

# ELECTRICAL SPECIFICATIONS FOR J-SERIES KILNS

**Revision: C (6/13/00)**

Note: 480 and 380 volt calculations are not completed. Check with factory.

240 VOLTS												
MODEL	TOTAL KILN	TOTAL KILN	ELEMENT OHMS @ 240 v	1 PHASE 240 VOLT			3 phase 240 VOLT					
	WATTS @ 240v	K.W. @ 240 v		Total Amps	Fuse for Amps	Hook Up Wire Size	Amps at Phase A (L1)	Amps at Phase B (L2)	Amps at Phase C (L3)	Total Amps	Fuse for Amps	Hook Up Wire Size
J14 Kiln (DISCONTINUED)	3236	3.24	17.80	13.48	20	10						
JR14 Extension (DISCONTINUED)	1618	1.62	17.80	6.74								
J14-R Kiln (DISCONTINUED)	4854	4.85	17.80	20.23	30	10						
J18 Kiln	5520	5.52	10.40	23.00	30	10	11.50	19.92	11.50	19.92	30	10
JR18 Extension (DISCONTINUED)	1740	1.74	16.60	7.25			0.00	0.00	0.00	0.00		
J18-R Kiln (DISCONTINUED)	7260	7.26	10.4 & 16.6	30.25	40	8	16.28	19.92	16.28	19.92	30	10
JX18 Extension	2760	2.76	10.40	11.50			0.00	0.00	0.00	0.00		
J18X Kiln	8280	8.28	10.40	34.50	50	6	19.92	19.92	19.92	19.92	30	10
J23 Kiln	7036	7.04	32.70	29.32	40	8	14.65	25.37	14.65	25.37	40	8
JR23 Extension	3518	3.52	32.70	14.66			0.00	0.00	0.00	0.00		
JR23S Extension-High Watts	4150	4.15	32.70	17.29			0.00	0.00	0.00	0.00		
J230 Kiln	10554	10.55	32.70	43.98	60	6	25.37	25.37	25.37	25.37	40	8
J230S Kiln - High Watts	12450	12.45	27.80	51.88	70	4	29.95	29.95	29.95	29.95	40	8
J236 Kiln	14072	14.07	32.70	58.63	80	3	38.06	38.06	25.37	38.06	50	6
J245 Kiln	17590	17.59	32.70	73.29	100	1	38.06	50.75	38.06	50.75	70	4
J2918 Kiln	9120	9.12	37.90	38.00	50	6	18.99	32.89	18.99	32.89	50	6
J2927 Kiln	13680	13.68	37.90	57.00	80	3	32.89	32.89	32.89	32.89	50	6
J2927L Kiln - Low Watts	11500	11.50	45.10	47.92	60	6	27.66	27.66	27.66	27.66	40	8
JR2909 Extension	4560	4.56	37.90	19.00			0.00	0.00	0.00	0.00		
J2936 Kiln	18240	18.24	37.90	76.00	100	1	49.34	49.34	32.89	49.34	70	4
J2945 Kiln	22800	22.80	37.90	95.00	125	1/0	49.34	65.78	49.34	65.78	90	2
<b>MODELS WITH POWERED BOTTOMS</b>												
J23-PB Kiln with Power Bottom	8795	8.80	32.70	36.65	50	6	19.04	25.37	19.04	25.37	40	8
J230-PB Kiln with Power Bottom	12313	12.31	32.70	51.30	70	4	31.72	25.37	31.72	31.72	50	6
JD230S-PB Kiln with Power Bottom	14525	14.53	27.80	60.52	80	3	37.44	29.95	37.44	37.44	50	6
J236-PB Kiln with Power Bottom	15831	15.83	32.70	65.96	90	2	44.41	38.06	31.72	44.41	60	6
J245-PB Kiln with Power Bottom	19349	19.35	32.70	80.62	100	1	44.41	50.75	44.41	50.75	70	4
JB230 Power Bottom	1759	1.76	32.70	7.33			0.00	0.00	0.00	0.00		
JB230S Power Bottom	2075	2.08	27.80	8.65			0.00	0.00	0.00	0.00		
J2918-PB Kiln with Power Bottom	12160	12.16	37.90	50.67	70	4	27.42	32.89	27.42	32.89	50	6
J2927-PB Kiln with Power Bottom	16720	16.72	37.90	69.67	90	2	43.86	32.89	43.86	43.86	60	6
J2936-PB Kiln with Power Bottom	21280	21.28	37.90	88.67	125	1/0	60.30	49.34	43.86	60.30	80	3
J2945-PB Kiln with Power Bottom	25840	25.84	37.90	107.67	150	2/0	60.30	65.78	60.30	65.78	90	2
JB2900 Power Bottom	3040	3.04	37.90	12.67			0.00	0.00	0.00	0.00		

