



SECTION 13

AUTOTRANSFORMERS

Aluminum and Copper Three Phase

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GENERAL PURPOSE AUTOTRANSFORMERS

Hammond three phase autotransformers are available for applications where small voltage corrections are necessary in a distribution system. They are frequently used as an economical alternative to general purpose distribution transformers to adjust the supply voltage to match specific load requirements when load isolation from the supply line is not required. Autotransformers can be used as either a step-up or step-down transformer.

ALUMINUM & COPPER WOUND FEATURES

3 to 500 kVA



THREE PHASE FEATURES

FEATURE	3 to 500 kVA
UL Listed	File: E112313
CSA Certified	File: LR3902
Frequency	60 Hz
Insulation System	180°C (115°C rise), 220°C (150°C rise)
Enclosure Type	Heavy Duty Ventilated NEMA Type 1
Enclosure Finish	ANSI 61 Grey
Termination	Front accessible compartment with high and low voltage terminals; connectors (up to 340A) suitable for copper and aluminum provided.
Conduit Knock-Outs	Standard on all units.
Voltage Regulation	Less than 3%.
Mounting	Standard Floor Mounting with integral Wall Mounting Brackets included.
Neutral Termination	Standard on all Aluminum wound units. For Copper units, add suffix "N" to part number.

Other voltages not listed in this section are available upon request for both aluminum and copper wound units. Please contact customer service for details, price and availability.



ALUMINUM WOUND, THREE PHASE NEMA 1 STYLE ENCLOSURE

Products listed on this page are available as 'CE Mark' products. Please consult our sales office.

600Y Primary Volts 480Y Secondary Volts 60 Hz

kVA	Catalog Number	Case Style <small>(Pages 254-257)</small>	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram <small>(Pages 258-269)</small>
			Width	Depth	Height			
3, 6, 9, 15, 30 and 45 kVA units are only available in copper. Please see page 229 for specifications.								
75	Y075PK	H1	19.50	16.50	19.00	180	W or F	SCD 31
112.5	Y112PK	H2	24.50	20.50	24.50	220	W or F	SCD 31
150	Y150PK	H2	24.50	20.50	24.50	280	W or F	SCD 31
225	Y225PK	H2	24.50	20.50	24.50	390	W or F	SCD 31
300	Y300PK	H3	30.00	24.00	32.50	470	W or F	SCD 31
500	Y500PK	H4	33.00	26.00	36.00	680	F	SCD 31

600Y Primary Volts 416Y Secondary Volts 60 Hz

kVA	Catalog Number	Case Style <small>(Pages 254-257)</small>	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram <small>(Pages 258-269)</small>
			Width	Depth	Height			
3, 6, 9, 15 and 30 kVA units are only available in copper. Please see page 229 for specifications.								
45	Y045PH	H1	19.50	16.50	19.00	175	W or F	SCD 31
75	Y075PH	H2	24.50	20.50	24.50	240	W or F	SCD 31
112.5	Y112PH	H2	24.50	20.50	24.50	320	W or F	SCD 31
150	Y150PH	H2	24.50	20.50	24.50	400	W or F	SCD 31
225	Y225PH	H3	30.00	24.00	32.50	550	W or F	SCD 31
300	Y300PH	H4	33.00	26.00	36.00	630	F	SCD 31

600Y Primary Volts 380Y Secondary Volts 60 Hz

kVA	Catalog Number	Case Style <small>(Pages 254-257)</small>	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram <small>(Pages 258-269)</small>
			Width	Depth	Height			
3, 6, 9 and 15 kVA units are only available in copper. Please see page 230 for specifications.								
30	Y030PG	H1	19.50	16.50	19.00	160	W or F	SCD 31
45	Y045PG	H2	24.50	20.50	24.50	210	W or F	SCD 31
75	Y075PG	H2	24.50	20.50	24.50	245	W or F	SCD 31
112.5	Y112PG	H2	24.50	20.50	24.50	330	W or F	SCD 31
150	Y150PG	H3	30.00	24.00	32.50	480	W or F	SCD 31
225	Y225PG	H3	30.00	24.00	32.50	610	W or F	SCD 31

600Y Primary Volts 240Y Secondary Volts 60 Hz

kVA	Catalog Number	Case Style <small>(Pages 254-257)</small>	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram <small>(Pages 258-269)</small>
			Width	Depth	Height			
3, 6, 9 and 15 kVA units are only available in copper. Please see page 230 for specifications.								
30	Y030PD	H2	24.50	20.50	24.50	220	W or F	SCD 31
45	Y045PD	H2	24.50	20.50	24.50	240	W or F	SCD 31
75	Y075PD	H2	24.50	20.50	24.50	390	W or F	SCD 31
112.5	Y112PD	H3	30.00	24.00	32.50	520	W or F	SCD 31
150	Y150PD	H4	33.00	26.00	36.00	620	F	SCD 31
225	Y225PD	H4	33.00	26.00	36.00	780	F	SCD 31



ALUMINUM WOUND, THREE PHASE NEMA 1 STYLE ENCLOSURE

Products listed on this page are available as 'CE Mark' products. Please consult our sales office.

600Y Primary Volts 208Y Secondary Volts 60 Hz

kVA	Catalog Number	Case Style <small>(Pages 254-257)</small>	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram <small>(Pages 258-269)</small>
			Width	Depth	Height			
3, 6, 9 and 15 kVA units are only available in copper. Please see page 230 for specifications.								
30	Y030PB	H2	24.50	20.50	24.50	220	W or F	SCD 31
45	Y045PB	H2	24.50	20.50	24.50	280	W or F	SCD 31
75	Y075PB	H3	30.00	24.00	32.50	430	W or F	SCD 31
112.5	Y112PB	H3	30.00	24.00	32.50	580	W or F	SCD 31
150	Y150PB	H4	33.00	26.00	36.00	700	F	SCD 31
225	Y225PB	H4	33.00	26.00	36.00	840	F	SCD 31

480Y Primary Volts 380Y Secondary Volts 60 Hz

kVA	Catalog Number	Case Style <small>(Pages 254-269)</small>	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram <small>(Pages 258-269)</small>
			Width	Depth	Height			
3, 6, 9, 15, 30 and 45 kVA units are only available in copper. Please see page 230 for specifications.								
75	Y075KG	H1	19.50	16.50	19.00	185	W or F	SCD 31
112.5	Y112KG	H2	24.50	20.50	24.50	240	W or F	SCD 31
150	Y150KG	H2	24.50	20.50	24.50	300	W or F	SCD 31
225	Y225KG	H3	30.00	24.00	32.50	470	W or F	SCD 31
300	Y300KG	H3	30.00	24.00	32.50	520	W or F	SCD 31
500	Y500KG	H4	33.00	26.00	36.00	720	F	SCD 31

480Y Primary Volts 240Y Secondary Volts 60 Hz

kVA	Catalog Number	Case Style <small>(Pages 254-257)</small>	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram <small>(Pages 258-269)</small>
			Width	Depth	Height			
3, 6, 9 and 15 kVA units are only available in copper. Please see page 231 for specifications.								
30	Y030KD	H1	19.50	16.50	19.00	180	W or F	SCD 31
45	Y045KD	H2	24.50	20.50	24.50	220	W or F	SCD 31
75	Y075KD	H2	24.50	20.50	24.50	320	W or F	SCD 31
112.5	Y112KD	H2	24.50	20.50	24.50	450	W or F	SCD 31
150	Y150KD	H3	30.00	24.00	32.50	580	W or F	SCD 31
225	Y225KD	H4	33.00	26.00	36.00	740	F	SCD 31

