



15 to 1000 KVA

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**Products**

- *150°C Temperature Rise: 15 KVA through 1000 KVA\**
- *80°C and 115°C Temperature Rise: 15 KVA through 500 KVA\**

**Applications**

- *For general loads, indoors or out, including lighting, industrial and commercial applications*

**Specifications**

- *Cores of high quality electrical steel*
- *Meets Federally Mandated NEMA TP-1 Standard for energy efficiency*
- *NEMA 1-rated enclosures standard*
- *Electrostatic shields optional*
- *60 Hz operation*
- *Aluminum or copper windings*
- *Taps provided on primary*
- *220°C insulation class standard*
- *150°C, 115°C, and 80°C temperature rise*
- *Heat-cured ASA-61 gray powder coat finish*

**Features, Functions, Benefits**

- *Designed for lower weight and smaller size for easier handling and installation*
- *Large connection compartment for ease of wiring and installation*
- *Quiet operation for installation flexibility*
- *Hassle-free front cover installation*
- *Taps provided on primary to compensate for voltage variations*

**Standards**

- *Built in accordance with NEMA, ANSI, UL and CSA standards*

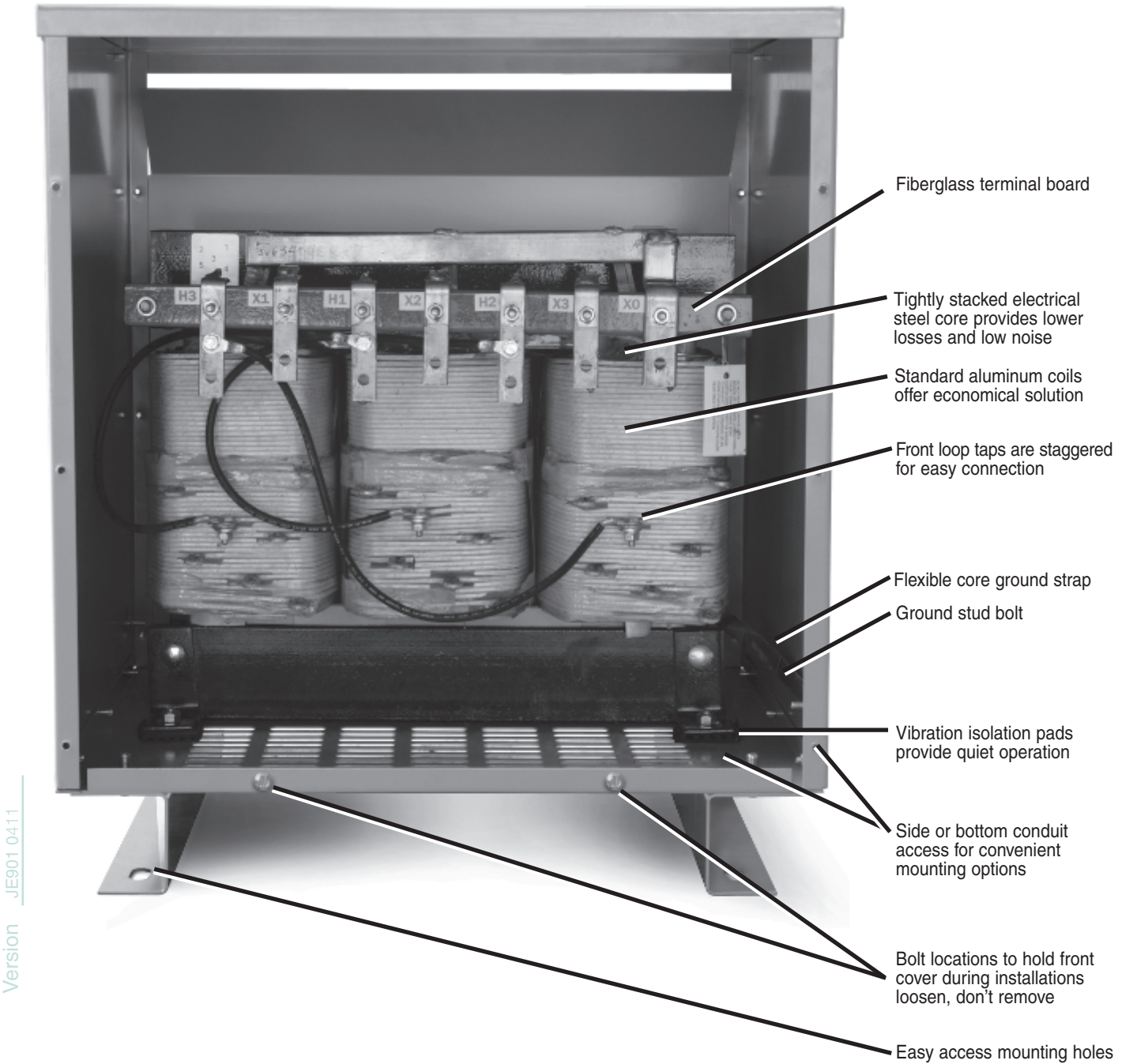
**\*Options and Accessories**

- *CE Marked units available as custom*
- *Other sizes and voltages available as custom*
- *NEMA 3R-rated enclosures available with weather shields*
- *Wall mount brackets available for units up to 75 KVA with 150°C temperature rise*

## Three-Phase Ventilated

### Standard Construction Features

This drawing is for illustration purposes only. Please consult website or factory for construction details.



