5

15 to 1000 KVA

Contents

Version JE901 0411

Three-Phase Ventilated

Products

- *150ºC Temperature Rise: 15 KVA through 1000 KVA**
- *80ºC and 115ºC 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*
- *220ºC insulation class standard*
- *150ºC, 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

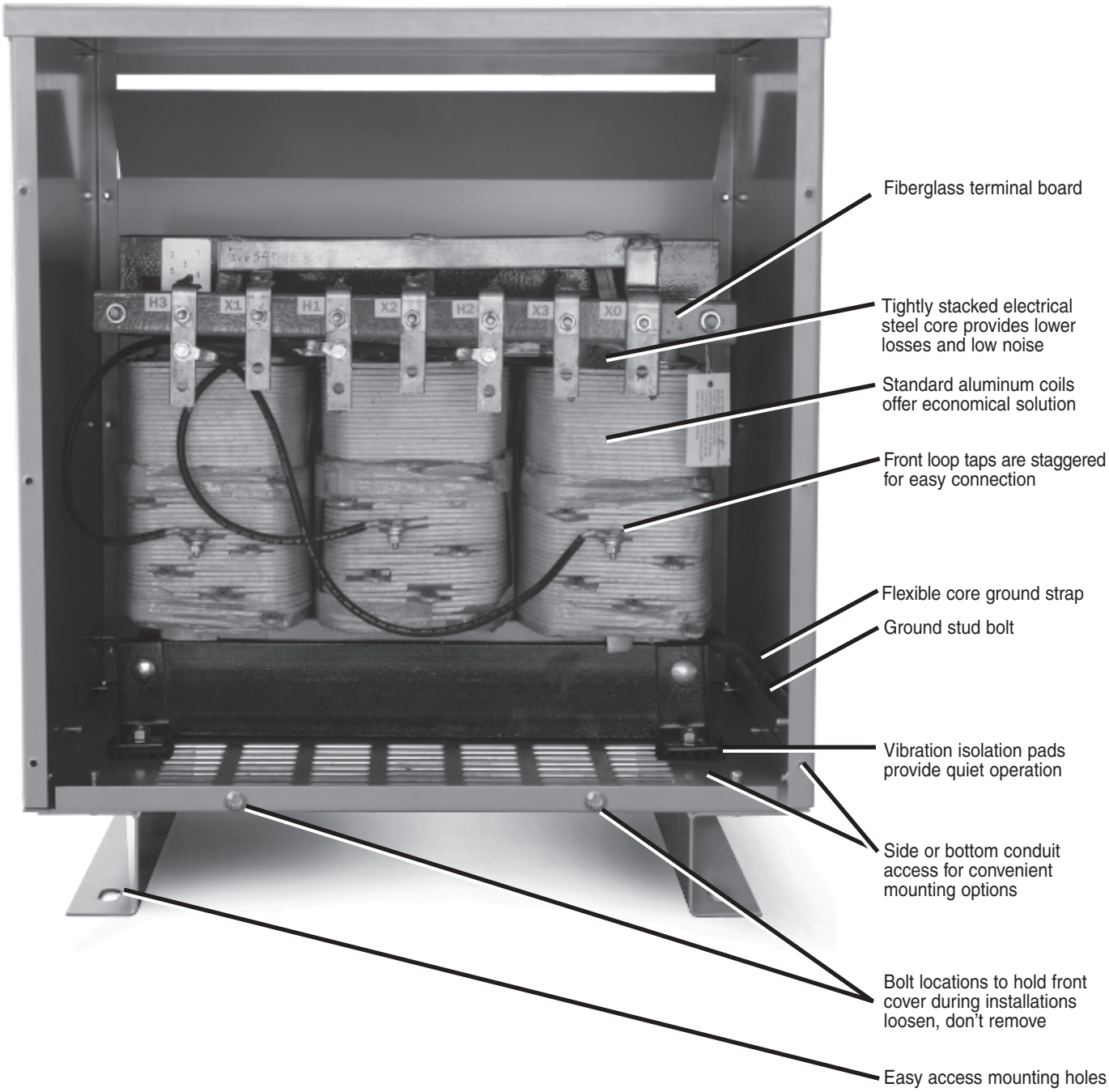
- *Built in accordance with NEMA, ANSI, UL and CSA standards*