480Y Primary Volts 208Y Secondary Volts 60 Hz

kVA	Catalog Number	Case Style <small>(Pages 254-257)</small>	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram <small>(Pages 258-269)</small>
			Width	Depth	Height			
3, 6, 9 and 15 kVA units are only available in copper. Please see page 231 for specifications.								
30	Y030KB	H1	19.50	16.50	19.00	190	W or F	SCD 31
45	Y045KB	H2	24.50	20.50	24.50	240	W or F	SCD 31
75	Y075KB	H2	24.50	20.50	24.50	350	W or F	SCD 31
112.5	Y112KB	H3	30.00	24.00	32.50	490	W or F	SCD 31
150	Y150KB	H3	30.00	24.00	32.50	620	W or F	SCD 31
225	Y225KB	H4	33.00	26.00	36.00	750	F	SCD 31



ALUMINUM WOUND, THREE PHASE NEMA 1 STYLE ENCLOSURE

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230Y Primary Volts 208Y Secondary Volts 60 Hz

kVA	Catalog Number	Case Style <small>(Pages 254-257)</small>	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram <small>(Pages 258-269)</small>
			Width	Depth	Height			
3, 6, 9, 15, 30, 45 and 75 kVA units are only available in copper. Please see page 231 for specifications.								
112.5	Y112CB	H1	19.50	16.50	19.00	160	W or F	SCD 31
150	Y150CB	H2	24.50	20.50	24.50	200	W or F	SCD 31
225	Y225CB	H3	30.00	24.00	32.50	260	W or F	SCD 31
300	Y300CB	H3	30.00	24.00	32.50	300	W or F	SCD 31
500	Y500CB	H4	33.00	26.00	36.00	450	F	SCD 31

COPPER WOUND, THREE PHASE NEMA 1 STYLE ENCLOSURE

600Y Primary Volts 480Y Secondary Volts 60 Hz

kVA	Catalog Number	Case Style <small>(Pages 254-257)</small>	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram <small>(Pages 258-269)</small>
			Width	Depth	Height			
3	KA3	A1	12.00	7.00	10.20	20	W or F	SCD 38
6	KA6	A1	12.00	7.00	10.20	25	W or F	SCD 38
9	KA9	A1	12.00	7.00	10.20	40	W or F	SCD 38
15	KA15	A2	17.25	11.25	14.00	60	W or F	SCD 38
30	KA30	H1	19.50	16.50	19.00	125	W or F	SCD 38
45	KA45	H1	19.50	16.50	19.00	150	W or F	SCD 38
75	KA75	H1	19.50	16.50	19.00	190	W or F	SCD 38
112.5	KA112	H1	19.50	16.50	19.00	240	W or F	SCD 38
150	KA150	H2	24.50	20.50	24.50	340	W or F	SCD 38
225	KA225	H2	24.50	20.50	24.50	410	W or F	SCD 38
300	KA300	H3	30.00	24.00	32.50	570	W or F	SCD 38
500	KA500	H4	33.00	26.00	36.00	700	F	SCD 38

600Y Primary Volts 416Y Secondary Volts 60 Hz

kVA	Catalog Number	Case Style <small>(Pages 254-257)</small>	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram <small>(Pages 258-269)</small>
			Width	Depth	Height			
3	KD3	A1	12.00	7.00	10.20	25	W or F	SCD 38
6	KD6	A1	12.00	7.00	10.20	40	W or F	SCD 38
9	KD9	A2	17.25	11.25	14.00	60	W or F	SCD 38
15	KD15	A2	17.25	11.25	14.00	90	W or F	SCD 38
30	KD30	H1	19.50	16.50	19.00	120	W or F	SCD 38
45	KD45	H1	19.50	16.50	19.00	170	W or F	SCD 38
75	KD75	H2	24.50	20.50	24.50	275	W or F	SCD 38
112.5	KD112	H2	24.50	20.50	24.50	320	W or F	SCD 38
150	KD150	H2	24.50	20.50	24.50	400	W or F	SCD 38
225	KD225	H3	30.00	24.00	32.50	460	W or F	SCD 38
300	KD300	H3	30.00	24.00	32.50	610	W or F	SCD 38



COPPER WOUND, THREE PHASE NEMA 1 STYLE ENCLOSURE

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600Y Primary Volts 380Y Secondary Volts 60 Hz

kVA	Catalog Number	Case Style <small>(Pages 254-257)</small>	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram <small>(Pages 258-269)</small>
			Width	Depth	Height			
3	KG3	A1	12.00	7.00	10.20	35	W or F	SCD 38
6	KG6	A2	17.25	11.25	14.00	65	W or F	SCD 38
9	KG9	A2	17.25	11.25	14.00	85	W or F	SCD 38
15	KG15	A2	17.25	11.25	14.00	125	W or F	SCD 38
30	KG30	H1	19.50	16.50	19.00	160	W or F	SCD 38
45	KG45	H1	19.50	16.50	19.00	220	W or F	SCD 38
75	KG75	H2	24.50	20.50	24.50	270	W or F	SCD 38
112.5	KG112	H2	24.50	20.50	24.50	430	W or F	SCD 38
150	KG150	H3	30.00	24.00	32.50	500	W or F	SCD 38
225	KG225	H3	30.00	24.00	32.50	680	W or F	SCD 38

600Y Primary Volts 240Y Secondary Volts 60 Hz

kVA	Catalog Number	Case Style <small>(Pages 254-257)</small>	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram <small>(Pages 258-269)</small>
			Width	Depth	Height			
3	KB3	A1	12.00	7.00	10.20	40	W or F	SCD 38
6	KB6	A2	17.25	11.25	14.00	70	W or F	SCD 38
9	KB9	A2	17.25	11.25	14.00	90	W or F	SCD 38
15	KB15	H1	19.50	16.50	19.00	110	W or F	SCD 38
30	KB30	H1	19.50	16.50	19.00	200	W or F	SCD 38
45	KB45	H2	24.50	20.50	24.50	260	W or F	SCD 38
75	KB75	H2	24.50	20.50	24.50	370	W or F	SCD 38
112.5	KB112	H3	30.00	24.00	32.50	580	W or F	SCD 38
150	KB150	H4	33.00	26.00	36.00	630	F	SCD 38
225	KB225	H4	33.00	26.00	36.00	930	F	SCD 38

600Y Primary Volts 208Y Secondary Volts 60 Hz

kVA	Catalog Number	Case Style <small>(Pages 254-257)</small>	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram <small>(Pages 258-269)</small>
			Width	Depth	Height			
3	KC3	A2	17.25	11.25	14.00	60	W or F	SCD 38
6	KC6	A2	17.25	11.25	14.00	80	W or F	SCD 38
9	KC9	A2	17.25	11.25	14.00	90	W or F	SCD 38
15	KC15	H1	19.50	16.50	19.00	150	W or F	SCD 38
30	KC30	H1	19.50	16.50	19.00	220	W or F	SCD 38
45	KC45	H2	24.50	20.50	24.50	280	W or F	SCD 38
75	KC75	H3	30.00	24.00	32.50	400	W or F	SCD 38
112.5	KC112	H3	30.00	24.00	32.50	600	W or F	SCD 38
150	KC150	H4	33.00	26.00	36.00	650	F	SCD 38
225	KC225	H4	33.00	26.00	36.00	860	F	SCD 38