Version JE901.0411

# 5

## Three-Phase Ventilated

**General Purpose**  
150°C Temperature Rise

Taps: 15 to 150 KVA 2@ 2.5% FCAN & 4@ 2.5% FCBN  
225 to 500 KVA 1@ 5% FCAN & 2@ 5% FCBN  
750 to 1000 KVA No Taps

KVA	Catalog Number*	Fig.	Height A (in.)	Width B (in.)	Depth C (in.)	Est. Ship Wgt. (lbs.)	Wiring Diagram	Weather Shield Kit	Wall Bracket Kit
<b>208 V - 208Y/120 V – Aluminum windings*</b>									
15	423-7168-000	7	22.0	19.0	16.0	210	T208B	423-0007-019	223-7008-030
30	423-7198-000	7	25.0	22.0	17.0	310		423-0007-022	223-7008-075
45	423-7218-000	7	28.0	25.0	18.5	400		423-0007-025	
75	423-7238-000	7	32.0	27.0	21.0	585		423-0007-027	
112.5	423-7258-000	7	38.0	29.0	23.0	775		423-0007-029	N/A
150	423-7268-000	7	42.0	33.0	26.0	1000	423-0007-033		
225	423-7298-000	7	46.0	35.0	30.0	1315	423-0007-035		
300	423-7318-000	7	52.0	35.0	30.0	1660	423-0007-035		
500	423-7348-000	7	60.0	48.0	33.0	2460	423-0007-048		
750	423-7368-000	22	72.0	52.0	40.0	3785	T208I	Included	N/A
1000	423-7398-000	22	81.0	66.0	44.0	5050	T208I	Included	

<b>208 V - 480Y/277 V – Aluminum windings*</b>									
15	423-7161-000	7	22.0	19.0	16.0	210	T208D	423-0007-019	223-7008-030
30	423-7191-000	7	25.0	22.0	17.0	310		423-0007-022	223-7008-075
45	423-7211-000	7	28.0	25.0	18.5	400		423-0007-025	
75	423-7231-000	7	32.0	27.0	21.0	585		423-0007-027	
112.5	423-7251-000	7	38.0	29.0	23.0	775		423-0007-029	N/A
150	423-7261-000	7	42.0	33.0	26.0	1000	423-0007-033		
225	423-7291-000	7	46.0	35.0	30.0	1315	423-0007-035		
300	423-7311-000	7	52.0	35.0	30.0	1660	423-0007-035		
500	423-7341-000	7	60.0	48.0	33.0	2460	423-0007-048		
750	423-7361-000	22	72.0	52.0	40.0	3785	T208J	Included	N/A
1000	423-7391-000	22	81.0	66.0	44.0	5050	T208J	Included	

<b>240 V - 208Y/120 V – Aluminum windings*</b>									
15	423-7162-000	7	22.0	19.0	16.0	210	T240B	423-0007-019	223-7008-030
30	423-7192-000	7	25.0	22.0	17.0	310		423-0007-022	223-7008-075
45	423-7212-000	7	28.0	25.0	18.5	400		423-0007-025	
75	423-7232-000	7	32.0	27.0	21.0	585		423-0007-027	
112.5	423-7252-000	7	38.0	29.0	23.0	775		423-0007-029	N/A
150	423-7262-000	7	42.0	33.0	26.0	1000	423-0007-033		
225	423-7292-000	7	46.0	35.0	30.0	1315	423-0007-035		
300	423-7312-000	7	52.0	35.0	30.0	1660	423-0007-035		
500	423-7342-000	7	60.0	48.0	33.0	2460	423-0007-048		
750	423-7362-000	22	72.0	52.0	40.0	3785	T240I	Included	N/A
1000	423-7392-000	22	81.0	66.0	44.0	5050	T240I	Included	

<b>240 V - 480Y/277 V – Aluminum windings*</b>									
15	423-7163-000	7	22.0	19.0	16.0	210	T240D	423-0007-019	223-7008-030
30	423-7193-000	7	25.0	22.0	17.0	310		423-0007-022	223-7008-075
45	423-7213-000	7	28.0	25.0	18.5	400		423-0007-025	
75	423-7233-000	7	32.0	27.0	21.0	585		423-0007-027	
112.5	423-7253-000	7	38.0	29.0	23.0	775		423-0007-029	N/A
150	423-7263-000	7	42.0	33.0	26.0	1000	423-0007-033		
225	423-7293-000	7	46.0	35.0	30.0	1315	423-0007-035		
300	423-7313-000	7	52.0	35.0	30.0	1660	423-0007-035		
500	423-7343-000	7	60.0	48.0	33.0	2460	423-0007-048		
750	423-7363-000	22	72.0	52.0	40.0	3785	T240H	Included	N/A
1000	423-7393-000	22	81.0	66.0	44.0	5050	T240H	Included	

\* For units with an electrostatic shield, copper windings, and/or low temp rise requirements see suffix chart on page 5.6



**Note:** Housing dimensions subject to change without notice. Consult website or factory where dimensions are critical.

## Three-Phase Ventilated

### General Purpose 150°C Temperature Rise

Taps: 15 to 500 KVA 2 @ 2.5% FCAN & 4 @ 2.5% FCBN  
750 to 1000 KVA 2 @ 2.5% FCAN & 2 @ 2.5% FCBN

KVA	Catalog Number*	Fig.	Height A (in.)	Width B (in.)	Depth C (in.)	Est. Ship Wgt. (lbs.)	Wiring Diagram	Weather Shield Kit	Wall Bracket Kit
<b>480 V - 208Y/120 V – Aluminum windings*</b>									
15	423-7164-000	7	22.0	19.0	16.0	210	T480E	423-0007-019	223-7008-030
30	423-7194-000	7	25.0	22.0	17.0	310		423-0007-022	223-7008-075
45	423-7214-000	7	28.0	25.0	18.5	400		423-0007-025	
75	423-7234-000	7	32.0	27.0	21.0	585		423-0007-027	
112.5	423-7254-000	7	38.0	29.0	23.0	775		423-0007-029	N/A
150	423-7264-000	7	42.0	33.0	26.0	1000		423-0007-033	
225	423-7294-000	7	46.0	35.0	30.0	1315		423-0007-035	
300	423-7314-000	7	52.0	35.0	30.0	1660		423-0007-035	
500	423-7344-000	7	60.0	48.0	33.0	2460		423-0007-048	
750	423-7364-000	22	72.0	52.0	40.0	3785		Included	
1000	423-7394-000	22	81.0	66.0	44.0	5050	Included		

