



**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	2/0	14	3	2/0	11	3	2/0	9	3	2/0
90	18	63,000	44	3	2/0	27	3	2/0	22	3	2/0	17	3	2/0
140	27	95,000	65	3	2/0	41	3	2/0	33	3	2/0	26	3	2/0
180	36	126,000	87	3	2/0	55	3	2/0	44	3	2/0	35	3	2/0
230	45	160,000	109	3	2/0	68	3	2/0	55	3	2/0	43	3	2/0
270	54	190,000	130	3	2/0	82	3	2/0	65	3	2/0	52	3	2/0
320	63	220,000	152	3	350	96	3	2/0	76	3	2/0	61	3	2/0
370	72	250,000	174	3	350	109	3	2/0	87	3	2/0	69	3	2/0
410	81	280,000	195	3	350	123	3	2/0	98	3	2/0	78	3	2/0
460	90	310,000	217	3	350	137	3	2/0	109	3	2/0	87	3	2/0
510	99	350,000	239	3	350	150	3	350	120	3	2/0	95	3	2/0
550	108	380,000	260	6	500	164	3	350	130	3	2/0	104	3	2/0
650	126	440,000	304	6	500	191	3	350	152	3	350	121	3	2/0
740	144	500,000	347	6	500	219	3	350	174	3	350	139	3	2/0
830	162	570,000	390	6	500	246	3	350	195	3	350	156	3	350
920	180	630,000	434	6	500	273	6	500	217	3	350	173	3	350
1010	198	676,000	476	6	500	301	6	500	238	3	350	191	3	350
1100	216	760,000	520	6	500	328	6	500	260	6	500	208	3	350
1200	234	798,000	563	6	500	356	6	500	281	6	500	225	3	350
1300	252	880,000	607	6	500	283	6	500	304	6	500	242	3	350
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.
- 40 w/in<sup>2</sup> elements are standard for up to 370 prefix; 80 w/in<sup>2</sup> elements are standard for 370 prefix and more.



## DURAWATT® ELECTRIC WATER HEATERS ELECTRICAL CONNECTION SIZES

208V 3Ø ONLY					
MODEL PREFIX	kW	Btu/hr	SIZE & NO. OF CONNECTIONS		
			208V 3Ø		
			Amps	No.	Size MCM
90	18	63,000	50	3	2/0
140	27	95,000	75	3	2/0
180	36	126,000	100	3	2/0
230	45	160,000	125	3	2/0
270	54	190,000	150	3	350
320	63	220,000	175	3	350
370	72	250,000	200	3	350
410	80	272,000	222	3	350
460	90	307,000	251	6	500
510	99	338,000	276	6	500
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	2/0	75	3	2/0
140	27	95,000	130	3	2/0	113	3	2/0
180	36	126,000	173	3	350	150	3	350
230	45	160,000	216	3	350	188	3	350
270	54	190,000	260	6	500	225	3	350
320	63	220,000	303	6	500	263	6	500
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	Consult Factory					
740	144	500,000						
830	162	570,000						
920	180	630,000						
1100	216	760,000						
1300	252	880,000						
1470	288	1,010,000						
1650	324	1,130,000						
1850	360	1,260,000						

- All distribution blocks on the connection side are rated for 600V.
- Refer to the latest edition of the National Electrical Code for conductor sizing.
- 40 w/in<sup>2</sup> elements are standard for up to 370 prefix; 80 w/in<sup>2</sup> elements are standard for 370 prefix and more.