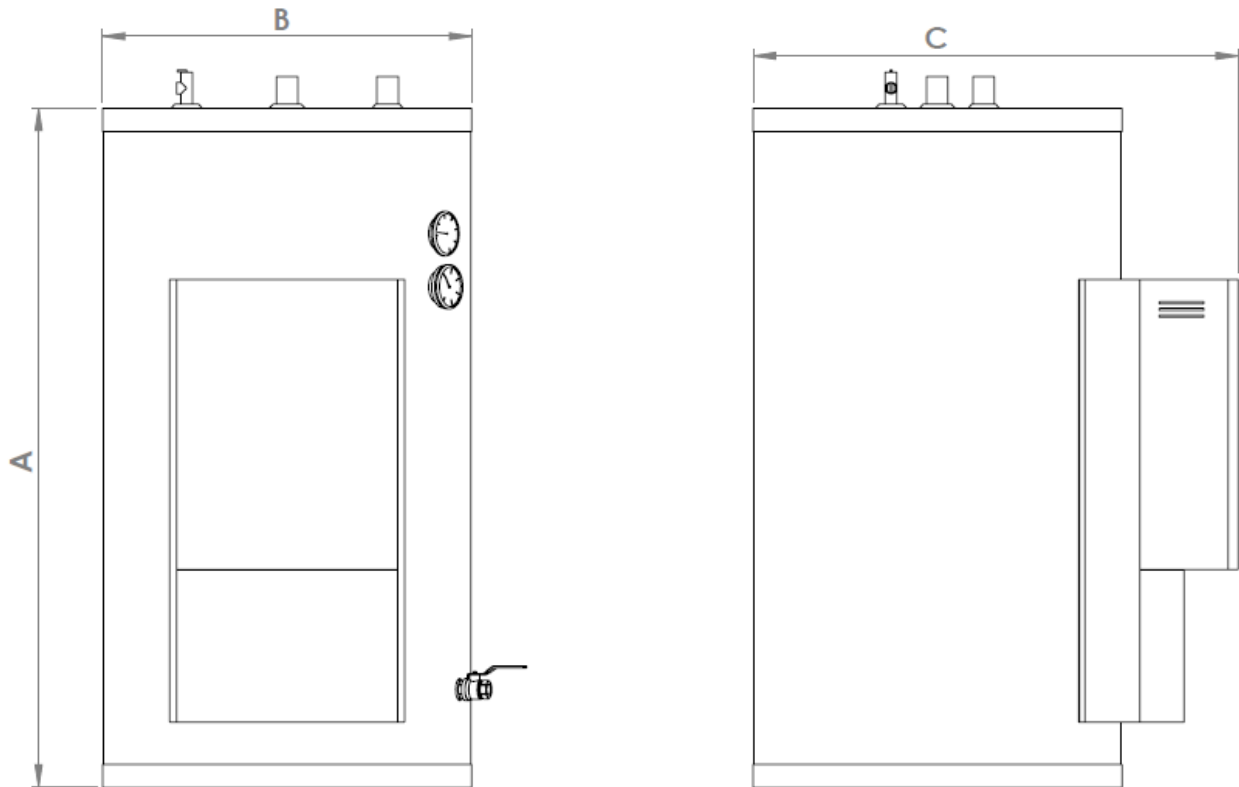
150 to 2,500 Gallon Capacities
Voltages: 208, 277, 380, 415,
440, 480 and 600 VAC 3-phase
Input Powers: 12 to 800 KW
Vertical Round & Square and
Horizontal Models



STANDART KW INPUT AMPERAGE

STANDART KW INPUT AND AMPERAGE												
KW INPUT	BTU/H EQUIVALENT	NO. OF ELEMENTS	NO. OF CONTROL STEPS	KW PER ELEMENT	NO. OF CONTACTORS	VOLTAGES THREE PHASE						
						208	277	380	415	440	480	600
6	20472,00	1	1	6	1	16,67	12,52	9,13	8,36	7,88	7,23	5,78
12	40944,00	1	1	12	1	33,35	25,04	18,25	16,71	15,76	14,45	11,56
15	51180,00	1	1	15	1	41,69	31,30	22,82	20,89	19,71	18,06	14,45
18	61416,00	1	1	18	1	50,02	37,56	27,38	25,07	23,65	21,68	17,34
24	81888,00	2	1	12	2	66,70	50,08	36,51	33,43	31,53	28,90	23,12
30	102360,00	2	1	15	2	83,37	62,60	45,63	41,79	39,41	36,13	28,90
36	122832,00	2	1	18	2	100,04	75,12	54,76	50,14	47,29	43,35	34,68
45	153540,00	3	2	15	3	125,06	93,90	68,45	62,68	59,12	54,19	43,35
60	204720,00	4	2	15	4	162,06	125,21	91,27	83,57	78,82	72,25	57,80
72	245664,00	4	2	18	4	200,09	150,25	109,52	100,29	94,59	86,71	69,36
90	307080,00	5	3	18	5	250,11	187,81	136,90	125,36	118,23	108,38	86,71
108	368496,00	6	3	18	6	300,13	225,37	164,28	150,43	141,88	130,06	104,05
126	429912,00	7	4	18	7	350,16	262,93	191,66	175,50	165,53	151,73	121,39
144	491328,00	8	4	18	8	400,18	300,49	219,04	200,57	189,17	173,41	138,73
180	614160,00	10	5	18	10	500,22	375,62	273,81	250,71	236,47	216,76	173,41
216	736992,00	12	6	18	12	600,27	450,74	328,57	300,86	283,76	260,12	208,09
252	859824,00	14	7	18	14	700,31	525,87	378,95	351,00	331,06	303,47	242,77
288	982656,00	16	8	18	16	800,36	600,99	438,09	401,14	378,35	346,82	277,46
324	1105488,00	18	8	18	18	900,40	676,11	492,85	451,28	425,64	390,17	312,14
360	1228320,00	20	8	18	20	1000,44	751,24	547,61	501,43	472,94	433,53	346,82
396	1351152,00	22	8	18	22	1100,49	826,36	602,37	551,57	520,23	476,88	381,50
432	1473984,00	24	8	18	24	1200,53	901,48	657,13	601,71	567,52	520,23	416,18

DIMENSIONAL DRAWINGS



DIMENSIONAL INFORMATION								
MODEL NUMBER	MAX. KW	GALLON CAPACITY	A	B	C	WATER CONNECTION		WEIGHT**
						INLET	OUTLET	
VERTICAL ROUND								
DSSY-X-566	72	150	1530	830	1070	1.1/2"	1.1/2"	198 KG
DSSY-X-757	108	200	1990	830	1070	1.1/2"	1.1/2"	233 KG
DSSY-X-946	126	250	1765	980	1220	1.1/2"	1.1/2"	263 KG
DSSY-X-1135	144	300	2070	980	1220	2"	2"	372 KG
DSSY-X-1514	216	400	1680	1300	1540	2"	2"	475 KG
DSSY-X-1892	252	500	2040	1300	1540	2"	2"	536 KG
DSSY-X-2271	324	600	2370	1300	1540	2.1/2"	2.1/2"	635 KG
DSSY-X-2839	396	750	2050	1600	1840	2.1/2"	2.1/2"	865 KG
DSSY-X-3596	432	950	2490	1600	1840	2.1/2"	2.1/2"	1080 KG

* The weight values given are net tank weights without packaging and command panel.