480Y Primary Volts 380Y Secondary Volts 60 Hz

kVA	Catalog Number	Case Style <small>(Pages 254-269)</small>	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram <small>(Pages 258-269)</small>
			Width	Depth	Height			
3	Y003KGCF	A1	12.00	7.00	10.20	45	W or F	SCD 38
6	Y006KGCF	A2	17.25	11.25	14.00	60	W or F	SCD 38
9	Y009KGCF	A2	17.25	11.25	14.00	90	W or F	SCD 38
15	Y015KGC	H1	19.50	16.50	19.00	105	W or F	SCD 38
30	Y030KGC	H1	19.50	16.50	19.00	190	W or F	SCD 38
45	Y045KGC	H2	24.50	20.50	24.50	240	W or F	SCD 38
75	Y075KGC	H2	24.50	20.50	24.50	330	W or F	SCD 38
112.5	Y112KGC	H3	30.00	24.00	32.50	430	W or F	SCD 38
150	Y150KGC	H3	30.00	24.00	32.50	600	W or F	SCD 38
225	Y225KGC	H4	33.00	26.00	36.00	790	F	SCD 38



COPPER WOUND, THREE PHASE NEMA 1 STYLE ENCLOSURE

Products listed on this page are available as 'CE Mark' products. Please consult our sales office.

480Y Primary Volts 240Y Secondary Volts 60 Hz

kVA	Catalog Number	Case Style <small>(Pages 254-257)</small>	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram <small>(Pages 258-269)</small>
			Width	Depth	Height			
3	KF3	A1	12.00	7.00	10.20	45	W or F	SCD 38
6	KF6	A2	17.25	11.25	14.00	60	W or F	SCD 38
9	KF9	A2	17.25	11.25	14.00	90	W or F	SCD 38
15	KF15	H1	19.50	16.50	19.00	105	W or F	SCD 38
30	KF30	H1	19.50	16.50	19.00	190	W or F	SCD 38
45	KF45	H2	24.50	20.50	24.50	240	W or F	SCD 38
75	KF75	H2	24.50	20.50	24.50	330	W or F	SCD 38
112.5	KF112	H3	30.00	24.00	32.50	430	W or F	SCD 38
150	KF150	H3	30.00	24.00	32.50	600	W or F	SCD 38
225	KF225	H4	33.00	26.00	36.00	790	F	SCD 38

480Y Primary Volts 208Y Secondary Volts 60 Hz

kVA	Catalog Number	Case Style <small>(Pages 254-257)</small>	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram <small>(Pages 258-269)</small>
			Width	Depth	Height			
3	KH3	A1	12.00	7.00	10.20	45	W or F	SCD 38
6	KH6	A2	17.25	11.25	14.00	60	W or F	SCD 38
9	KH9	A2	17.25	11.25	14.00	90	W or F	SCD 38
15	KH15	H1	19.50	16.50	19.00	105	W or F	SCD 38
30	KH30	H1	19.50	16.50	19.00	190	W or F	SCD 38
45	KH45	H2	24.50	20.50	24.50	240	W or F	SCD 38
75	KH75	H2	24.50	20.50	24.50	330	W or F	SCD 38
112.5	KH112	H3	30.00	24.00	32.50	430	W or F	SCD 38
150	KH150	H3	30.00	24.00	32.50	600	W or F	SCD 38
225	KH225	H4	33.00	26.00	36.00	790	F	SCD 38

230Y Primary Volts 208Y Secondary Volts 60 Hz

kVA	Catalog Number	Case Style <small>(Pages 254-257)</small>	Approx. Dimensions (Inches)			Approx. Weight (Lbs.)	Mtg Type W - Wall F - Floor	Wiring Diagram <small>(Pages 258-269)</small>
			Width	Depth	Height			
3	KR3	A1	12.00	7.00	10.20	18	W or F	SCD 38
6	KR6	A1	12.00	7.00	10.20	25	W or F	SCD 38
9	KR9	A1	12.00	7.00	10.20	30	W or F	SCD 38
15	KR15	A2	17.25	11.25	14.00	40	W or F	SCD 38
30	KR30	A2	17.25	11.25	14.00	75	W or F	SCD 38
45	KR45	A2	17.25	11.25	14.00	85	W or F	SCD 38
75	KR75	H1	19.50	16.50	19.00	140	W or F	SCD 38
112.5	KR112	H2	24.50	20.50	24.50	180	W or F	SCD 38
150	KR150	H2	24.50	20.50	24.50	210	W or F	SCD 38
225	KR225	H3	30.00	24.00	32.50	240	W or F	SCD 38
300	KR300	H3	30.00	24.00	32.50	350	W or F	SCD 38
500	KR500	H4	33.00	26.00	36.00	550	F	SCD 38

SECTION 13



TERMINATION DETAILS

THREE PHASE ALUMINUM TERMINATION - AWG (MCM) OR PADS

KVA	VOLTAGE						
	208	230	240	380	416	480	600
3	#8-#14	#8-#14	#8-#14	#8-#14	#8-#14	#8-#14	#8-#14
6	#8-#14	#8-#14	#8-#14	#8-#14	#8-#14	#8-#14	#8-#14
9	#8-#14	#8-#14	#8-#14	#8-#14	#8-#14	#8-#14	#8-#14
15	#2-#14	#8-#14	#8-#14	#8-#14	#8-#14	#8-#14	#8-#14
30	#2/0-#6	#2/0-#6	#2/0-#6	#2-#14	#2-#14	#8-#14	#8-#14
45	#2/0-#6	#2/0-#6	#2/0-#6	#2/0-#6	#2/0-#6	#2/0-#6	#2/0-#6
75	#350-#6	#250-#6	#250-#6	#2/0-#6	#2/0-#6	#2/0-#6	#2/0-#6
112.5	#600-#2	#600-#2	#600-#2	#250-#6	#250-#6	#2/0-#6	#2/0-#6
150	Diagram 1D	Diagram 1D	Diagram 1D	#350-#6	#350-#6	#250-#6	#250-#6
225	Diagram 2	Diagram 1D	Diagram 1D	Diagram 1D	#600-#2	#600-#2	#350-#6
300	Diagram 2	Diagram 2	Diagram 2	Diagram 1D	Diagram 1D	Diagram 1D	#600-#2
500	Diagram 2	Diagram 2	Diagram 2	Diagram 2	Diagram 2	Diagram 2	Diagram 1D