<b>480 V - 240 V – Aluminum windings * ++</b>									
15	423-7167-000	7	22.0	19.0	16.0	210	T480G	423-0007-019	223-7008-030
30	423-7197-000	7	25.0	22.0	17.0	310		423-0007-022	223-7008-075
45	423-7217-000	7	28.0	25.0	18.5	400		423-0007-025	
75	423-7237-000	7	32.0	27.0	21.0	585		423-0007-027	
112.5	423-7257-000	7	38.0	29.0	23.0	775		423-0007-029	N/A
150	423-7267-000	7	42.0	33.0	26.0	1000		423-0007-033	
225	423-7297-000	7	46.0	35.0	30.0	1315		423-0007-035	
300	423-7317-000	7	52.0	35.0	30.0	1660		423-0007-035	
500	423-7347-000	7	60.0	48.0	33.0	2460		423-0007-048	
750	423-7367-000	22	72.0	52.0	40.0	3785		Included	
1000	423-7397-000	22	81.0	66.0	44.0	5050	Included		

<b>480 V - 480Y/277 V – Aluminum windings*</b>									
15	423-7165-000	7	22.0	19.0	16.0	210	T480J	423-0007-019	223-7008-030
30	423-7195-000	7	25.0	22.0	17.0	310		423-0007-022	223-7008-075
45	423-7215-000	7	28.0	25.0	18.5	400		423-0007-025	
75	423-7235-000	7	32.0	27.0	21.0	585		423-0007-027	
112.5	423-7255-000	7	38.0	29.0	23.0	775		423-0007-029	N/A
150	423-7265-000	7	42.0	33.0	26.0	1000		423-0007-033	
225	423-7295-000	7	46.0	35.0	30.0	1315		423-0007-035	
300	423-7315-000	7	52.0	35.0	30.0	1660		423-0007-035	
500	423-7345-000	7	60.0	48.0	33.0	2460		423-0007-048	
750	423-7365-000	22	72.0	52.0	40.0	3785		Included	
1000	423-7395-000	22	81.0	66.0	44.0	5050	Included		

<b>600 V - 208Y/120 V – Aluminum windings*</b>									
15	423-7169-000	7	22.0	19.0	16.0	210	T600B	423-0007-019	223-7008-030
30	423-7199-000	7	25.0	22.0	17.0	310		423-0007-022	223-7008-075
45	423-7219-000	7	28.0	25.0	18.5	400		423-0007-025	
75	423-7239-000	7	32.0	27.0	21.0	585		423-0007-027	
112.5	423-7259-000	7	38.0	29.0	23.0	775		423-0007-029	N/A
150	423-7269-000	7	42.0	33.0	26.0	1000		423-0007-033	
225	423-7299-000	7	46.0	35.0	30.0	1315		423-0007-035	
300	423-7319-000	7	52.0	35.0	30.0	1660		423-0007-035	
500	423-7349-000	7	60.0	48.0	33.0	2460		423-0007-048	
750	423-7369-000	22	72.0	52.0	40.0	3785		Included	
1000	423-7399-000	22	81.0	66.0	44.0	5050	Included		

\* For units with an electrostatic shield, copper windings, and/or low temp rise requirements see suffix chart on page 5.6

++ 120V center tap on center coil on 15 KVA through 1000 KVA units.

**Caution:** When using the 120 V center tap for single-phase applications, the single-phase load should not exceed 5% of the three-phase KVA rating. Connect the X3 "high leg" to the "B" phase per NEC 384-3 (do not use X3 leg for 120 V lighting). A separate single-phase transformer should be used if the single-phase load is in excess of 5%. Fuse input side per current NEC requirements.

**Note:** Housing dimensions subject to change without notice. Consult website or factory where dimensions are critical.





### General Purpose 150°C Temperature Rise

Taps: 15 to 500 KVA 2@ 2.5% FCAN & 4@ 2.5% FCBN  
750 to 1000 KVA 2@ 2.5% FCAN & 2@ 2.5% FCBN

KVA	Catalog Number*	Fig.	Height A (in.)	Width B (in.)	Depth C (in.)	Est. Ship Wgt. (lbs.)	Wiring Diagram	Weather Shield Kit	Wall Bracket Kit
<b>600 V - 240 V – Aluminum windings* ++</b>									
15	423-716A-000	7	22.0	19.0	16.0	210	T600D	423-0007-019	223-7008-030
30	423-719A-000	7	25.0	22.0	17.0	310		423-0007-022	223-7008-075
45	423-721A-000	7	28.0	25.0	18.5	400		423-0007-025	
75	423-723A-000	7	32.0	27.0	21.0	585		423-0007-027	
112.5	423-725A-000	7	38.0	29.0	23.0	775		423-0007-029	N/A
150	423-726A-000	7	42.0	33.0	26.0	1000		423-0007-033	
225	423-729A-000	7	46.0	35.0	30.0	1315		423-0007-035	
300	423-731A-000	7	52.0	35.0	30.0	1660		423-0007-035	
500	423-734A-000	7	60.0	48.0	33.0	2460		423-0007-048	
750	423-736A-000	22	72.0	52.0	40.0	3785		Included	
1000	423-739A-000	22	71.0	66.0	44.0	5050	Included		
							T600F	Included	

\* For units with an electrostatic shield, copper windings, and/or low temp rise requirements see suffix chart on page 5.6



### Suffix Chart

The catalog number on the standard product has a suffix of -000

To order alternate version transformers choose the suffix to match the desired features.

Suffix	Wire	Temperature Rise	Electrostatic Shield
000	Aluminum	150	no shield
005	Aluminum	150	shield
010	Aluminum	115	no shield
015	Aluminum	115	shield
080	Aluminum	80	no shield
085	Aluminum	80	shield
800	Copper	150	no shield
805	Copper	150	shield
810	Copper	115	no shield
815	Copper	115	shield
880	Copper	80	no shield
885	Copper	80	shield

**Note:** The weight, dimensions, weather shield and mounting brackets may be different than the standard (-000) version.

Check our website [www.jeffersonelectric.com](http://www.jeffersonelectric.com) for details

++ 120V center tap on center coil on 15 KVA through 1000 KVA units.