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208 VOLTS												
MODEL	TOTAL KILN	TOTAL KILN	ELEMENT OHMS @ 208 v	1 PHASE 208 VOLT			3 phase 208 VOLT					
	WATTS @ 208v	K.W. @ 208 v		Total Amps	Fuse for Amps	Hook Up Wire Size	Amps at Phase A (L1)	Amps at Phase B (L2)	Amps at Phase C (L3)	Total Amps	Fuse for Amps	Hook Up Wire Size
	<b>J14</b> Kiln (DISCONTINUED)	3120		3.12	13.90	15.00	20	10				
<b>JR14</b> Extension (DISCONTINUED)	1560	1.56	13.90	7.50								
<b>J14-R</b> Kiln (DISCONTINUED)	4680	4.68	13.90	22.50	30	10						
<b>J18</b> Kiln	5520	5.52	7.80	26.54	30	10	13.30	23.04	13.30	23.04	30	10
<b>JR18</b> Extension (DISCONTINUED)	1740	1.74	12.40	8.37			0.00	0.00	0.00	0.00		
<b>J18-R</b> Kiln (DISCONTINUED)	7260	7.26	7.8 & 12.4	34.90	50	6	18.79	23.04	18.79	23.04	30	10
<b>JX18</b> Extension	2760	2.76	7.80	13.27			0.00	0.00	0.00	0.00		
<b>J18X</b> Kiln	8280	8.28	7.80	39.81	50	6	23.04	23.04	23.04	23.04	30	10
<b>J23</b> Kiln	6096	6.10	28.40	29.31	40	8	14.65	25.37	14.65	25.37	40	8
<b>JR23</b> Extension	3048	3.05	28.40	14.65			0.00	0.00	0.00	0.00		
<b>JR23S</b> Extension-High Watts	3600	3.60	28.40	17.31			0.00	0.00	0.00	0.00		
<b>J230</b> Kiln	9144	9.14	28.40	43.96	60	6	25.37	25.37	25.37	25.37	40	8
<b>J230S</b> Kiln - High Watts	10800	10.80	24.00	51.92	70	4	29.98	29.98	29.98	29.98	40	8
<b>J236</b> Kiln	12192	12.19	28.40	58.62	80	3	38.06	38.06	25.37	38.06	50	6
<b>J245</b> Kiln	15240	15.24	28.40	73.27	100	1	38.06	50.75	38.06	50.75	70	4
<b>J2918</b> Kiln	8320	8.32	31.20	40.00	50	6	20.00	34.64	20.00	34.64	50	6
<b>J2927</b> Kiln	12480	12.48	31.20	60.00	80	3	34.64	34.64	34.64	34.64	50	6
<b>J2927L</b> Kiln - Low Watts	9980	9.98	39.00	47.98	60	6	27.70	27.70	27.70	27.70	40	8
<b>JR2909</b> Extension	4160	4.16	31.20	20.00			0.00	0.00	0.00	0.00		
<b>J2936</b> Kiln	16640	16.64	31.20	80.00	100	1	51.96	51.96	34.64	51.96	70	4
<b>J2945</b> Kiln	20800	20.80	31.20	100.00	125	1/0	51.96	69.28	51.96	69.28	90	2
<b>MODELS WITH POWERED BC</b>												
<b>J23-PB</b> Kiln with Power Bottom	7620	7.62	28.40	36.63	50	6	19.04	25.37	19.04	25.37	40	8
<b>J230-PB</b> Kiln with Power Bottom	10668	10.67	28.40	51.29	70	4	31.72	25.37	31.72	31.72	50	6
<b>JD230S-PB</b> Kiln with Power Bottom	12,600	12.60	24.00	60.58	80	3	37.47	29.98	37.47	37.47	50	6
<b>J236-PB</b> Kiln with Power Bottom	13716	13.72	28.40	65.94	90	2	44.41	38.06	31.72	44.41	60	6
<b>J245-PB</b> Kiln with Power Bottom	16764	16.76	28.40	80.60	100	1	44.41	50.75	44.41	50.75	70	4
<b>JB230</b> Power Bottom	1524	1.52	28.40	7.33			0.00	0.00	0.00	0.00		
<b>JB230S</b> Power Bottom	1800	1.80	24.00	8.65			0.00	0.00	0.00	0.00		
<b>J2918-PB</b> Kiln with Power Bottom	11093	11.09	31.20	53.33	70	4	28.86	34.64	28.86	34.64	50	6
<b>J2927-PB</b> Kiln with Power Bottom	15253	15.25	31.20	73.33	90	2	46.16	34.64	46.16	46.16	60	6
<b>J2936-PB</b> Kiln with Power Bottom	19413	19.41	31.20	93.33	125	1/0	63.48	51.96	46.16	63.48	80	3
<b>J2945-PB</b> Kiln with Power Bottom	23573	23.57	31.20	113.33	150	2/0	63.48	69.28	63.48	69.28	90	2
<b>JB2900</b> Power Bottom	2773	2.77	31.20	13.33			0.00	0.00	0.00	0.00		