THREE PHASE COPPER TERMINATION - AWG (MCM) OR PADS

KVA	VOLTAGE						
	208	230	240	380	416	480	600
3	#8-#14	#8-#14	#8-#14	#8-#14	#8-#14	#8-#14	#8-#14
6	#8-#14	#8-#14	#8-#14	#8-#14	#8-#14	#8-#14	#8-#14
9	#8-#14	#8-#14	#8-#14	#8-#14	#8-#14	#8-#14	#8-#14
15	#2-#14	#8-#14	#8-#14	#8-#14	#8-#14	#8-#14	#8-#14
30	#2/0-#6	#2-#6	#2-#6	#2-#14	#2-#14	#8-#14	#8-#14
45	#2/0-#6	#2/0-#6	#2/0-#6	#2-#6	#2-#6	#2-#6	#2-#6
75	#350-#6	#250-#6	#250-#6	#2/0-#6	#2/0-#6	#2-#6	#2-#6
112.5	#600-#2	#600-#2	#600-#2	#250-#6	#250-#6	#2/0-#6	#2/0-#6
150	Diagram 1D	Diagram 1D	Diagram 1D	#350-#6	#350-#6	#250-#6	#250-#6
225	Diagram 2	Diagram 1D	Diagram 1D	Diagram 1D	#600-#2	#600-#2	#350-#6
300	Diagram 2	Diagram 2	Diagram 2	Diagram 1D	Diagram 1D	Diagram 1D	#600-#2
500	Diagram 2	Diagram 2	Diagram 2	Diagram 2	Diagram 2	Diagram 2	Diagram 1D

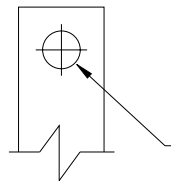


DIAGRAM 1

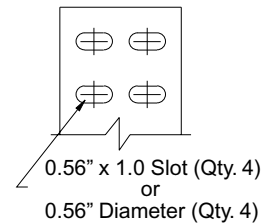


DIAGRAM 2

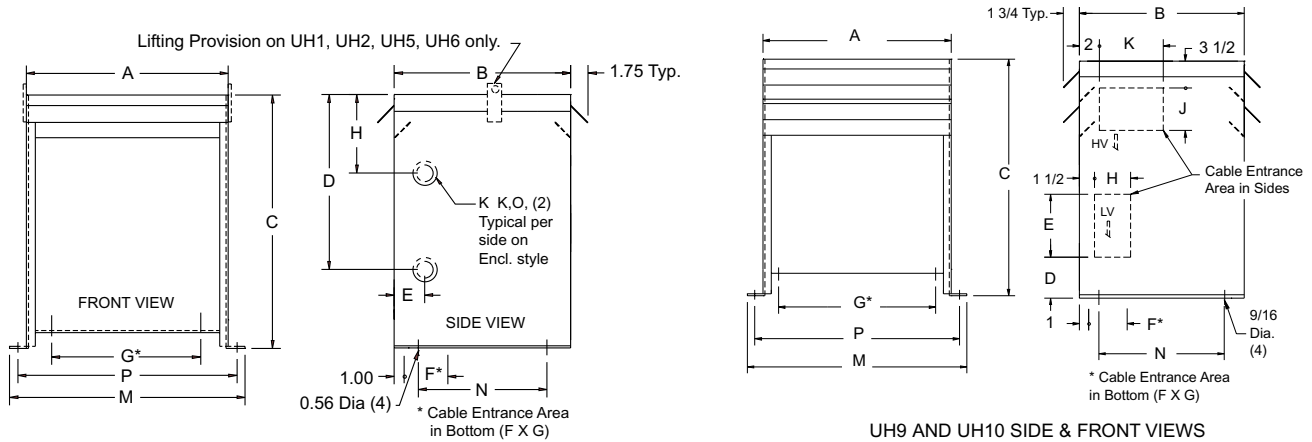
SECTION 13



GENERAL INFORMATION

DIMENSIONAL DRAWINGS

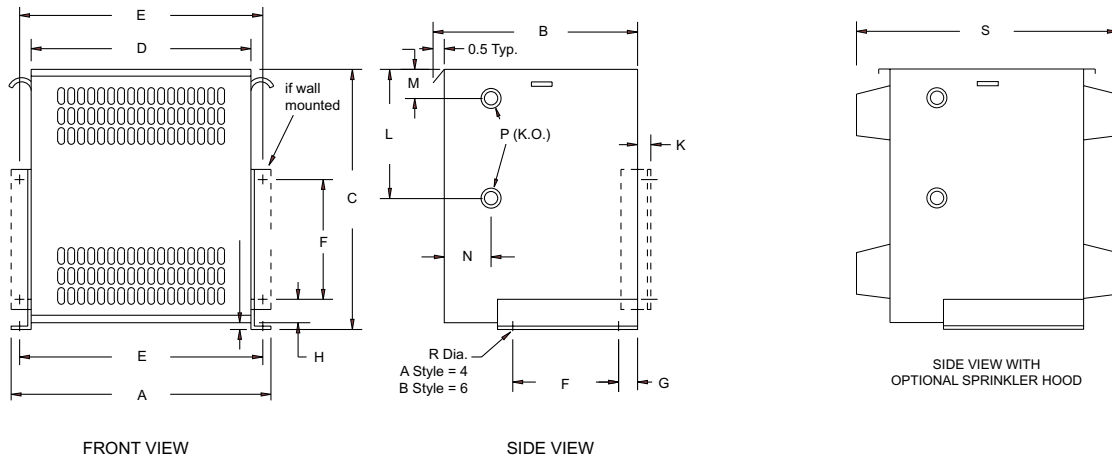
'UH' SERIES ENCLOSURES



Case Style	Dimensions in Inches											
	A	B	C	D	E	F	G	H	K	M	N	P
UH1	16.75	14.00	22.00	11.00	2.50	2.25	9.00	6.00	1.38 X 1.75	19.25	9.00	18.25
UH2	21.50	19.50	29.00	15.00	2.50	3.25	14.00	6.00	1.38 X 2.50	24.00	14.50	23.00
UH3	26.00	21.00	38.00	24.00	3.00	4.75	18.00	8.00	2.00 X 3.00	28.50	16.00	27.50
UH4	30.00	24.00	39.00	24.00	3.00	3.75	20.00	9.00	2.00 X 3.00	32.50	19.00	31.50
UH5	13.00	14.00	23.00	10.00	2.50	2.25	6.00	6.00	1.38 X 1.75	15.50	9.00	14.50
UH6	16.00	19.00	31.00	15.00	2.50	2.75	7.00	6.00	2.00 X 3.00	18.50	14.00	17.50
UH7	19.50	21.00	35.00	20.00	3.00	5.25	10.00	8.00	2.00 X 3.00	22.00	16.00	21.00
UH8	24.00	25.00	39.00	24.00	3.00	4.75	11.00	9.00	2.00 X 3.00	26.50	20.00	25.50
UH9	26.50	26.00	44.00	5.00	4.00	5.00	22.50	4.50	10.00	28.50	21.50	27.50
UH10	34.00	30.00	44.00	5.00	6.00	6.00	26.50	5.00	10.00	32.50	29.00	31.50

Note: J dimension for UH9 = 3.50". J dimension for UH10 = 4.00"