***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 150ºC temperature rise*

Standard Construction Features

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



Version JE901 0411

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
208 V - 208Y/120 V – Aluminum windings*									
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	T208F	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	
1000	423-7398-000	22	81.0	66.0	44.0	5050		Included	
208 V - 480Y/277 V – Aluminum windings*									
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	T208G	423-0007-033	
225	423-7291-000	7	46.0	35.0	30.0	1315	T208G	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	
1000	423-7391-000	22	81.0	66.0	44.0	5050		Included	
240 V - 208Y/120 V – Aluminum windings*									
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	T240F	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	
1000	423-7392-000	22	81.0	66.0	44.0	5050		Included	
240 V - 480Y/277 V – Aluminum windings*									
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	T240E	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	
1000	423-7393-000	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

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
480 V - 208Y/120 V – Aluminum windings*									
15	423-7164-000	7	22.0	19.0	16.0	210		423-0007-019	223-7008-030
30	423-7194-000	7	25.0	22.0	17.0	310		423-0007-022	
45	423-7214-000	7	28.0	25.0	18.5	400		423-0007-025	223-7008-075
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	T480E	423-0007-029	
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	N/A
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	T480M	Included	
1000	423-7394-000	22	81.0	66.0	44.0	5050		Included	
480 V - 240 V – Aluminum windings * ++									
15	423-7167-000	7	22.0	19.0	16.0	210		423-0007-019	223-7008-030
30	423-7197-000	7	25.0	22.0	17.0	310		423-0007-022	
45	423-7217-000	7	28.0	25.0	18.5	400		423-0007-025	223-7008-075
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	T480G	423-0007-029	
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	N/A
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	T480N	Included	
1000	423-7397-000	22	81.0	66.0	44.0	5050		Included	
480 V - 480Y/277 V – Aluminum windings*									
15	423-7165-000	7	22.0	19.0	16.0	210		423-0007-019	223-7008-030
30	423-7195-000	7	25.0	22.0	17.0	310		423-0007-022	
45	423-7215-000	7	28.0	25.0	18.5	400		423-0007-025	223-7008-075
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	T480J	423-0007-029	
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	N/A
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	T480P	Included	
1000	423-7395-000	22	81.0	66.0	44.0	5050		Included	
600 V - 208Y/120 V – Aluminum windings*									
15	423-7169-000	7	22.0	19.0	16.0	210		423-0007-019	223-7008-030
30	423-7199-000	7	25.0	22.0	17.0	310		423-0007-022	
45	423-7219-000	7	28.0	25.0	18.5	400		423-0007-025	223-7008-075
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	T600B	423-0007-029	
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	N/A
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	T600G	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
600 V - 240 V – Aluminum windings* ++									
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	T600F	Included	
1000	423-739A-000	22	71.0	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

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** 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.

