L&L KILN MFG, INC.

ELECTRICAL SPECIFICATIONS FOR EASY LOAD KILNS

Revision: P (First Issue)

			240 VOLTS													
			TOTAL	TOTAL		1 PHASE				3 phase - DELTA						
			KILN	KILN		240 VOLT				240 VOLT						
MODEL	INTERIOR DIMENSIONS: W - D - H	USABLE CUBIC FEET	WATTS @ 240v	K.W. @ 240 v	ELEMENT OHMS @ 240V: Sides + Door	1 PHASE WIRING DIAGRAM	Total Amps	Fuse for Amps	Hook Up Wire Size	3 PHASE WIRING DIAGRAM	Amps at Phase A (L1)	Amps at Phase B (L2)	Amps at Phase C (L3)	Total Amps	Fuse for Amps	Hook Up Wire Size
EL 1824	19 X 20 X 25	4.5	10474	10.47	15.9+5.3	350570-31	44.00	40	8	350570-32	22.00	38.00	22.00	38.00	50	6
EL 1824-PB	19 X 20 X 25	4.5	11924	11.92	Bot: 38.2	351570-31	50.00	70	4	351570-32	26.00	38.00	26.00	38.00	50	6
EL 2424	25 X 25 X 25	8.0	15000	15.00	11.1+3.7	350571-31	63.00	80	3	350571-32	32.00	55.00	32.00	55.00	70	4
EL 2424-PB	25 X 25 X 25	8.0	17500	17.50	Bot: 22.2	351571-31	73.00	90	2	351571-32	38.00	55.00	38.00	55.00	70	4
EL 2436	25 X 25 X 37	12.0	19000	19.00	13.1 + 4.4	350572-31	80.00	100	1	350572-32	46.00	46.00	46.00	46.00	60	6
EL 2436-PB	25 X 25 X 37	12.0	21500	21.50	Bot: 22.2	351572-31	90.00	125	1/0	351572-32	55.00	46.00	55.00	55.00	70	4
EL 2448	25 X 25 X 48	16.0	24200	24.20	27.5 + 9.2	350573-31	101.00	125	1/0	350573-32	59.00	59.00	59.00	59.00	80	3
EL 2448-PB	25 X 25 X 48	16.0	26700	26.70	Bot: 22.2	351573-31	112.00	150	2/0	351573-32	68.00	59.00	68.00	68.00	90	2
EL 2848	31 X 25 X 48	20.0	27000	27.00	25.6 + 8.5	350575-31	113.00	150	2/0	350575-32	66.00	66.00	65.00	66.00	90	2
EL 2848-PB	31 X 25 X 48	20.0	30100	30.10	Bot: 18.6	351575-31	126.00	175	4/0	351575-32	77.00	66.00	77.00	77.00	100	1
EL 3048	31 X 31 X 48	25.0	31500	31.50	21.1+7.0	350574-31	132.00	175	4/0	350574-32	76.00	76.00	76.00	76.00	100	1
EL 3048-PB	31 X 31 X 48	25.0	35350	35.35	Bot:28.8	351574-31	148.00	200	250 MCM	351574-32	91.00	76.00	91.00	91.00	125	1/0
EL 3648	37 X 37 X 48	36.0	40000	40.00	16.6+5.5	350576-31	167.00	225	300 MCM	350576-32	97.00	97.00	97.00	97.00	125	1/0
EL 3648-PB	37 X 37 X 48	36.0	45400	45.40	Bot:30.8	351576-31	190.00	250	350 MCM	351576-32	117.00	97.00	117.00	117.00	150	2/0

L&L KILN MFG, INC.

ELECTRICAL SPECIFICATIONS FOR EASY LOAD KILNS

Revision: P (First Issue)

