



**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	24	3	2/0	16	3	2/0	13	3	2/0	11	3	2/0
90	18	63,000	46	3	2/0	29	3	2/0	24	3	2/0	19	3	2/0
140	27	95,000	67	3	2/0	43	3	2/0	35	3	2/0	28	3	2/0
180	36	126,000	89	3	2/0	57	3	2/0	46	3	2/0	37	3	2/0
230	45	160,000	111	3	2/0	70	3	2/0	57	3	2/0	45	3	2/0
270	54	190,000	132	3	2/0	84	3	2/0	67	3	2/0	54	3	2/0
320	63	220,000	154	3	350	98	3	2/0	78	3	2/0	63	3	2/0
370	72	250,000	176	3	350	111	3	2/0	89	3	2/0	71	3	2/0
410	81	280,000	197	3	350	125	3	2/0	100	3	2/0	80	3	2/0
460	90	310,000	219	3	350	139	3	2/0	111	3	2/0	89	3	2/0
510	99	350,000	241	3	350	152	3	350	122	3	2/0	97	3	2/0
550	108	380,000	262	6	500	166	3	350	132	3	2/0	106	3	2/0
650	126	440,000	306	6	500	193	3	350	154	3	350	123	3	2/0
740	144	500,000	349	6	500	221	3	350	176	3	350	141	3	2/0
830	162	570,000	392	6	500	248	3	350	197	3	350	158	3	350
920	180	630,000	436	6	500	275	6	500	219	3	350	175	3	350
1010	198	676,000	478	6	500	303	6	500	240	3	350	193	3	350
1100	216	760,000	522	6	500	330	6	500	262	6	500	210	3	350
1200	234	798,000	565	6	500	358	6	500	283	6	500	228	3	350
1300	252	880,000	609	6	500	285	6	500	306	6	500	244	3	350
1470	288	1,010,000	695	12	500	440	6	500	349	6	500	279	6	500
1650	324	1,130,000	782	12	500	494	6	500	392	6	500	314	6	500
1850	360	1,260,000	869	12	500	549	6	500	436	6	500	348	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	52	3	2/0
140	27	95,000	77	3	2/0
180	36	126,000	102	3	2/0
230	45	160,000	127	3	2/0
270	54	190,000	152	3	350
320	63	220,000	177	3	350
370	72	250,000	202	3	350
410	80	272,000	224	3	350
460	90	307,000	253	6	500
510	99	338,000	278	6	500
540	105	359,000	294	6	500
610	120	410,000	336	6	500
690	135	461,000	378	6	500
770	150	512,000	419	6	500
840	165	564,000	461	6	500
920	180	615,000	503	6	500
1000	195	666,000	545	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	89	3	2/0	77	3	2/0
140	27	95,000	132	3	2/0	115	3	2/0
180	36	126,000	175	3	350	152	3	350
230	45	160,000	218	3	350	190	3	350
270	54	190,000	262	6	500	227	3	350
320	63	220,000	305	6	500	265	6	500
370	72	250,000	348	6	500	302	6	500
410	81	280,000	391	6	500	340	6	500
460	90	310,000	435	6	500	377	6	500
510	99	350,000	478	6	500	415	6	500
550	108	380,000	521	6	500	452	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.