**Caution:** When using the 120 V center tap for single-phase applications, the single-phase load should not exceed 5% of the three-phase KVA rating. Connect the X3 "high leg" to the "B" phase per NEC 384-3 (do not use X3 leg for 120 V lighting). A separate single-phase transformer should be used if the single-phase load is in excess of 5%. Fuse input side per current NEC requirements.

**Note:** Housing dimensions subject to change without notice. Consult website or factory where dimensions are critical.

## Three-Phase Ventilated

Figure 7

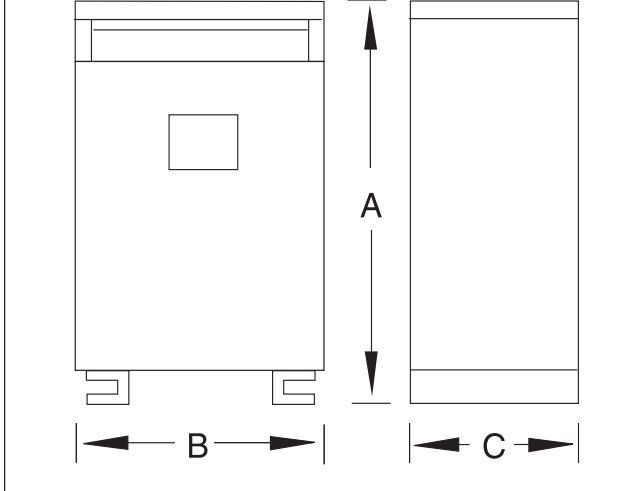


Figure 8

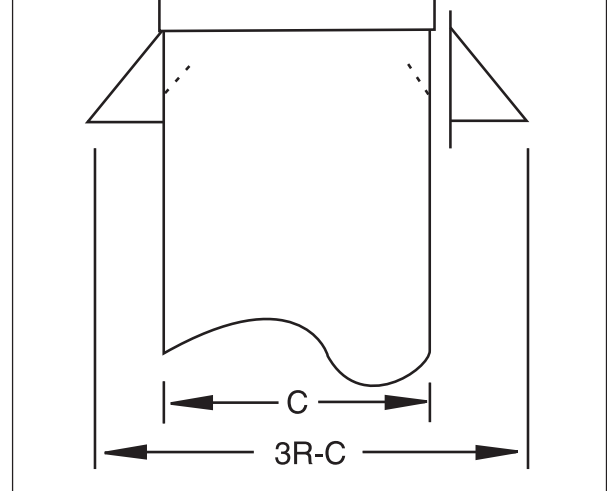
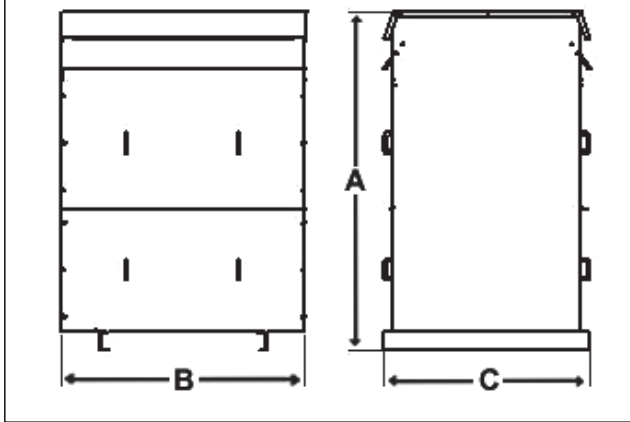


Figure 22



### Weather Shield Kit to Make Enclosures NEMA 3R Rated

kVA*	Catalog Number	Width (B)	Depth w/o weather shield (C)	Depth with weather shield (3R-C)	Shipping weight (lbs.)
15	423-0007-019	19.0	16.0	23.0	3.2
30	423-0007-022	22.0	17.0	24.0	3.6
45	423-0007-025	25.0	18.5	25.5	4.1
75	423-0007-027	27.0	21.0	28.0	4.4
112.5	423-0007-029	29.0	23.0	31.0	5.3
150	423-0007-033	33.0	26.0	34.0	6.3
225	423-0007-035	35.0	30.0	38.0	6.7
300	423-0007-035	35.0	30.0	38.0	6.7
500	423-0007-048	48.0	33.0	43.5	12.2

\*kVA for 150 degree rise units, low temp or K-factor units may use next larger weathershield

### Mounting Brackets

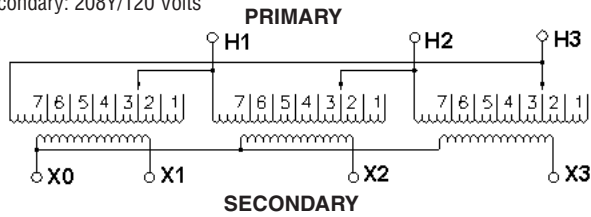
Catalog Number	Description	Shipping weight (lbs.)
223-7008-030	For 15 KVA unit at 150 degree C rise	18
223-7008-075	For 16 to 75 KVA unit at 150 degree C rise	20

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### T208B Wiring Diagram & Connections\*

#### Wiring Diagram

Primary: 208 Volts Delta  
Secondary: 208Y/120 Volts



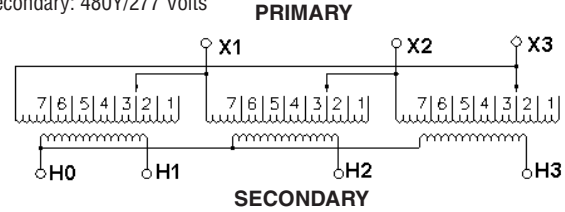
#### Connections

Primary Volts	On Each Coil Jumper Taps To	Primary Lines Connect To
218	1	H1, H2, H3
213	2	H1, H2, H3
208	3	H1, H2, H3
203	4	H1, H2, H3
198	5	H1, H2, H3
192	6	H1, H2, H3
187	7	H1, H2, H3
Sec. Volts	Secondary Lines Connect To	
208	X1, X2, X3	
120	Between X0 and X1 or X2 or X3	
1 Phase		