Figure 7

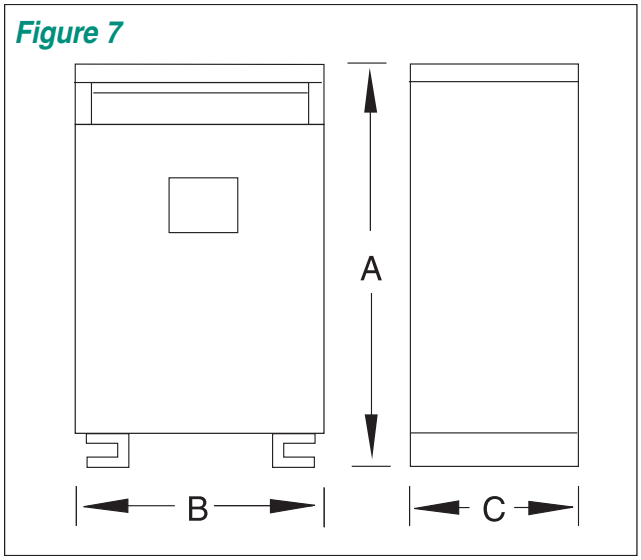


Figure 8

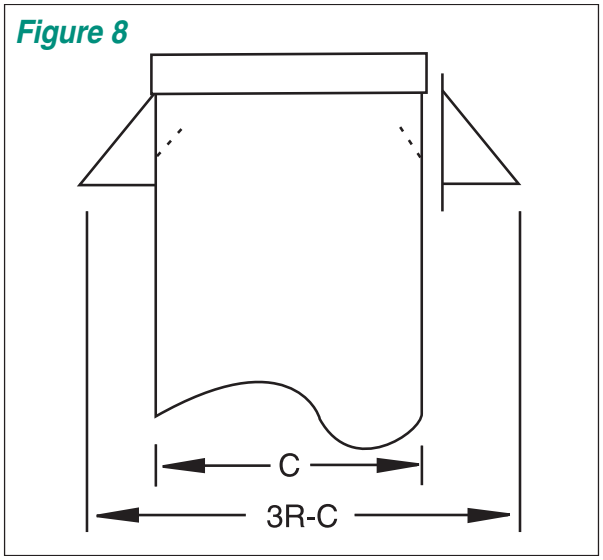
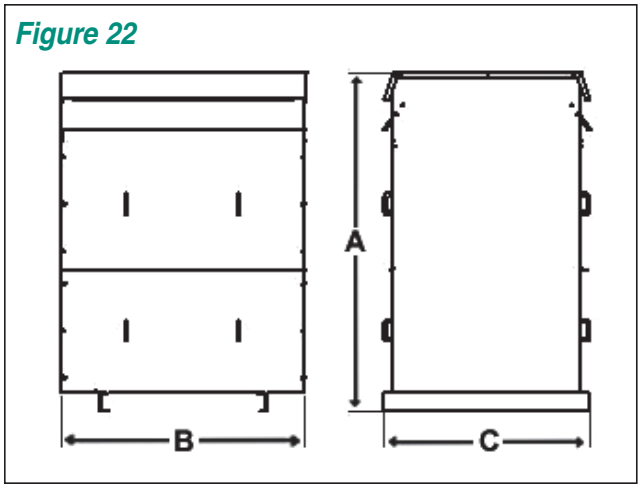


Figure 22



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

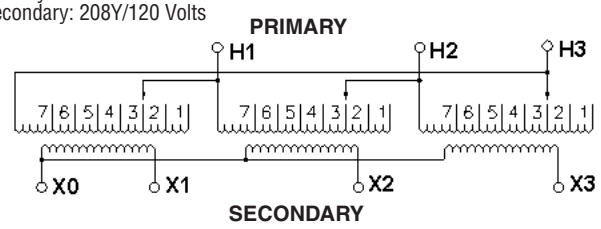
Catalog Number	Description	Shipping weight (lbs.)
223-7008-030	For 15 KVA unit at 150 degree C rise	18
223-7008-075	For 16 to 75 KVA unit at 150 degree C rise	20

Version JE901 0411

T208B Wiring Diagram & Connections*

Wiring Diagram

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



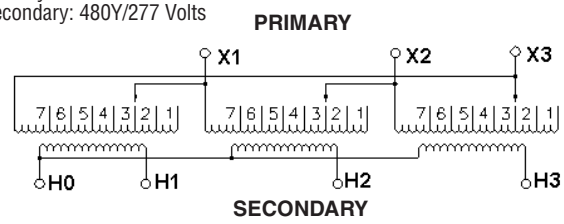
Connections

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 1 Phase		Between X0 and X1 or X2 or X3

T208D Wiring Diagram & Connections*

Wiring Diagram

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



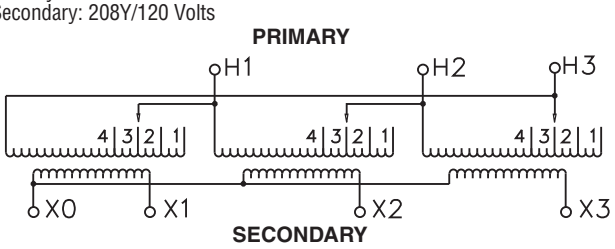
Connections

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 1 Phase		Between H0 and H1 or H2 or H3

T208F Wiring Diagram & Connections*

Wiring Diagram

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



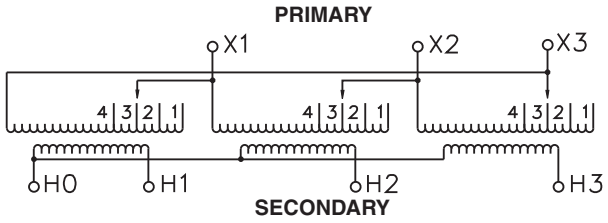
Connections

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 1 Phase		Between X0 and X1 or X2 or X3