'A' & 'H' SERIES ENCLOSURES



Case Style	Dimensions in Inches														
	A	B	C	D	E	F	G	H	K	L	M	N	P	R	S
A1*	12.00	7.00	10.20	10.00	11.40	5.00	0.50	0.50	0.60	5.50	1.60	1.00	0.5 X 0.75	0.31	10.00
A2*	17.25	11.25	14.00	14.75	16.50	7.00	0.90	0.90	0.40	9.50	2.00	1.00	0.75 X 1.0	0.40	13.25
H1	19.50	16.50	19.00	16.50	18.50	10.00	2.00	3.25	2.50	10.00	2.00	2.50	1.0 X 1.25	0.56	22.50
H2	24.50	20.50	24.50	21.50	23.50	10.00	2.00	3.25	2.50	12.00	2.50	2.50	1.0 X 2.0	0.56	26.50
H3	30.00	24.00	32.50	27.00	29.00	16.00	2.00	3.25	2.50	13.00	3.00	3.00	1.5 X 2.5	0.56	30.00
H4	33.00	26.00	36.00	30.00	32.00	16.00	2.00	3.25	2.50	13.00	3.00	3.00	1.5 X 2.5	0.56	32.00
H5	16.00	16.50	18.00	13.00	15.00	10.00	2.00	3.25	2.50	7.50	2.00	2.50	1.0 X 1.25	0.56	22.50
H6	21.25	20.00	28.00	18.25	20.25	10.00	2.00	3.25	2.50	12.50	3.00	2.50	1.5 X 2.5	0.56	26.00
H7	24.00	26.00	30.00	21.00	23.00	16.00	2.00	3.25	2.50	13.00	3.00	3.00	1.5 X 2.5	0.56	32.00
H8	27.00	26.00	36.00	24.00	26.00	16.00	2.00	3.25	2.50	13.00	3.00	3.00	1.5 X 2.5	0.56	32.00

* No ventilation slots in rear.

GENERAL INFORMATION

ELECTRICAL SCHEMATICS AND CONNECTION DIAGRAMS

SCD 1

SCHEMATIC	CONNECTIONS		
	Primary Volts	Connect lines to	Inter-connect
	480 416	H1, H4	H2-H3
	240 208	H1, H4	H1-H3, H2-H4
	Secondary Volts	Connect lines to	Inter-connect
	240	X1, X4	X2-X3
	120/240	X1, X2, X4	X2-X3
	120	X1, X4	X2-X4, X1-X3

SCD 2

SCHEMATIC	CONNECTIONS		
	Primary Volts	Connect lines to	Inter-connect
	480	H1, H2	1-2
	468	H1, H2	2-3
	456	H1, H2	3-4
	240	H1, H2	H1-2, H2-1
	228	H1, H2	H1-4, H2-3
	Secondary Volts	Connect lines to	Inter-connect
	240	X1, X4	X2-X3
	120/240	X1, X2, X4	X2-X3
	120	X1, X4	X2-X4, X1-X3

SCD 3

SCHEMATIC	CONNECTIONS		
	Primary Volts	Connect lines to	Inter-connect
	504	H1, H4	1-H2, 2-H3, H2-H3
	492	H1, H4	2-H3, 3-H2, H2-H3
	480	H1, H4	3-H2, 4-H3, H2-H3
	468	H1, H4	4-H3, 5-H2, H2-H3
	456	H1, H4	5-H2, 6-H3, H2-H3
	252	H1, H4	1-H2, 2-H3, H1-H3, H2-H4
	240	H1, H4	3-H2, 4-H3, H1-H3, H2-H4
	228	H1, H4	5-H2, 6-H3, H1-H3, H2-H4
		Secondary Volts	Connect lines to
240		X1, X4	X2-X3
120/240		X1, X2, X4	X2-X3
	120	X1, X4	X2-X4, X1-X3

SCD 4

SCHEMATIC	CONNECTIONS		
	Primary Volts	Connect lines to	Inter-connect
	208 277 347 380 416 600	H1, H2	---
	Secondary Volts	Connect lines to	Inter-connect
	240	X1, X4	X2-X3
	120/240	X1, X2, X4	X2-X3
	120	X1, X4	X2-X4, X1-X3

GENERAL INFORMATION



GENERAL INFORMATION

ELECTRICAL SCHEMATICS AND CONNECTION DIAGRAMS

SCD 5

SCHEMATIC		CONNECTIONS		
	Primary Volts		Connect lines to	Inter-connect
	208 240 277 416 480 600	H1, H2	1-2	
	198 228 263 395 456 570	H1, H2	2-3	
	187 216 249 374 432 540	H1, H2	3-4	
120 208 240	H1, H2	H1-2, H2-1		
108 187 216	H1, H2	H1-4, H2-3		
Secondary Volts		Connect lines to	Inter-connect	
240	X1, X4	X2-X3		
120/240	X1, X2, X4	X2-X3		
120	X1, X4	X2-X4, X1-X3		

SCD 6

SCHEMATIC		CONNECTIONS		
	Primary Volts		Connect lines to	Inter-connect
	218 291 437 504 630 2520 4368	H1, H2	1-2	
	213 284 426 492 615 2460 4264	H1, H2	2-3	
	208 277 416 480 600 2400 4160	H1, H2	3-4	
203 270 406 468 585 2340 4056	H1, H2	4-5		
198 263 395 456 570 2280 3952	H1, H2	5-6		
Secondary Volts		Connect lines to	Inter-connect	
240	X1, X4	X2-X3		
120/240	X1, X2, X4	X2-X3		
120	X1, X4	X2-X4, X1-X3		

SCD 7

SCHEMATIC		CONNECTIONS		
	Primary Volts		Connect lines to	Inter-connect
	218 252 437 483 504 630	H1, H2, H3	1	
	208 240 416 460 480 600	H1, H2, H3	2	
	198 228 395 437 456 570	H1, H2, H3	3	
Secondary Volts		Connect lines to		
208 230 240 380 416 460 480 600	X1, X2, X3			
120 133 139 220 240 265 277 347	X1, X0	X2, X0	X3, X0	

SCD 8

SCHEMATIC		CONNECTIONS		
	Primary Volts		Connect lines to	Inter-connect
	218 252 437 483 504 630 2520 4368	H1, H2, H3	1-2	
	208 240 416 460 480 600 2400 4160	H1, H2, H3	2-3	
	198 228 395 437 456 570 2280 3952	H1, H2, H3	3-4	
Secondary Volts		Connect lines to		
208 230 240 380 416 460 480 600	X1, X2, X3			
120 133 139 220 240 265 277 347	X1, X0	X2, X0	X3, X0	

GENERAL INFORMATION



GENERAL INFORMATION

ELECTRICAL SCHEMATICS AND CONNECTION DIAGRAMS

SCD 9

SCHEMATIC		CONNECTIONS			
		Primary Volts		Connect lines to	Inter-connect
		218 252 437 483 504 630 2520 4368	H1, H2, H3	1	
		Secondary Volts		Connect lines to	Inter-connect
		213 246 426 574 492 615 2460 4264	H1, H2, H3	2	
		208 240 416 460 480 600 2400 4160	H1, H2, H3	3	
		203 234 406 449 468 585 2340 4056	H1, H2, H3	4	
		198 228 395 437 456 570 2280 3952	H1, H2, H3	5	
		Secondary Volts		Connect lines to	Inter-connect
		208 380 416 480 600	X1, X2, X3	-	
		120 220 240 277 347	X1, X0	-	
			X2, X0	-	
			X3, X0	-	

SCD 10

SCHEMATIC		CONNECTIONS			
		Primary Volts		Connect lines to	Inter-connect
		218 252 437 483 504 630 2520 4368	H1, H2, H3	1-2	
		Secondary Volts		Connect lines to	Inter-connect
		213 246 426 574 492 615 2460 4264	H1, H2, H3	2-3	
		208 240 416 460 480 600 2400 4160	H1, H2, H3	3-4	
		203 234 406 449 468 585 2340 4056	H1, H2, H3	4-5	
		198 228 395 437 456 570 2280 3952	H1, H2, H3	5-6	
		Secondary Volts		Connect lines to	Inter-connect
		208 380 416 480 600	X1, X2, X3	-	
		120 220 240 277 347	X1, X0	-	
			X2, X0	-	
			X3, X0	-	