### T208D Wiring Diagram & Connections\*

#### Wiring Diagram

Primary: 208 Volts Delta  
Secondary: 480Y/277 Volts



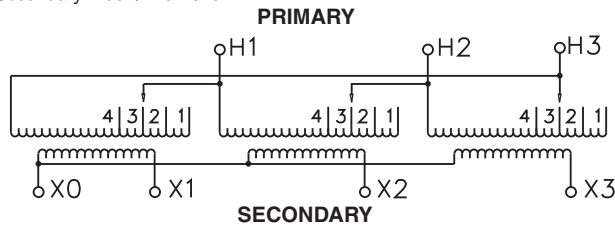
#### Connections

Primary Volts	On Each Coil Jumper Taps To	Primary Lines Connect To
218	1	X1, X2, X3
213	2	X1, X2, X3
208	3	X1, X2, X3
203	4	X1, X2, X3
198	5	X1, X2, X3
192	6	X1, X2, X3
187	7	X1, X2, X3
Sec. Volts	Secondary Lines Connect To	
480	H1, H2, H3	
277	Between H0 and H1 or H2 or H3	
1 Phase		

### T208F Wiring Diagram & Connections\*

#### Wiring Diagram

Primary: 208 Volts Delta  
Secondary: 208Y/120 Volts



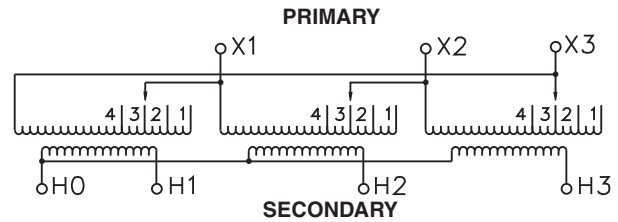
#### Connections

Primary Volts	On Each Coil Jumper Taps To	Primary Lines Connect To
218	1	H1, H2, H3
208	2	H1, H2, H3
198	3	H1, H2, H3
187	4	H1, H2, H3
Sec. Volts	Secondary Lines Connect To	
208	X1, X2, X3	
120	Between X0 and X1 or X2 or X3	
1 Phase		

### T208G Wiring Diagram & Connections\*

#### Wiring Diagram

Primary: 208 Volts Delta  
Secondary: 480Y/277 Volts



#### Connections

Primary Volts	On Each Coil Jumper Taps To	Primary Lines Connect To
218	1	X1, X2, X3
208	2	X1, X2, X3
198	3	X1, X2, X3
187	4	X1, X2, X3
Sec. Volts	Secondary Lines Connect To	
480	H1, H2, H3	
277	Between H0 and H1 or H2 or H3	
1 Phase		

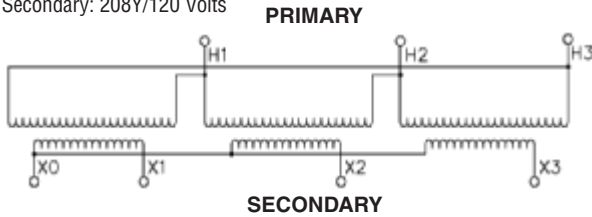


## Three-Phase Ventilated

### T208I Wiring Diagram & Connections\*

#### Wiring Diagram

Primary: 208 Volts Delta  
Secondary: 208Y/120 Volts



SECONDARY

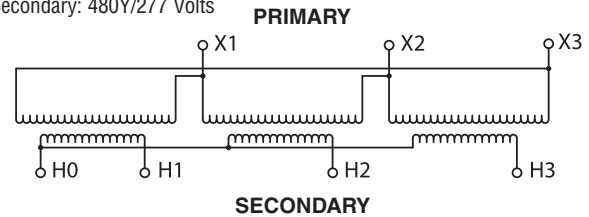
#### Connections

Primary Volts	On Each Coil Jumper Taps To	Primary Lines Connect To
208	1	H1, H2, H3
Sec. Volts	Secondary Lines Connect To	
208	X1, X2, X3	
120	Between X0 and X1 or X2 or X3	
1 Phase		

### T208J Wiring Diagram & Connections\*

#### Wiring Diagram

Primary: 208 Volts Delta  
Secondary: 480Y/277 Volts



SECONDARY

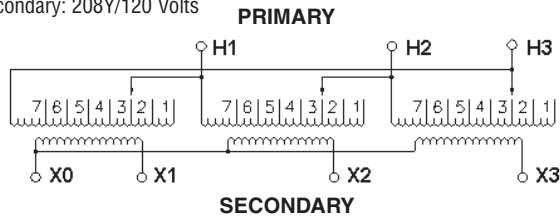
#### Connections

Primary Volts	On Each Coil Jumper Taps To	Primary Lines Connect To
208	1	X1, X2, X3
Sec. Volts	Secondary Lines Connect To	
480	H1, H2, H3	
277	Between H0 and H1 or H2 or H3	
1 Phase		

### T240B Wiring Diagram & Connections\*

#### Wiring Diagram

Primary: 240 Volts Delta  
Secondary: 208Y/120 Volts



SECONDARY

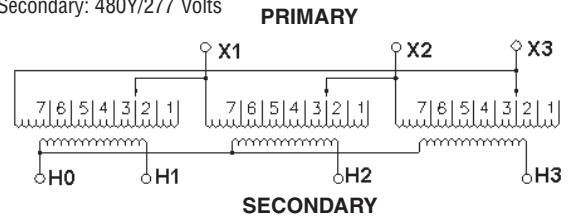
#### Connections

Primary Volts	On Each Coil Jumper Taps To	Primary Lines Connect To
252	1	H1, H2, H3
246	2	H1, H2, H3
240	3	H1, H2, H3
234	4	H1, H2, H3
228	5	H1, H2, H3
222	6	H1, H2, H3
216	7	H1, H2, H3
Sec. Volts	Secondary Lines Connect To	
208	X1, X2, X3	
120	Between X0 and X1 or X2 or X3	
1 Phase		