T208G Wiring Diagram & Connections*

Wiring Diagram

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



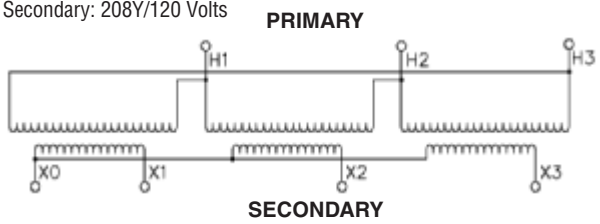
Connections

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 1 Phase		Between H0 and H1 or H2 or H3

T208I Wiring Diagram & Connections*

Wiring Diagram

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



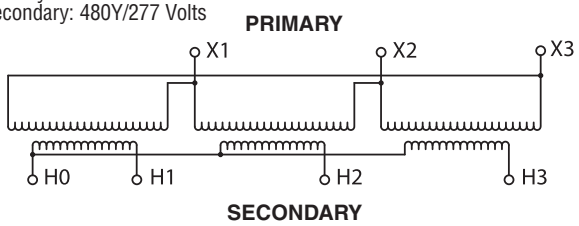
Connections

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

T208J Wiring Diagram & Connections*

Wiring Diagram

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



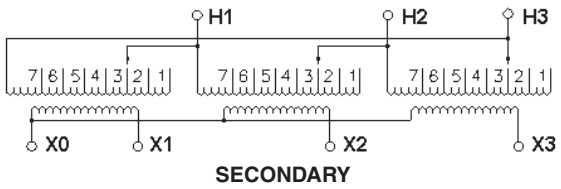
Connections

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

T240B Wiring Diagram & Connections*

Wiring Diagram

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



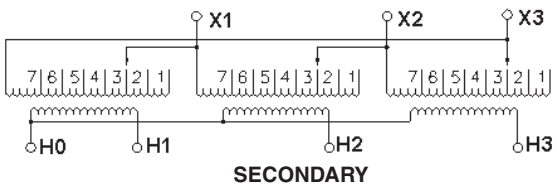
Connections

Primary Volts	On Each Coil Jumper Taps To	Primary Lines Connect To
252	1	H1, H2, H3
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 1 Phase		Between X0 and X1 or X2 or X3

T240D 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
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 1 Phase		Between H0 and H1 or H2 or H3

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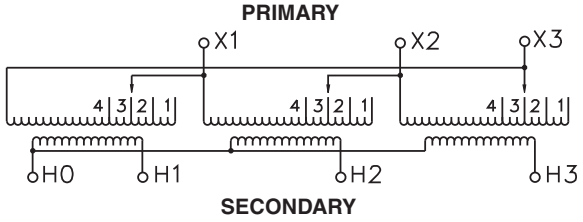
T240E Wiring Diagram & Connections*

Wiring Diagram

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



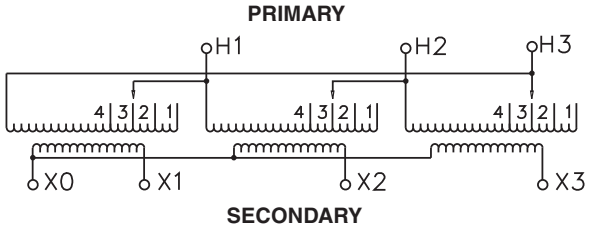
Connections

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 1 Phase		Between H0 and H1 or H2, or H3

T240F Wiring Diagram & Connections*

Wiring Diagram

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



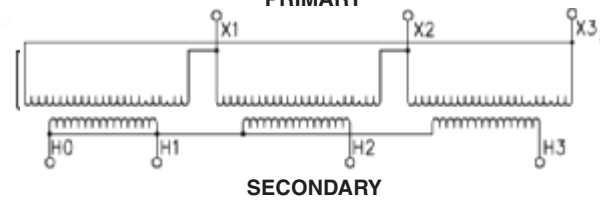
Connections

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 1 Phase		Between X0 and X1 or X2, or X3

T240H Wiring Diagram & Connections*

Wiring Diagram

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



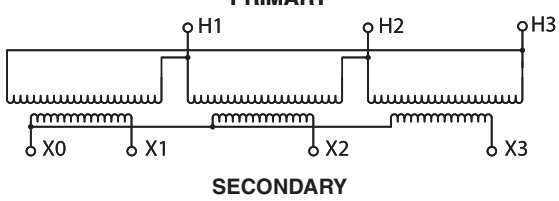
Connections

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 1 Phase		Between H0 and H1 or H2 or H3