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220 VOLTS												
MODEL	TOTAL KILN	TOTAL KILN	ELEMENT OHMS @ 220 v	1 PHASE 220 VOLT			3 phase 220 VOLT					
	WATTS @ 220v	K.W. @ 220 v		Total Amps	Fuse for Amps	Hook Up Wire Size	Amps at Phase A (L1)	Amps at Phase B (L2)	Amps at Phase C (L3)	Total Amps	Fuse for Amps	Hook Up Wire Size
<b>J14</b> Kiln (DISCONTINUED)	3236	3.24	15.00	14.71	20	10						
<b>JR14</b> Extension (DISCONTINUED)	1560	1.56	15.00	7.09								
<b>J14-R</b> Kiln (DISCONTINUED)	4854	4.85	15.00	22.06	30	10						
<b>J18</b> Kiln	5520	5.52	8.80	25.09	30	10	12.55	21.74	12.55	21.74	30	10
<b>JR18</b> Extension (DISCONTINUED)	1740	1.74	13.90	7.91			0.00	0.00	0.00	0.00		
<b>J18-R</b> Kiln (DISCONTINUED)	7260	7.26	8.8 & 13.9	33.00	40	8	16.67	21.74	16.67	21.74	30	10
<b>JX18</b> Extension	2760	2.76	8.80	12.55			0.00	0.00	0.00	0.00		
<b>J18X</b> Kiln	8280	8.28	8.80	37.64	50	6	21.74	21.74	21.74	21.74	30	10
<b>J23</b> Kiln	6450	6.45	30.00	29.32	40	8	14.66	25.39	14.66	25.39	40	8
<b>JR23</b> Extension	3225	3.23	30.00	14.66			0.00	0.00	0.00	0.00		
<b>JR23S</b> Extension-High Watts	3800	3.80	30.00	17.27			0.00	0.00	0.00	0.00		
<b>J230</b> Kiln	9675	9.68	30.00	43.98	60	6	25.39	25.39	25.39	25.39	40	8
<b>J230S</b> Kiln - High Watts	11400	11.40	25.50	51.82	70	4	29.91	29.91	29.91	29.91	40	8
<b>J236</b> Kiln	12900	12.90	30.00	58.64	80	3	38.10	38.10	25.39	38.10	50	6
<b>J245</b> Kiln	16125	16.13	30.00	73.30	100	1	38.10	50.80	38.10	50.80	70	4
<b>J2918</b> Kiln	8360	8.36	34.70	38.00	50	6	18.99	32.89	18.99	32.89	50	6
<b>J2927</b> Kiln	12540	12.54	34.70	57.00	80	3	32.89	32.89	32.89	32.89	50	6
<b>J2927L</b> Kiln - Low Watts	10560	10.56	41.30	48.00	60	6	27.71	27.71	27.71	27.71	40	8
<b>JR2909</b> Extension	4180	4.18	34.70	19.00			0.00	0.00	0.00	0.00		
<b>J2936</b> Kiln	16720	16.72	34.70	76.00	100	1	49.34	49.34	32.89	49.34	70	4
<b>J2945</b> Kiln	20900	20.90	34.70	95.00	125	1/0	49.34	65.78	49.34	65.78	90	2
<b>MODELS WITH POWERED BC</b>												
<b>J23-PB</b> Kiln with Power Bottom	8062	8.06	30.00	36.65	50	6	19.04	25.37	19.04	25.37	40	8
<b>J230-PB</b> Kiln with Power Bottom	11288	11.29	30.00	51.31	70	4	31.73	25.39	31.73	31.73	50	6
<b>JD230S-PB</b> Kiln with Power Bottom	13300	13.30	25.50	60.45	80	3	37.39	29.91	37.39	37.39	50	6
<b>J236-PB</b> Kiln with Power Bottom	14513	14.51	30.00	65.97	90	2	44.44	38.10	31.74	44.44	60	6
<b>J245-PB</b> Kiln with Power Bottom	17738	17.74	30.00	80.63	100	1	44.44	50.78	44.44	50.78	70	4
<b>JB230</b> Power Bottom	1613	1.61	30.00	7.33			0.00	0.00	0.00	0.00		
<b>JB230S</b> Power Bottom	1900	1.90	25.50	8.64			0.00	0.00	0.00	0.00		
<b>J2918-PB</b> Kiln with Power Bottom	11147	11.15	34.70	50.67	70	4	27.42	32.89	27.42	32.89	50	6
<b>J2927-PB</b> Kiln with Power Bottom	15327	15.33	34.70	69.67	90	2	43.86	32.89	43.86	43.86	60	6
<b>J2936-PB</b> Kiln with Power Bottom	19507	19.51	34.70	88.67	125	1/0	60.30	49.34	43.86	60.30	80	3
<b>J2945-PB</b> Kiln with Power Bottom	23687	23.69	34.70	107.67	150	2/0	60.30	65.78	60.30	65.78	90	2
<b>JB2900</b> Power Bottom	2787	2.79	34.70	12.67			0.00	0.00	0.00	0.00		