### T240D Wiring Diagram & Connections\*

#### Wiring Diagram

Primary: 240 Volts Delta  
Secondary: 480Y/277 Volts



SECONDARY

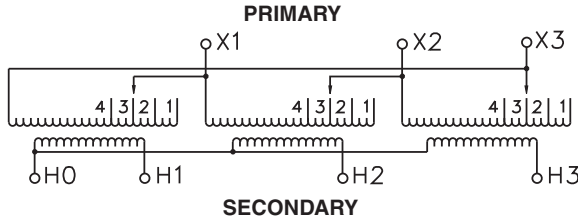
#### Connections

Primary Volts	On Each Coil Jumper Taps To	Primary Lines Connect To
252	1	X1, X2, X3
246	2	X1, X2, X3
240	3	X1, X2, X3
234	4	X1, X2, X3
228	5	X1, X2, X3
222	6	X1, X2, X3
216	7	X1, X2, X3
Sec. Volts	Secondary Lines Connect To	
480	H1, H2, H3	
277	Between H0 and H1 or H2 or H3	
1 Phase		

### T240E Wiring Diagram & Connections\*

#### Wiring Diagram

Primary: 240 Volts Delta  
Secondary: 480Y/277 Volts



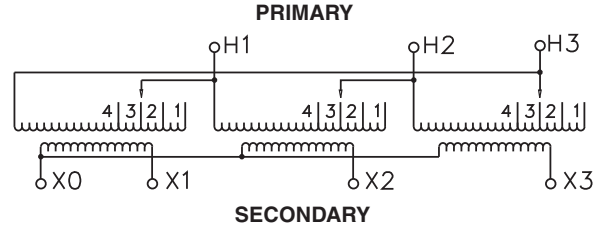
#### Connections

Primary Volts	On Each Coil Jumper Taps To	Primary Lines Connect To
252	1	X1, X2, X3
240	2	X1, X2, X3
228	3	X1, X2, X3
216	4	X1, X2, X3
Sec. Volts	Secondary Lines Connect To	
480	H1, H2, H3	
277	Between H0 and H1 or H2, or H3	
1 Phase		

### T240F Wiring Diagram & Connections\*

#### Wiring Diagram

Primary: 240 Volts Delta  
Secondary: 208Y/120 Volts



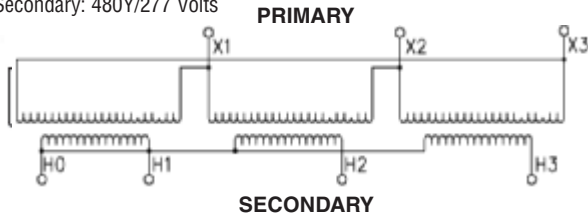
#### Connections

Primary Volts	On Each Coil Jumper Taps To	Primary Lines Connect To
252	1	H1, H2, H3
240	2	H1, H2, H3
228	3	H1, H2, H3
216	4	H1, H2, H3
Sec. Volts	Secondary Lines Connect To	
208	X1, X2, X3	
120	Between X0 and X1 or X2, or X3	
1 Phase		

### T240H Wiring Diagram & Connections\*

#### Wiring Diagram

Primary: 240 Volts Delta  
Secondary: 480Y/277 Volts



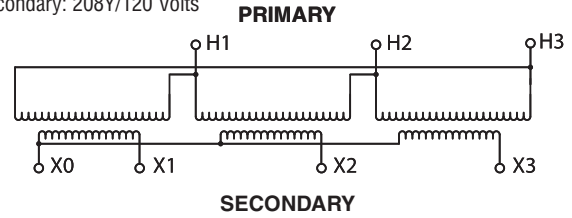
#### Connections

Primary Volts	On Each Coil Jumper Taps To	Primary Lines Connect To
240	1	X1, X2, X3
Sec. Volts	Secondary Lines Connect To	
480	H1, H2, H3	
277	Between H0 and H1 or H2 or H3	
1 Phase		

### T240I Wiring Diagram & Connections\*

#### Wiring Diagram

Primary: 240 Volts Delta  
Secondary: 208Y/120 Volts



#### Connections

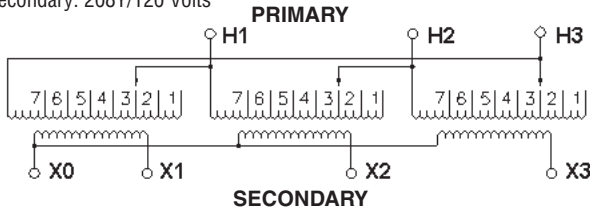
Primary Volts	On Each Coil Jumper Taps To	Primary Lines Connect To
240	1	H1, H2, H3
Sec. Volts	Secondary Lines Connect To	
208	X1, X2, X3	
120	Between X0 and X1 or X2 or X3	
1 Phase		

## Three-Phase Ventilated

### T480E Wiring Diagram & Connections\*

#### Wiring Diagram

Primary: 480 Volts Delta  
Secondary: 208Y/120 Volts



SECONDARY

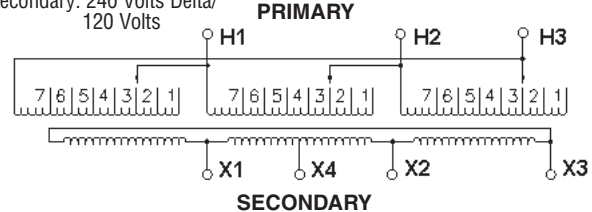
#### Connections

Primary Volts	On Each Coil Jumper Taps To	Primary Lines Connect To
504	1	H1, H2, H3
492	2	H1, H2, H3
480	3	H1, H2, H3
468	4	H1, H2, H3
456	5	H1, H2, H3
444	6	H1, H2, H3
432	7	H1, H2, H3
Sec. Volts	Secondary Lines Connect To	
208	X1, X2, X3	
120	Between X0 and X1 or X2 or X3	
1 Phase		