SCD 11

SCHEMATIC		CONNECTIONS		
		Primary Volts		Inter-connect
		252 504	H1, H2, H3	1
		Secondary Volts		Inter-connect
		240 480	H1, H2, H3	2
		228 456	H1, H2, H3	3
		Secondary Volts		Inter-connect
		240	X1, X2, X3	-

SCD 12

SCHEMATIC		CONNECTIONS		
		Primary Volts		Inter-connect
		480 600	H1, H2, H3	1-2
		Secondary Volts		Inter-connect
		456 570	H1, H2, H3	2-3
		432 540	H1, H2, H3	3-4
		Secondary Volts		Inter-connect
		240	X1, X2, X3	-

GENERAL INFORMATION

ELECTRICAL SCHEMATICS AND CONNECTION DIAGRAMS

SCD 13

SCHEMATIC		CONNECTIONS		
	Primary Volts	Connect lines to	Inter-connect	
	480 600	H1, H2, H3	1-2	
	456 570	H1, H2, H3	2-3	
	432 540	H1, H2, H3	3-4	
	Secondary Volts	Connect lines to	Inter-connect	
	240	X1, X2, X3	-	
	120	X1, X6	-	
		X3, X6	-	

SCD 14

SCHEMATIC		CONNECTIONS		
	Primary Volts	Connect lines to	Inter-connect	
	504	H1, H2, H3	1	
	492	H1, H2, H3	2	
	480	H1, H2, H3	3	
	468	H1, H2, H3	4	
	456	H1, H2, H3	5	
	Secondary Volts	Connect lines to	Inter-connect	
	240	X1, X2, X3	-	
	120	X1, X6	-	
		X3, X6	-	

SCD 15

SCHEMATIC		CONNECTIONS		
	Primary Volts	Connect lines to	Inter-connect	
	504	H1, H2, H3	1-2	
	492	H1, H2, H3	2-3	
	480	H1, H2, H3	3-4	
	468	H1, H2, H3	4-5	
	456	H1, H2, H3	5-6	
		Secondary Volts	Connect lines to	Inter-connect
240		X1, X2, X3	-	
120		X1, X6	-	
		X3, X6	-	

SCD 16

SCHEMATIC		CONNECTIONS		
	Primary Volts	Connect lines to	Inter-connect	
	218 504 504 630	H1, H2, H3	1	
	208 480 480 600	H1, H2, H3	2	
	198 456 456 570	H1, H2, H3	3	
	Secondary Volts	Connect lines to	Inter-connect	
	240	X1, X2, X3	-	

GENERAL INFORMATION



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ELECTRICAL SCHEMATICS AND CONNECTION DIAGRAMS

SCD 17

SCHEMATIC	CONNECTIONS			
	Primary Volts		Connect lines to	Inter-connect
	504	630	H1, H2, H3	1
	492	615	H1, H2, H3	2
	480	600	H1, H2, H3	3
	468	585	H1, H2, H3	4
	456	570	H1, H2, H3	5
Secondary Volts		Connect lines to	Inter-connect	
240		X1, X2, X3		

SCD 18

SCHEMATIC	CONNECTIONS			
	Primary Volts		Connect lines to	Inter-connect
	218	437 504 630	H1, H6	-
	213	426 492 615	H1, H5	-
	208	416 480 600	H1, H4	-
	203	406 468 585	H1, H3	-
	198	395 456 570	H1, H2	-
Secondary Volts		Connect lines to	Inter-connect	
240		X1, X4	X2-X3	
120/240		X1, X2, X4	X2-X3	
120		X1, X4	X2-X4, X1-X3	

SCD 19

SCHEMATIC	CONNECTIONS				
	Primary Volts		Connect lines to	Inter-connect	
	504		H1, H4	1-H2, 2-H3, H2-H3	
	492		H1, H4	3-H2, 2-H3, H2-H3	
	480		H1, H4	3-H2, 4-H3, H2-H3	
	468		H1, H4	5-H2, 4-H3, H2-H3	
	456		H1, H4	5-H2, 6-H3, H2-H3	
	444		H1, H4	7-H2, 6-H3, H2-H3	
	432		H1, H4	7-H2, 8-H3, H2-H3	
	252		H1, H4	1-H2, 2-H3, H1-H3, H2-H4	
	240		H1, H4	3-H2, 4-H3, H1-H3, H2-H4	
	228		H1, H4	5-H2, 6-H3, H1-H3, H2-H4	
	216		H1, H4	7-H2, 8-H3, H1-H3, H2-H4	
	Secondary Volts		Connect lines to	Inter-connect	
	240		X1, X4	X2- X3	
120		X1, X2	X1-X3, X2-X4		
120/240		X1, X2, X4	X2-X3		

SCD 20

SCHEMATIC	CONNECTIONS			
	Primary Volts		Connect lines to	Inter-connect
	218	252 291 437 504 630	H1, H4	-
	208	240 277 416 480 600	H1, H3	-
	198	228 263 395 456 570	H1, H2	-
	188	216 249 374 432 540	H1, H2	-
	Secondary Volts		Connect lines to	Inter-connect
240		X1, X4	X2-X3	
120		X1, X2	X1-X3, X2-X4	
		X1, X2, X4	X2-X3	

GENERAL INFORMATION

GENERAL INFORMATION

ELECTRICAL SCHEMATICS AND CONNECTION DIAGRAMS

SCD 21

SCHEMATIC	CONNECTIONS		
	Primary Volts	Connect lines to	Inter-connect
	218 504 630	H1, H2, H3	1-H1, 1-H2, 1-H3
	213 492 615	H1, H2, H3	2-H1, 2-H2, 2-H3
	208 480 600	H1, H2, H3	3-H1, 3-H2, 3-H3
	203 468 585	H1, H2, H3	4-H1, 4-H2, 4-H3
	198 456 570	H1, H2, H3	5-H1, 5-H2, 5-H3
	193 444 556	H1, H2, H3	6-H1, 6-H2, 6-H3
	188 432 542	H1, H2, H3	7-H1, 7-H2, 7-H3
	Secondary Volts	Connect lines to	Inter-connect
	208	X1, X2, X3	-
	120	X1, X0	-
	X2, X0	-	
	X3, X0	-	

SCD 22

SCHEMATIC	CONNECTIONS		
	Primary Volts	Connect lines to	Inter-connect
	218 504	H1, H2, H3	1-2
	213 492	H1, H2, H3	2-3
	208 480	H1, H2, H3	3-4
	203 468	H1, H2, H3	4-5
	198 456	H1, H2, H3	5-6
	193 444	H1, H2, H3	6-7
	188 432	H1, H2, H3	7-8
	Secondary Volts	Connect lines to	Inter-connect
	208	X1, X2, X3	-
	120	X1, X0	-
	X2, X0	-	
	X3, X0	-	