T240I Wiring Diagram & Connections*

Wiring Diagram

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



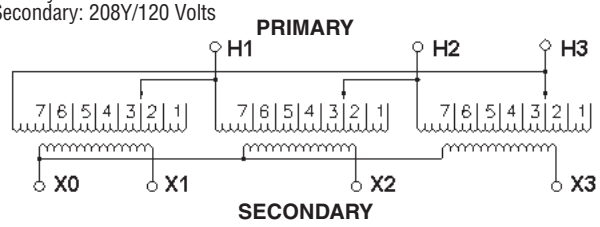
Connections

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 1 Phase		Between X0 and X1 or X2 or X3

T480E Wiring Diagram & Connections*

Wiring Diagram

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



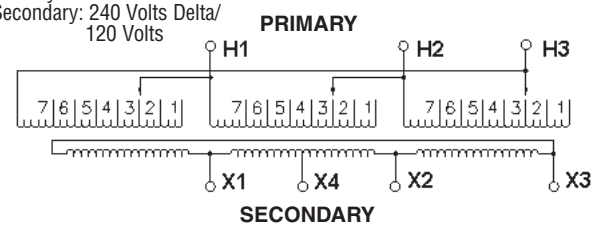
Connections

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
444	6	H1, H2, H3
432	7	H1, H2, H3
Sec. Volts		**Secondary Lines Connect To**
208		X1, X2, X3
120 1 Phase		Between X0 and X1 or X2 or X3

T480G Wiring Diagram & Connections*

Wiring Diagram

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



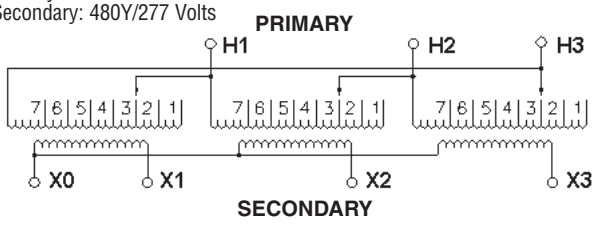
Connections

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
444	6	H1, H2, H3
432	7	H1, H2, H3
Sec. Volts		**Secondary Lines Connect To**
240		X1, X2, X3
120 1 Phase		X1 and X4 or X2 and X4

T480J Wiring Diagram & Connections*

Wiring Diagram

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



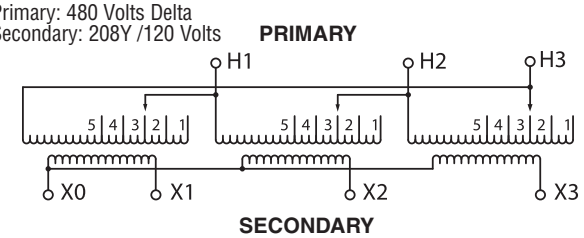
Connections

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
444	6	H1, H2, H3
432	7	H1, H2, H3
Sec. Volts		**Secondary Lines Connect To**
480		X1, X2, X3
277 1 Phase		Between X0 and X1 or X2 or X3

T480M Wiring Diagram & Connections*

Wiring Diagram

Primary: 480 Volts Delta
Secondary: 208Y /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**
208		X1, X2, X3
120 1 Phase		X1 and X4 or X2 and X4

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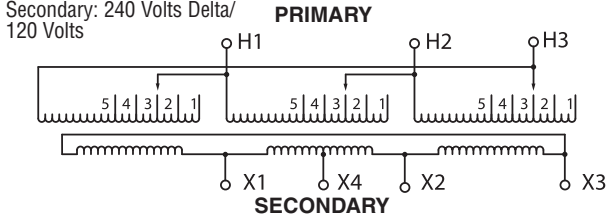
T480N Wiring Diagram & Connections*

Wiring Diagram

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



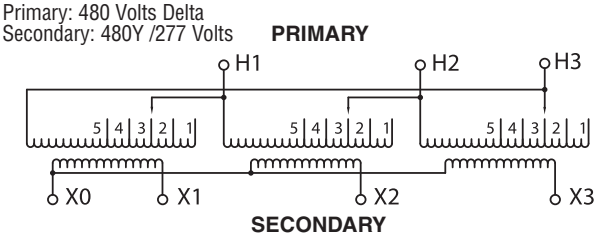
Connections

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 1 Phase		X1 and X4 or X2 and X4

