



**DURAWATT® ELECTRIC WATER HEATERS
ELECTRICAL CONNECTION SIZES
(240V 3Ø, 380V 3Ø, 480V 3Ø, 600V 3Ø)
(208V 3Ø and Single phase on page 2)**

MODEL PREFIX	kW	Btu/hr	SIZE & NO. OF CONNECTIONS											
			240V 3Ø			380V 3Ø			480V 3Ø			600V 3Ø		
			Amps	No.	Size MCM	Amps	No.	Size MCM	Amps	No.	Size MCM	Amps	No.	Size MCM
45	9	32,000	22	3	400	14	3	400	11	3	400	9	3	400
90	18	63,000	44	3	400	27	3	400	22	3	400	17	3	400
140	27	95,000	65	3	400	41	3	400	33	3	400	26	3	400
180	36	126,000	87	3	400	55	3	400	44	3	400	35	3	400
230	45	160,000	109	3	400	68	3	400	55	3	400	43	3	400
270	54	190,000	130	3	400	82	3	400	65	3	400	52	3	400
320	63	220,000	152	3	400	96	3	400	76	3	400	61	3	400
370	72	250,000	174	3	400	109	3	400	87	3	400	69	3	400
410	81	280,000	195	3	400	123	3	400	98	3	400	78	3	400
460	90	310,000	217	3	400	137	3	400	109	3	400	87	3	400
510	99	350,000	239	3	400	150	3	400	120	3	400	95	3	400
550	108	380,000	260	3	400	164	3	400	130	3	400	104	3	400
650	126	440,000	304	6	500	191	3	400	152	3	400	121	3	400
740	144	500,000	347	6	500	219	3	400	174	3	400	139	3	400
830	162	570,000	390	6	500	246	3	400	195	3	400	156	3	400
920	180	630,000	434	6	500	273	6	500	217	3	400	173	3	400
1100	216	760,000	520	6	500	328	6	500	260	3	400	208	3	400
1300	252	880,000	607	12	500	283	6	500	304	6	500	242	6	500
1470	288	1,010,000	693	12	500	438	6	500	347	6	500	277	6	500
1650	324	1,130,000	780	12	500	492	6	500	390	6	500	312	6	500
1850	360	1,260,000	867	12	500	547	6	500	434	6	500	346	6	500

- All distribution blocks on the connection side are rated for 600V.
- Refer to the latest edition of the National Electrical Code for conductor sizing.
- For Polyshield, 80 watt/in² elements are standard. For AquaPLEX, 40 watt/in² elements are standard (up to 370 prefix).
- Sequencer stages are available for every 36kW increment.
- When STCI option is required these sizes may change (consult factory).



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208V 3Ø ONLY					
MODEL PREFIX	kW	Btu/hr	SIZE & NO. OF CONNECTIONS		
			208V 3Ø		
			Amps	No.	Size MCM
90	18	63,000	50	3	400
140	27	95,000	75	3	400
180	36	126,000	100	3	400
230	45	160,000	125	3	400
270	54	190,000	150	3	400
320	63	220,000	175	3	400
370	72	250,000	200	3	400
410	80	272,000	222	3	400
460	90	307,000	251	3	400
510	99	338,000	276	3	400
540	105	359,000	292	6	500
610	120	410,000	334	6	500
690	135	461,000	376	6	500
770	150	512,000	417	6	500
840	165	564,000	459	6	500
920	180	615,000	501	6	500
1000	195	666,000	543	6	500
1080	210	717,000	Consult Factory		
1160	225	768,000			
1240	240	820,000			

SINGLE PHASE ONLY								
MODEL PREFIX	kW	Btu/hr	SIZE & NO. OF CONNECTIONS					
			208V 1Ø			240V 1Ø		
			Amps	No.	Size MCM	Amps	No.	Size MCM
90	18	63,000	87	3	400	75	3	400
140	27	95,000	130	3	400	113	3	400
180	36	126,000	173	3	400	150	3	400
230	45	160,000	216	3	400	188	3	400
270	54	190,000	260	3	400	225	3	400
320	63	220,000	303	6	500	263	3	400
370	72	250,000	346	6	500	300	6	500
410	81	280,000	389	6	500	338	6	500
460	90	310,000	433	6	500	375	6	500
510	99	350,000	476	6	500	413	6	500
550	108	380,000	519	6	500	450	6	500
650	126	440,000	606	6	500	Consult Factory		
740	144	500,000	692	12	500			
830	162	570,000	779	12	500			
920	180	630,000	865	12	500			
1100	216	760,000	1038	12	500			
1300	252	880,000	1212	12	500			
1470	288	1,010,000	1385	18	500			
1650	324	1,130,000	1558	18	500			
1850	360	1,260,000	1731	18	500			

- All distribution blocks on the connection side are rated for 600V.
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- Sequencer stages are available for every 36kW increment.
- When STCI option is required these sizes may change (consult factory).