### T480G Wiring Diagram & Connections\*

#### Wiring Diagram

Primary: 480 Volts Delta  
Secondary: 240 Volts Delta/  
120 Volts



SECONDARY

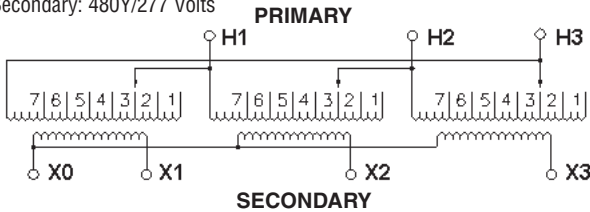
#### Connections

Primary Volts	On Each Coil Jumper Taps To	Primary Lines Connect To
504	1	H1, H2, H3
492	2	H1, H2, H3
480	3	H1, H2, H3
468	4	H1, H2, H3
456	5	H1, H2, H3
444	6	H1, H2, H3
432	7	H1, H2, H3
Sec. Volts	Secondary Lines Connect To	
240	X1, X2, X3	
120	X1 and X4 or X2 and X4	
1 Phase		

### T480J Wiring Diagram & Connections\*

#### Wiring Diagram

Primary: 480 Volts Delta  
Secondary: 480Y/277 Volts



SECONDARY

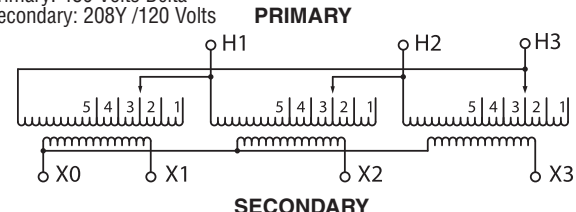
#### Connections

Primary Volts	On Each Coil Jumper Taps To	Primary Lines Connect To
504	1	H1, H2, H3
492	2	H1, H2, H3
480	3	H1, H2, H3
468	4	H1, H2, H3
456	5	H1, H2, H3
444	6	H1, H2, H3
432	7	H1, H2, H3
Sec. Volts	Secondary Lines Connect To	
480	X1, X2, X3	
277	Between X0 and X1 or X2 or X3	
1 Phase		

### T480M Wiring Diagram & Connections\*

#### Wiring Diagram

Primary: 480 Volts Delta  
Secondary: 208Y /120 Volts



SECONDARY

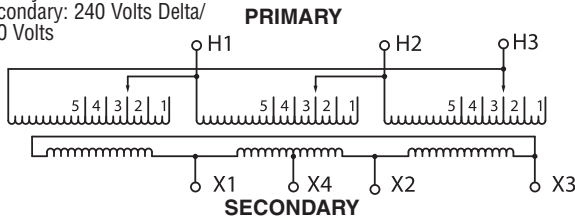
#### Connections

Primary Volts	On Each Coil Jumper Taps To	Primary Lines Connect To
504	1	H1, H2, H3
492	2	H1, H2, H3
480	3	H1, H2, H3
468	4	H1, H2, H3
456	5	H1, H2, H3
Sec. Volts	Secondary Lines Connect To	
208	X1, X2, X3	
120	X1 and X4 or X2 and X4	
1 Phase		

### T480N Wiring Diagram & Connections\*

#### Wiring Diagram

Primary: 480 Volts Delta  
Secondary: 240 Volts Delta/  
120 Volts



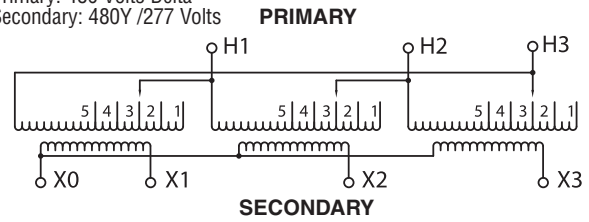
#### Connections

Primary Volts	On Each Coil Jumper Taps To	Primary Lines Connect To
504	1	H1, H2, H3
492	2	H1, H2, H3
480	3	H1, H2, H3
468	4	H1, H2, H3
456	5	H1, H2, H3
Sec. Volts	Secondary Lines Connect To	
240	X1, X2, X3	
120	X1 and X4 or X2 and X4	
1 Phase		

### T480P Wiring Diagram & Connections\*

#### Wiring Diagram

Primary: 480 Volts Delta  
Secondary: 480Y/277 Volts



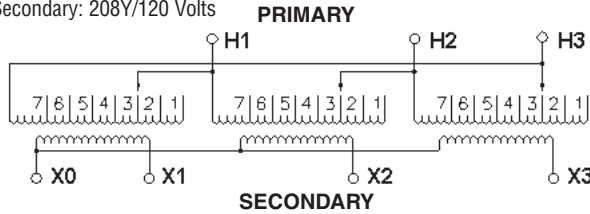
#### Connections

Primary Volts	On Each Coil Jumper Taps To	Primary Lines Connect To
504	1	H1, H2, H3
492	2	H1, H2, H3
480	3	H1, H2, H3
468	4	H1, H2, H3
456	5	H1, H2, H3
Sec. Volts	Secondary Lines Connect To	
480	X1, X2, X3	
277	Between X0 and X1 or X2 or X3	
1 Phase		

### T600B Wiring Diagram & Connections\*

#### Wiring Diagram

Primary: 600 Volts  
Secondary: 208Y/120 Volts



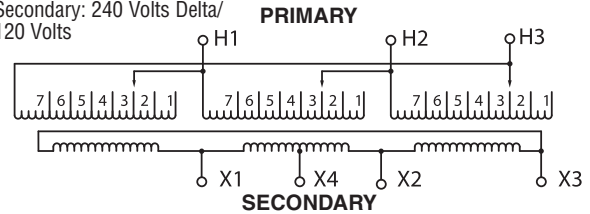
#### Connections

Primary Volts	On Each Coil Jumper Taps To	Primary Lines Between Lines
630	1	H1, H2, H3
615	2	H1, H2, H3
600	3	H1, H2, H3
585	4	H1, H2, H3
570	5	H1, H2, H3
555	6	H1, H2, H3
540	7	H1, H2, H3
Sec. Volts	Secondary Lines Connect To	
208	X1, X2, X3	
120	Between X0 and X1 or X2 or X3	
1 Phase		