T480P Wiring Diagram & Connections*

Wiring Diagram

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



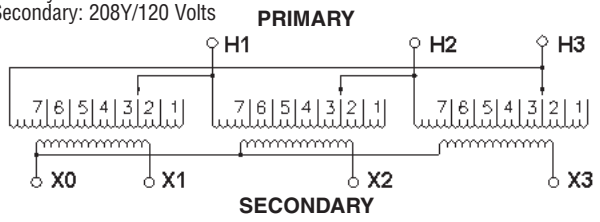
Connections

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 1 Phase		Between X0 and X1 or X2 or X3

T600B Wiring Diagram & Connections*

Wiring Diagram

Primary: 600 Volts
Secondary: 208Y/120 Volts



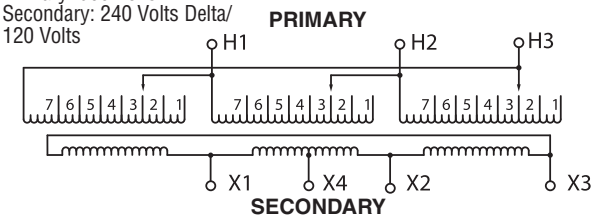
Connections

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 1 Phase		Between X0 and X1 or X2 or X3

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 1 Phase		X1 and X4 or X2 and X4

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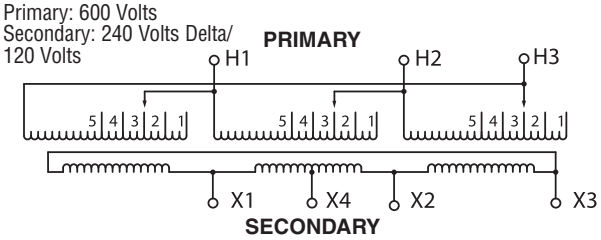
T600F Wiring Diagram & Connections*

Wiring Diagram

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



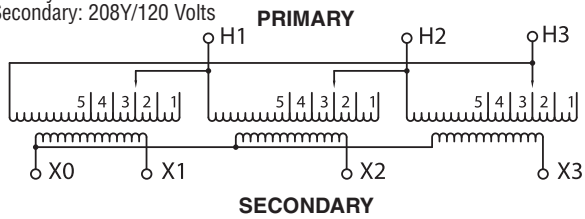
Connections

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
Sec. Volts		**Secondary Lines Connect To**
240		X1, X2, X3
120 1 Phase		X1 and X4 or X2 and X4

T600G 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
Sec. Volts		**Secondary Lines Connect To**
208		X1, X2, X3
120 1 Phase		Between X0 and X1 or X2 or X3

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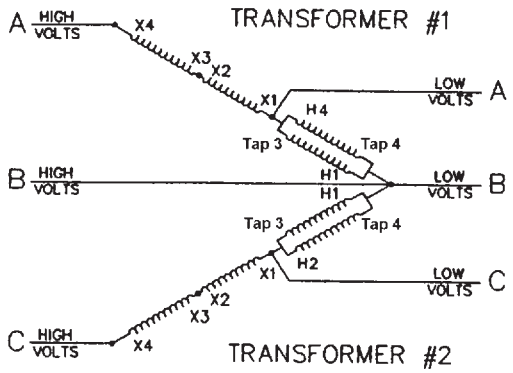
Economical Auto Connections (Open Delta) for 421 Series

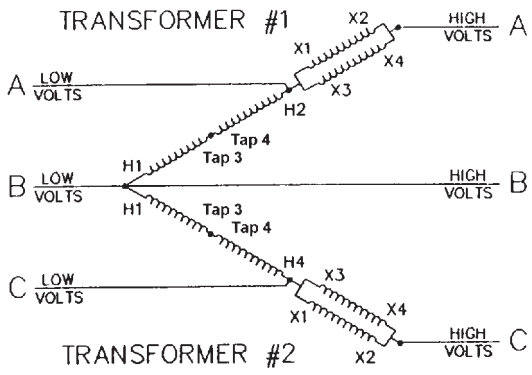
Three-Phase Using Two Single-Phase (Stock) Transformers
For proper overcurrent protection, refer to Article 450-4 of NEC

KVA*	High Volt Amps	Low Volt Amps	Qty.	Catalog Number	Catalog Number is for 1 transformer; 2 transformers are required
480 V Δ High V – 240 V Δ Low Volts (Open Delta)–3Ø, 60 Hz					
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
600 V Δ High Volts – 480 V Δ Low Volts (Open Delta)–3Ø, 60 Hz 480 V Δ High Volts – 380 V Δ Low Volts (Open Delta)–3Ø, 50/60 Hz						
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.

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