				208 VOLTS												
			TOTAL	TOTAL		1 PHASE				3 phase - DELTA						
			KILN	KILN		208 VOLT				208 VOLT						
MODEL	INTERIOR DIMENSIONS: W - D - H	USABLE CUBIC FEET	WATTS @ 208v	K.W. @ 208 v	ELEMENT OHMS @ 208V: Sides + Door	1 PHASE WIRING DIAGRAM	Total Amps	Fuse for Amps	Hook Up Wire Size	3 PHASE WIRING DIAGRAM	Amps at Phase A (L1)	Amps at Phase B (L2)	Amps at Phase C (L3)	Total Amps	Fuse for Amps	Hook Up Wire Size
EL 1824	19 X 20 X 25	4.5	10,490	10.49	11.9+4.0	350570-21	51.00	70	4	350570-22	26.00	44.00	26.00	44.00	60	6
EL 1824-PB	19 X 20 X 25	4.5	11941	11.94	Bot:28.7	351570-21	58.00	80	3	351570-22	30.00	44.00	30.00	44.00	60	6
EL 2424	25 X 25 X 25	8.0	15000	15.00	8.3+2.9	350571-21	73.00	90	2	350571-22	37.00	63.00	37.00	63.00	80	3
EL 2424-PB	25 X 25 X 25	8.0	17500	17.50	Bot: 16.7	351571-21	85.00	125	1/0	351571-22	44.00	63.00	44.00	63.00	80	3
EL 2436	25 X 25 X 37	12.0	19000	19.00	9.9+3.3	350572-21	92.00	125	1/0	350572-22	53.00	53.00	53.00	53.00	70	4
EL 2436-PB	25 X 25 X 37	12.0	21500	21.50	Bot:16.7	351572-21	104.00	150	2/0	351572-22	64.00	53.00	64.00	64.00	80	3
EL 2448	25 X 25 X 48	16.0	24200	24.20	20.7 + 7.2	350573-21	117.00	150	2/0	350573-22	68.00	68.00	68.00	68.00	90	2
EL 2448-PB	25 X 25 X 48	16.0	26700	26.70	Bot: 17.3	351573-21	129.00	175	4/0	351573-22	78.00	68.00	78.00	78.00	100	1
EL 2848	31 X 25 X 48	20.0	27000	27.00	26.87	350575-21	130.00	175	4/0	350575-22	75.00	75.00	75.00	75.00	100	1
EL 2848-PB	31 X 25 X 48	20.0	30100	30.10	22.62	351575-21	145.00	200	250 MCM	351575-22	89.00	75.00	89.00	89.00	125	1/0
EL 3048	31 X 31 X 48	25.0	31500	31.50	15.9+5.3	350574-21	152.00	200	250 MCM	350574-22	88.00	88.00	88.00	88.00	125	1/0
EL 3048-PB	31 X 31 X 48	25.0	35350	35.35	Bot:21.6	351574-21	171.00	225	300 MCM	351574-22	104.00	88.00	104.00	104.00	150	2/0
EL 3648	37 X 37 X 48	36.0	40000	40.00	12.5+4.3	350576-21	193.00	250	350 MCM	350576-22	112.00	112.00	112.00	112.00	150	2/0
EL 3648-PB	37 X 37 X 48	36.0	45400	45.40	Bot:23.1	351576-21	219.00	300	500 MCM	351576-22	135.00	112.00	135.00	135.00	175	4/0

L&L KILN MFG, INC.

ELECTRICAL SPECIFICATIONS FOR EASY LOAD KILNS

Revision: P (First Issue)