SCD 23

SCHEMATIC	CONNECTIONS		
	Primary Volts	Connect lines to	Inter-connect
	504	H1, H2, H3	1-H1, 1-H2, 1-H3
	492	H1, H2, H3	2-H1, 2-H2, 2-H3
	480	H1, H2, H3	3-H1, 3-H2, 3-H3
	468	H1, H2, H3	4-H1, 4-H2, 4-H3
	456	H1, H2, H3	5-H1, 5-H2, 5-H3
	444	H1, H2, H3	6-H1, 6-H2, 6-H3
	432	H1, H2, H3	7-H1, 7-H2, 7-H3
	Secondary Volts	Connect lines to	Inter-connect
	240	X1, X2, X3	-
	120	X1, X6	-
	X3, X6	-	

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ELECTRICAL SCHEMATICS AND CONNECTION DIAGRAMS

SCD 24

SCHEMATIC	CONNECTIONS		
	Primary Volts	Connect lines to	Inter-connect
	504	H1, H2, H3	1-2
	492	H1, H2, H3	2-3
	480	H1, H2, H3	3-4
	468	H1, H2, H3	4-5
	456	H1, H2, H3	5-6
	444	H1, H2, H3	6-7
	432	H1, H2, H3	7-8
	Secondary Volts	Connect lines to	Inter-connect
	240	X1, X2, X3	-
	120	X1, X6 X3, X6	- -

SCD 25

SCHEMATIC	CONNECTIONS		
	Primary Volts	Connect lines to	Inter-connect
	208 230 240	X1, X2, X3	1-X1, 1-X2, 1-X3
	198 218 228	X1, X2, X3	2-X1, 2-X2, 2-X3
	188 207 216	X1, X2, X3	3-X1, 3-X2, 3-X3
	Secondary Volts	Connect lines to	
	230 260 460 480	H1, H2, H3	
	133 139 265 277	H1, H0 H2, H0 H3, H0	

SCD 26

SCHEMATIC	CONNECTIONS		
	Primary Volts	Connect lines to	Inter-connect
	208 240	X1, X2, X3	1-2
	198 228	X1, X2, X3	2-3
	188 216	X1, X2, X3	3-4
	Secondary Volts	Connect lines to	
	230 260 460 480	H1, H2, H3	
	133 139 265 277	H1, H0 H2, H0 H3, H0	

SCD 27

SCHEMATIC	CONNECTIONS		
	Primary Volts	Connect lines to	Inter-connect
	218	X1, X2, X3	1-X1, 1-X2, 1-X3
	213	X1, X2, X3	2-X1, 2-X2, 2-X3
	208	X1, X2, X3	3-X1, 3-X2, 3-X3
	203	X1, X2, X3	4-X1, 4-X2, 4-X3
	198	X1, X2, X3	5-X1, 5-X2, 5-X3
	193	X1, X2, X3	6-X1, 6-X2, 6-X3
	188	X1, X2, X3	7-X1, 7-X2, 7-X3
	Secondary Volts	Connect lines to	
	208 230 240 480	H1, H2, H3	
	120 133 133 277	H1, H0 H2, H0 H3, H0	

GENERAL INFORMATION



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ELECTRICAL SCHEMATICS AND CONNECTION DIAGRAMS

SCD 28

SCHEMATIC	CONNECTIONS		
	Primary Volts	Connect lines to	Inter-connect
	218	X1, X2, X3	1-2
	213	X1, X2, X3	2-3
	208	X1, X2, X3	3-4
	203	X1, X2, X3	4-5
	198	X1, X2, X3	5-6
	193	X1, X2, X3	6-7
	188	X1, X2, X3	7-8
	Secondary Volts	Connect lines to	
	208 240 480	H1, H2, H3	
	120 133 277	H1, H0 H2, H0 H3, H0	

SCD 29

SCHEMATIC	CONNECTIONS		
	Primary Volts	Connect lines to	Inter-connect
	504	H1, H2, H3	1-H1, 1-H2, 1-H3
	492	H1, H2, H3	2-H1, 2-H2, 2-H3
	480	H1, H2, H3	3-H1, 3-H2, 3-H3
	468	H1, H2, H3	4-H1, 4-H2, 4-H3
	456	H1, H2, H3	5-H1, 5-H2, 5-H3
	444	H1, H2, H3	6-H1, 6-H2, 6-H3
	432	H1, H2, H3	7-H1, 7-H2, 7-H3
	Secondary Volts	Connect lines to	Inter-connect
	240	X1, X2, X3	-

SCD 30

SCHEMATIC	CONNECTIONS		
	Primary Volts	Connect lines to	Inter-connect
	504	H1, H2, H3	1-2
	492	H1, H2, H3	2-3
	480	H1, H2, H3	3-4
	468	H1, H2, H3	4-5
	456	H1, H2, H3	5-6
	444	H1, H2, H3	6-7
	432	H1, H2, H3	7-8
	Secondary Volts	Connect lines to	Inter-connect
	240	X1, X2, X3	-

SCD 31

SCHEMATIC	CONNECTIONS		
	Connect to	Step Down	Step Up
	Lines from Supply	H1, H2, H3	X1, X2, X3
	Lines to Load Neutral	X1, X2, X3 X0	H1, H2, H3 H0

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ELECTRICAL SCHEMATICS AND CONNECTION DIAGRAMS

SCD 32

SCHEMATIC		CONNECTIONS		
	Primary Volts	Connect lines to	Inter-connect	
	208 240 416 480 600	H1, H2, H3	1	
	198 228 395 456 570	H1, H2, H3	2	
187 216 374 432 540	H1, H2, H3	3		
	Secondary Volts	Connect lines to		
208 230 240 380 416 460 480 600	X1, X2, X3			
120 133 139 220 240 265 277 347	X1, X0	X2, X0	X3, X0	

SCD 33

SCHEMATIC		CONNECTIONS		
	Primary Volts	Connect lines to	Inter-connect	
	208 240 416 480 600	H1, H2, H3	1-2	
	198 228 395 456 570	H1, H2, H3	2-3	
187 216 374 432 540	H1, H2, H3	3-4		
	Secondary Volts	Connect lines to		
208 380 416 480 600	X1, X2, X3			-
120 220 240 277 347	X1, X0	X2, X0	X3, X0	-

SCD 34

SCHEMATIC		CONNECTIONS		
	Primary Volts	Connect lines to	Inter-connect	
	218 252	H1, H2, H3	1	
	213 246	H1, H2, H3	2	
	208 240	H1, H2, H3	3	
	203 234	H1, H2, H3	4	
	198 228	H1, H2, H3	5	
	Secondary Volts	Connect lines to		
460 480 600	X1, X2, X3			-
265 277 347	X1, X0	X2, X0	X3, X0	-

SCD 35

SCHEMATIC		CONNECTIONS		
	Primary Volts	Connect lines to	Inter-connect	
	218 252	H1, H2, H3	1-2	
	213 246	H1, H2, H3	2-3	
	208 240	H1, H2, H3	3-4	
	203 234	H1, H2, H3	4-5	
	198 228	H1, H2, H3	5-6	
	Secondary Volts	Connect lines to		
460 480 600	X1, X2, X3			-
265 277 347	X1, X0	X2, X0	X3, X0	-