### T600D Wiring Diagram & Connections\*

#### Wiring Diagram

Primary: 600 Volts  
Secondary: 240 Volts Delta/  
120 Volts



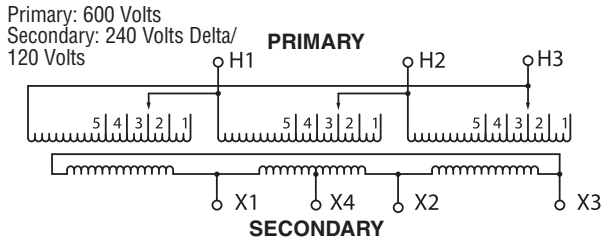
#### Connections

Primary Volts	On Each Coil Jumper Taps To	Primary Lines Between Lines
630	1	H1, H2, H3
615	2	H1, H2, H3
600	3	H1, H2, H3
585	4	H1, H2, H3
570	5	H1, H2, H3
555	6	H1, H2, H3
540	7	H1, H2, H3
Sec. Volts	Secondary Lines Connect To	
240	X1, X2, X3	
120	X1 and X4 or X2 and X4	
1 Phase		

## Three-Phase Ventilated

### T600F Wiring Diagram & Connections\*

#### Wiring Diagram

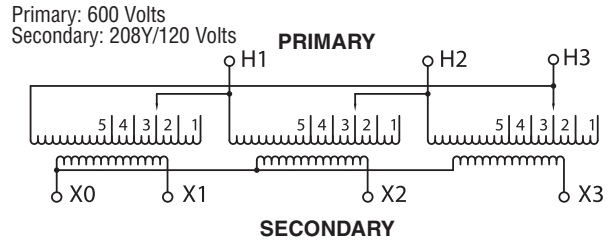


#### Connections

Primary Volts	On Each Coil Jumper Taps To	Primary Lines Between Lines
630	1	H1, H2, H3
615	2	H1, H2, H3
600	3	H1, H2, H3
585	4	H1, H2, H3
570	5	H1, H2, H3
Sec. Volts	Secondary Lines Connect To	
240	X1, X2, X3	
120	X1 and X4 or X2 and X4	
1 Phase		

### T600G Wiring Diagram & Connections\*

#### Wiring Diagram



#### Connections

Primary Volts	On Each Coil Jumper Taps To	Primary Lines Between Lines
630	1	H1, H2, H3
615	2	H1, H2, H3
600	3	H1, H2, H3
585	4	H1, H2, H3
570	5	H1, H2, H3
Sec. Volts	Secondary Lines Connect To	
208	X1, X2, X3	
120	Between X0 and X1 or X2 or X3	
1 Phase		

# 5

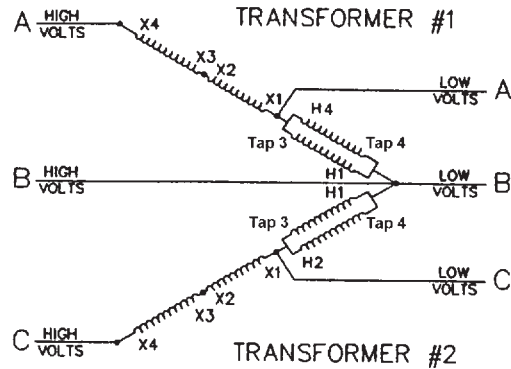
## Three-Phase Ventilated

### Economical Auto Connections (Open Delta) for 421 Series

#### Three-Phase Using Two Single-Phase (Stock) Transformers

For proper overcurrent protection, refer to Article 450-4 of NEC

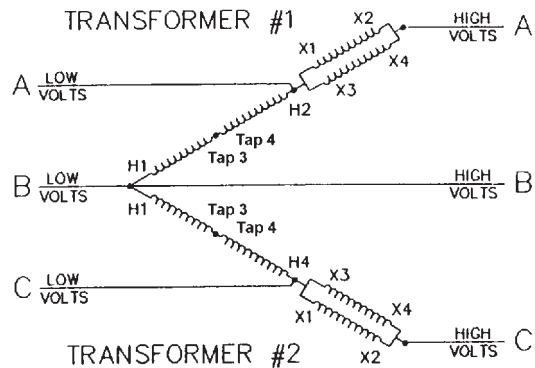
KVA*	High Volt Amps	Low Volt Amps	Qty.	Catalog Number	Catalog Number is for 1 transformer; 2 transformers are required
<b>480 V <math>\Delta</math> High V – 240 V <math>\Delta</math> Low Volts (Open Delta)–3<math>\Phi</math>, 60 Hz</b>					
86.6	104.15	208.33	2	421-7185-000	
129.9	156.23	312.50	2	421-7205-000	
173.2	208.33	416.66	2	421-7225-000	
259.8	312.50	625.00	2	421-7235-000	



#### Three-Phase Using Two Single-Phase (Stock) Transformers

For proper overcurrent protection, refer to Article 450-4 of NEC

High Volt 600 Low Volt 480 KVA*	High Volt 480 Low Volt 380 KVA*	High Volt Amps	Low Volt Amps	Qty.	Catalog Number	Catalog Number is for 1 transformer; 2 transformers are required
<b>600 V <math>\Delta</math> High Volts – 480 V <math>\Delta</math> Low Volts (Open Delta)–3<math>\Phi</math>, 60 Hz</b>						
<b>480 V <math>\Delta</math> High Volts – 380 V <math>\Delta</math> Low Volts (Open Delta)–3<math>\Phi</math>, 50/60 Hz</b>						
216.5	173.2	208.3	260.4	2	421-7185-000	
324.7	259.8	312.8	390.6	2	421-7205-000	
433.0	346.4	416.7	520.8	2	421-7225-000	
649.5	519.6	625.0	781.0	2	421-7235-000	
866.0	692.8	834.0	1041.0	2	421-7245-000	



\*KVA capacity of three-phase autotransformer bank, using two single-phase, 60 Hz transformers connected in open delta.

Note: Can be reverse connected with no change in KVA. Fuse input side per current NEC requirements.

Refer to tables in single phase sections for dimensions and weights.