			220 VOLTS														
			TOTAL	TOTAL		1 PHASE				3 phase - NOT AVAILABLE (SEE 380 VOLTS)						
			KILN	KILN		220 VOLT				220 VOLT						
MODEL	INTERIOR DIMENSIONS: W - D - H	USABLE CUBIC FEET	WATTS @ 220v	K.W. @ 220 v	ELEMENT OHMS @ 220V: Sides + Door	1 PHASE WIRING DIAGRAM	Total Amps	Fuse for Amps	Hook Up Wire Size	3 PHASE WIRING DIAGRAM	Amps at Phase A (L1)	Amps at Phase B (L2)	Amps at Phase C (L3)	Total Amps	Fuse for Amps	Hook Up Wire Size
EL 1824	19 X 20 X 25	4.5	10474	10.47	13.3+4.5	350570-41	48.00	60	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EL 1824-PB	19 X 20 X 25	4.5	11924	11.92	Bot: 32.1	351570-41	55.00	70	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EL 2424	25 X 25 X 25	8.0	15000	15.00	9.3+3.1	350571-41	69.00	90	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EL 2424-PB	25 X 25 X 25	8.0	17500	17.50	Bot: 18.7	351571-41	80.00	100	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EL 2436	25 X 25 X 37	12.0	19000	19.00	11.0+3.7	350572-41	87.00	125	1/0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EL 2436-PB	25 X 25 X 37	12.0	21500	21.50	Bot:18.7	351572-41	98.00	125	1/0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EL 2448	25 X 25 X 48	16.0	24200	24.20	23.1+7.7	350573-41	111.00	150	2/0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EL 2448-PB	25 X 25 X 48	16.0	26700	26.70	Bot:18.7	351573-41	122.00	175	4/0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EL 2848	31 X 25 X 48	20.0	27000	27.00	21.5+7.2	350575-41	123.00	175	4/0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EL 2848-PB	31 X 25 X 48	20.0	30100	30.10	Bot:18.7	351575-41	137.00	175	4/0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EL 3048	31 X 31 X 48	25.0	31500	31.50	17.7+5.9	350574-41	144.00	200	250 MCM	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EL 3048-PB	31 X 31 X 48	25.0	35350	35.35	Bot:24.2	351574-41	161.00	200	250 MCM	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EL 3648	37 X 37 X 48	36.0	40000	40.00	14.0+4.7	350576-41	182.00	225	300 MCM	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EL 3648-PB	37 X 37 X 48	36.0	45400	45.40	Bot:25.9	351576-41	207.00	300	500 MCM	N/A	N/A	N/A	N/A	N/A	N/A	N/A

L&L KILN MFG, INC.

ELECTRICAL SPECIFICATIONS FOR EASY LOAD KILNS

Revision: P (First Issue)

			380 VOLTS													
			TOTAL	TOTAL		1 Phase (NOT AVAILABLE - SEE 220 VOLTS					3 phase - WYE					
			KILN	KILN		380 VOLT					380 VOLT					
MODEL	INTERIOR DIMENSIONS: W - D - H	USABLE CUBIC FEET	WATTS @ 380v	K.W. @ 380 v	ELEMENT OHMS @ 380V: Sides + Door	1 PHASE WIRING DIAGRAM	Total Amps	Fuse for Amps	Hook Up Wire Size	3 PHASE WIRING DIAGRAM	Amps at Phase A (L1)	Amps at Phase B (L2)	Amps at Phase C (L3)	Total Amps	Fuse for Amps	Hook Up Wire Size
EL 1824	19 X 20 X 25	4.5	10474	10.47	13.3+4.5	N/A	N/A	N/A	N/A	350570-52	23.89	23.84	0.00	24.00	30	10
EL 1824-PB	19 X 20 X 25	4.5	11924	11.92	Bot: 32.1	N/A	N/A	N/A	N/A	351570-52	23.89	23.84	6.59	24.00	30	10
EL 2424	25 X 25 X 25	8.0	15000	15.00	9.3+3.1	N/A	N/A	N/A	N/A	350571-52	34.15	34.10	0.00	35.00	50	6
EL 2424-PB	25 X 25 X 25	8.0	17500	17.50	Bot: 18.7	N/A	N/A	N/A	N/A	351571-52	34.15	34.10	11.36	35.00	50	6
EL 2436	25 X 25 X 37	12.0	19000	19.00	11.0+3.7	N/A	N/A	N/A	N/A	350572-52	28.83	28.78	28.78	29.00	40	8
EL 2436-PB	25 X 25 X 37	12.0	21500	21.50	Bot:18.7	N/A	N/A	N/A	N/A	351572-52	28.83	28.78	40.14	41.00	60	6
EL 2448	25 X 25 X 48	16.0	24200	24.20	23.1+7.7	N/A	N/A	N/A	N/A	350573-52	36.72	36.67	36.67	37.00	50	6
EL 2448-PB	25 X 25 X 48	16.0	26700	26.70	Bot:18.7	N/A	N/A	N/A	N/A	351573-52	36.72	36.67	48.03	49.00	70	4
EL 2848	31 X 25 X 48	20.0	27000	27.00	21.5+7.2	N/A	N/A	N/A	N/A	350575-52	40.96	40.91	40.91	41.00	60	6
EL 2848-PB	31 X 25 X 48	20.0	30100	30.10	Bot:18.7	N/A	N/A	N/A	N/A	351575-52	40.96	40.91	55.00	55.00	70	4
EL 3048	31 X 31 X 48	25.0	31500	31.50	17.7+5.9	N/A	N/A	N/A	N/A	350574-52	47.77	47.72	47.72	48.00	60	6
EL 3048-PB	31 X 31 X 48	25.0	35350	35.35	Bot:24.2	N/A	N/A	N/A	N/A	351574-52	47.77	47.72	65.22	66.00	90	2
EL 3648	37 X 37 X 48	36.0	40000	40.00	14.0+4.7	N/A	N/A	N/A	N/A	350576-52	60.66	60.61	60.61	61.00	80	3
EL 3648-PB	37 X 37 X 48	36.0	45400	45.40	Bot:25.9	N/A	N/A	N/A	N/A	351576-52	60.66	60.61	85.15	86.00	125	1/0