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ELECTRICAL SCHEMATICS AND CONNECTION DIAGRAMS

SCD 36

SCHEMATIC		CONNECTIONS		
		Primary Volts	Connect lines to	Inter-connect
		218 252	X1, X2, X3	1-X1, 1-X2, 1-X3
		208 240	X1, X2, X3	2-X1, 2-X2, 2-X3
		198 228	X1, X2, X3	3-X1, 3-X2, 3-X3
		Secondary Volts	Connect lines to	Inter-connect
		480	H1, H2, H3	-
		277	H1, H0	-
			H2, H0	-
		H3, H0	-	

SCD 37

SCHEMATIC		CONNECTIONS		
		Primary Volts	Connect lines to	Inter-connect
		218 252	X1, X2, X3	1-2
		208 240	X1, X2, X3	2-3
		198 228	X1, X2, X3	3-4
		Secondary Volts	Connect lines to	Inter-connect
		480	H1, H2, H3	-
		277	H1, H0	-
			H2, H0	-
		H3, H0	-	

SCD 38

SCHEMATIC		CONNECTIONS		
		Connect to	Step Down	Step Up
		Lines from Supply	H1, H2, H3	X1, X2, X3
		Lines to Load Neutral	X1, X2, X3 X0	H1, H2, H3 H0

SCD 39

SCHEMATIC		CONNECTIONS		
		Primary Volts	Connect lines to	Inter-connect
		120	H1, H2	---
		Secondary Volts	Connect lines to	Inter-connect
		120	X1, X2	---

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SCD 40

SCHEMATIC	CONNECTIONS		
	Primary Volts	Connect lines to	Inter-connect
	208	H1, H2	---
	Secondary Volts	Connect lines to	Inter-connect
	120	X1, X2	---

SCD 41

SCHEMATIC	CONNECTIONS		
	Primary Volts	Connect lines to	Inter-connect
	240	H1, H2	---
	Secondary Volts	Connect lines to	Inter-connect
	120	X1, X2	---

SCD 42

SCHEMATIC	CONNECTIONS		
	Primary Volts	Connect lines to	Inter-connect
	630	H1, H2, H3	1-2
	600	H1, H2, H3	2-3
	570	H1, H2, H3	3-4
	Secondary Volts	Connect lines to	Inter-connect
240	X1, X2, X3	---	

SCD 43

SCHEMATIC	CONNECTIONS		
	Primary Volts	Connect lines to	Inter-connect
	480	H1, H2	---
	Secondary Volts	Connect lines to	Inter-connect
	120	X1, X2	---

SCD 44

SCHEMATIC	CONNECTIONS		
	Primary Volts	Connect lines to	Inter-connect
	600	H1, H2	---
	Secondary Volts	Connect lines to	Inter-connect
	120	X1, X2	---

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SCD 45

SCHEMATIC		CONNECTIONS		
		Primary Volts	Connect lines to	Inter-connect
		440 416 400 380 220 208 200 120	H1, H10 H1, H9 H1, H8 H1, H7 H1, H10 H1, H9 H1, H8 H1, H7	H5-H6 H4-H6 H3-H6 H2-H6 H1-H6, H5-H10 H1-H6, H4-H9 H1-H6, H3-H8 H1-H6, H2-H7
		Secondary Volts	Connect lines to	Inter-connect
		240 120/240 120	X1, X4 X1, X2, X4 X1, X4	X2-X3 X2-X3 X2-X4, X1-X3

SCD 46

SCHEMATIC		CONNECTIONS		
		Primary Volts	Connect lines to	Inter-connect
		440 416 400 380 220 208 200 190	H1, H4 H1, H4 H1, H4 H1, H4 H1, H4 H1, H4 H1, H4 H1, H4	1-H2, 2-H3, H2-H3 3-H2, 4-H3, H2-H3 5-H2, 6-H3, H2-H3 7-H2, 8-H3, H2-H3 1-H2, 2-H3, H1-H3, H2-H4 3-H2, 4-H3, H1-H3, H2-H4 5-H2, 6-H3, H1-H3, H2-H4 7-H2, 8-H3, H1-H3, H2-H4
		Secondary Volts	Connect lines to	Inter-connect
		240 120 120/240	X1, X4 X1, X2 X1, X2, X4	X2- X3 X1-X3, X2-X4 X2-X3

SCD 47

SCHEMATIC		CONNECTIONS		
		Primary Volts	Connect lines to	Inter-connect
		630 504 615 492 600 480 585 468 570 456	H1, H2, H3 H1, H2, H3 H1, H2, H3 H1, H2, H3 H1, H2, H3	1-2 2-3 3-4 4-5 5-6
		Secondary Volts	Connect lines to	Inter-connect
		240	X1, X2, X3	

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ACCESSORIES - GENERAL PURPOSE TRANSFORMERS

SPRINKLER HOODS

(NEMA TYPE 2 ENCLOSURE)

Sprinkler hoods can easily be field installed to protect a transformer from water falling at an angle up to 75° from vertical. A NEMA Type 1 enclosure with a properly installed sprinkler hood will meet NEMA Type 2 requirements.

Use the selection table to the right to select the appropriate sprinkler hood kit. Each kit comes with either 2 or 4 hoods, depending on the case style, to fit on transformer enclosure.

For overall dimensions of the enclosures with a sprinkler hood installed, please refer to the enclosure dimensional drawings on pages 194 thru 197.

Factory installed NEMA Type 2 enclosures are also available. Please contact the nearest Hammond Sales Office for details.

Note: UH style enclosures do not require sprinkler hood kits.

ANTI-VIBRATION PADS AND ISOLATORS

All standard transformers are supplied with installed internal vibration absorbing pads to minimize noise during operation.

Optional external “anti-vibration pads” and “vibration isolators” (for higher noise dampening) are available, and can be used to reduce operating noise even further.

Both kits are resistant to industrial contaminants like oils, acids and alkalis.

WALL MOUNTING KITS

(Used with Sprinkler Hoods)

If wall mounting is desired for a transformer fitted with sprinkler hoods, optional wall mounting brackets can be ordered separately.

Use the selection table to the right to select the appropriate kit. One kit is required for each transformer.



SPRINKLER HOOD KIT AND WALL MOUNTING BRACKET KIT PART NO.'S

Sprinkler Hood Kit Part No.	Wall Mounting Part No.	Case Style
DHA1	WB2	A1
DHA2	WB2	A2
DHH1	WB2	H1
DHH2	WB2	H2
DHH3	N/A	H3
DHH4	N/A	H4
DHH5	WB2	H5
DHH6	WB2	H6
DHH7	N/A	H7
DHH8	N/A	H8
DHJ1	N/A	J1
DHJ2	N/A	J2
DHJ3	N/A	J3
DHJ4	N/A	J4
DHJ5	N/A	J5
DHJ6	N/A	J6
N/A	W1	UH1
N/A	W2	UH2&3
N/A	W1	UH5
N/A	W2	UH6

ANTI-VIBRATION PADS

Part No.	Case Style	Description
P1	A1 - A2	Rubber and steel washer assemblies which replace the standard steel washers
	H1 - H8	
	UH1 - UH8	
P2	J1 - J6	
	UJ1-UJ6	

VIBRATION ISOLATORS

Part No.	Transformer Weight (lb)	Description
NMP1	up to 380	Moulded neoprene and steel plate assemblies to virtually eliminate vibration noise from the transformer to the mounting surface.
NMP2	381 - 760	
NMP3	761 - 1040	
NMP4	1041 - 1880	
NMP5	1881 - 2880	
NMP6	2881 - 4880	



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