L&L KILN MFG, INC.

ELECTRICAL SPECIFICATIONS FOR EASY LOAD KILNS

Revision: P (First Issue)

			480 VOLTS													
			TOTAL	TOTAL		1 PHASE					3 phase - DELTA					
			KILN	KILN		480 VOLT					480 VOLT					
MODEL	INTERIOR DIMENSIONS: W - D - H	USABLE CUBIC FEET	WATTS @ 480v	K.W. @ 480 v	ELEMENT OHMS @ 480V: Sides + Door	1 PHASE WIRING DIAGRAM	Total Amps	Fuse for Amps	Hook Up Wire Size	3 PHASE WIRING DIAGRAM	Amps at Phase A (L1)	Amps at Phase B (L2)	Amps at Phase C (L3)	Total Amps	Fuse for Amps	Hook Up Wire Size
EL 1824	19 X 20 X 25	4.5	10490	10.49	15.9+5.3	350570-61	22.00	30	10	350570-62	12.00	20.00	11.00	20.00	30	10
EL 1824-PB	19 X 20 X 25	4.5	11940	11.94	Bot: 152.9	351570-61	25.00	40	8	351570-62	13.00	20.00	13.00	20.00	n/a	n/a
EL 2424	25 X 25 X 25	8.0	15000	15.00	11.1+3.7	350571-61	32.00	40	8	350571-62	16.00	28.00	16.00	28.00	40	8
EL 2424-PB	25 X 25 X 25	8.0	17500	17.50	Bot: 88.7	351571-61	37.00	50	6	351571-62	20.00	28.00	19.00	28.00	40	8
EL 2436	25 X 25 X 37	12.0	19000	19.00	13.1+4.4	350572-61	40.00	50	6	350572-62	24.00	24.00	23.00	24.00	30	10
EL 2436-PB	25 X 25 X 37	12.0	21500	21.50	Bot:88.7	351572-61	45.00	60	6	351572-62	28.00	24.00	28.00	28.00	40	8
EL 2448	25 X 25 X 48	16.0	24200	24.20	27.9+9.5	350573-61	51.00	70	4	350573-62	30.00	30.00	30.00	30.00	40	8
EL 2448-PB	25 X 25 X 48	16.0	26700	26.70	Bot:88.7	351573-61	56.00	70	4	351573-62	34.00	30.00	34.00	34.00	50	6
EL 2848	31 X 25 X 48	20.0	27000	27.00	25.6+8.5	350575-61	57.00	80	3	350575-62	33.00	33.00	33.00	33.00	50	6
EL 2848-PB	31 X 25 X 48	20.0	30100	30.10	Bot:74.3	351575-61	63.00	80	3	351575-62	39.00	33.00	39.00	39.00	50	6
EL 3048	31 X 31 X 48	25.0	31500	31.50	21.1+7.0	350574-61	66.00	90	2	350574-62	39.00	39.00	38.00	39.00	50	6
EL 3048-PB	31 X 31 X 48	25.0	35350	35.35	Bot:28.8	351574-61	74.00	100	1	351574-62	46.00	39.00	46.00	46.00	60	6
EL 3648	37 X 37 X 48	36.0	40000	40.00	16.6+5.5	350576-61	84.00	125	1/0	350576-62	49.00	49.00	49.00	49.00	70	4
EL 3648-PB	37 X 37 X 48	36.0	45400	45.40	Bot:13.7	351576-61	95.00	125	1/0	351576-62	59.00	49.00	59.00	59.00	80	3
							1.00									