



Dry-type, three-phase, ventilated,
high-efficiency transformers

Complies
with
DOE-2016
standards

Siemens Canada offers a full line of three-phase, ventilated, dry-type transformers designed to meet the highest industry standards for quality, durability, and reliability in the commercial, industrial, and OEM markets.

Applications

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

Standards

- Meets DOE 2016 standard Part 431, Subpart K for energy efficiency
- Built in accordance with NEMA, ANSI and CSA standards
- CSA certified
- UL and cUL Listed

Specifications

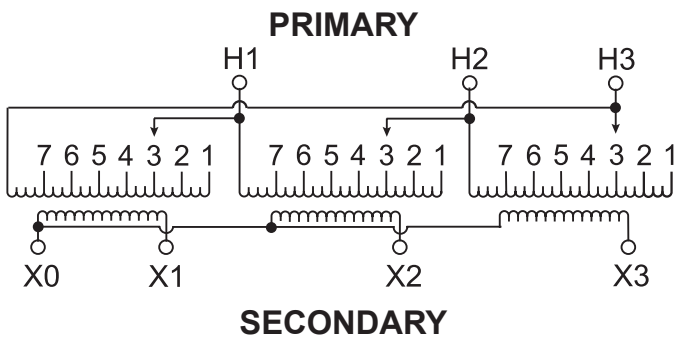
- 60 Hz
- 15–300 kVA range
- Aluminum windings
- Copper windings
- 150°C temperature rise
- 220°C insulation class
- NEMA 3R enclosure for indoor or outdoor use
- Heat-cured ASA-61 grey powder coating finish
- Cores of high quality electrical steel

Features, functions and benefits

- Space-saving design for easy handling and installation
- Termination lugs provided with transformer through 75 kVA
- Vibration isolation pads provide quiet operation
- Staggered front loop taps for easy connection
- K factor rated

Wiring diagrams

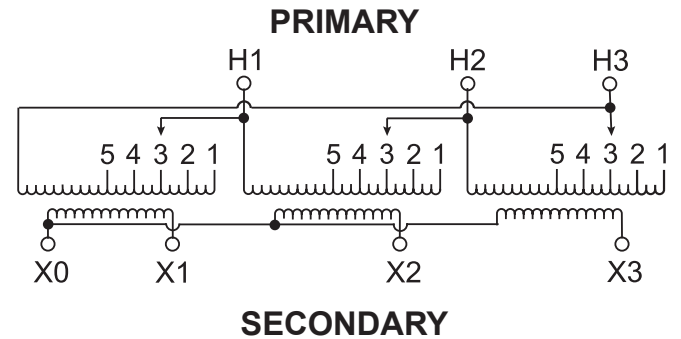
Primary: 480 Volts Delta
Secondary: 208Y/120 Volts



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
Secondary Volts		Secondary lines connect to
208		X1, X2, X3
120 1 phase		Between X0 and X1 or X2 or X3

Primary: 600 Volts Delta
Secondary: 208Y/120 Volts



Connections

Primary Volts	On each coil jumper taps to	Primary lines connect to
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
Secondary Volts		Secondary lines connect to
208		X1, X2, X3
120 1 phase		Between X0 and X1 or X2 or X3

General Purpose NRCAN Rated Industrial Type Transformers

Aluminum windings									
kVA	Catalogue No.	FCAN	FCBN	Enclosure Dimensions* (In)					Net Weight (lb)
				A	B	C	D	E	
480V Δ – 208Y/120V, 60 Hz, Aluminum windings, 150°C temperature rise									
15	T3F30015A5RXXNJ	2@2.5%	4@2.5%	22	19	21	15.8	12	215
30	T3F30030A5RXXNJ	2@2.5%	4@2.5%	25	22	22	18.1	13	330
45	T3F30045A5RXXNJ	2@2.5%	4@2.5%	28	25	23.5	19.5	14.5	415
75	T3F30075A5RXXNJ	2@2.5%	4@2.5%	32	27	26	23.5	16	585
112.5	T3F30112A5RXXNJ	2@2.5%	4@2.5%	38	29	29	25.5	18	785
150	T3F30150A5RXXNJ	2@2.5%	4@2.5%	42	33	32.5	30	21	1035
225	T3F30225A5RXXNJ	2@2.5%	4@2.5%	46	35	37	30.8	25	1430
300	T3F30300A5RXXNJ	2@2.5%	4@2.5%	52	35	37	30.8	25	1755
600V Δ – 208Y/120V, 60 Hz, Aluminum windings, 150°C temperature rise									
15	T3G30015A5RXXNJ	2@2.5%	2@2.5%	22	19	21	15.8	12	215
30	T3G30030A5RXXNJ	2@2.5%	2@2.5%	25	22	22	18.1	13	335
45	T3G30045A5RXXNJ	2@2.5%	2@2.5%	28	25	23.5	19.5	14.5	415
75	T3G30075A5RXXNJ	2@2.5%	2@2.5%	32	27	26	23.5	16	585
112.5	T3G30112A5RXXNJ	2@2.5%	2@2.5%	38	29	29	25.5	18	785
150	T3G30150A5RXXNJ	2@2.5%	2@2.5%	42	33	32.5	30	21	1035
225	T3G30225A5RXXNJ	2@2.5%	2@2.5%	46	35	37	30	21	1430
300	T3G30300A5RXXNJ	2@2.5%	2@2.5%	52	35	37	30.8	25	1755
Copper windings									
kVA	Catalogue No.	FCAN	FCBN	Enclosure Dimensions* (In)					Net Weight (lb)
				A	B	C	D	E	
480V Δ – 208Y/120V, 60 Hz, Copper windings, 150°C temperature rise									
15	T3F30015C5RXXNJ	2@2.5%	4@2.5%	22	19	21	15.8	12	235
30	T3F30030C5RXXNJ	2@2.5%	4@2.5%	25	22	22	18.1	13	365
45	T3F30045C5RXXNJ	2@2.5%	4@2.5%	28	25	23.5	19.5	14.5	455
75	T3F30075C5RXXNJ	2@2.5%	4@2.5%	32	27	26	23.5	16	735
112.5	T3F30112C5RXXNJ	2@2.5%	4@2.5%	38	29	29	25.5	18	885
150	T3F30150C5RXXNJ	2@2.5%	4@2.5%	42	33	32.5	30	21	1140
225	T3F30225C5RXXNJ	2@2.5%	4@2.5%	46	35	37	30.8	25	1530
300	T3F30300C5RXXNJ	2@2.5%	4@2.5%	52	35	37	30.8	25	1935
600V Δ – 208Y/120V, 60 Hz, Copper windings, 150°C temperature rise									
15	T3G30015C5RXXNJ	2@2.5%	2@2.5%	22	19	21	15.8	12	235
30	T3G30030C5RXXNJ	2@2.5%	2@2.5%	25	22	22	18.1	13	365
45	T3G30045C5RXXNJ	2@2.5%	2@2.5%	28	25	23.5	19.5	14.5	455
75	T3G30075C5RXXNJ	2@2.5%	2@2.5%	32	27	26	23.5	16	735
112.5	T3G30112C5RXXNJ	2@2.5%	2@2.5%	38	29	29	25.5	18	885
150	T3G30150C5RXXNJ	2@2.5%	2@2.5%	42	33	32.5	30	21	1140
225	T3G30225C5RXXNJ	2@2.5%	2@2.5%	46	35	37	30	21	1530
300	T3G30300C5RXXNJ	2@2.5%	2@2.5%	52	35	37	30.8	25	1935

* See diagram on page 5. Dimensions subject to change without notice. Consult factory if exact measurements are critical.

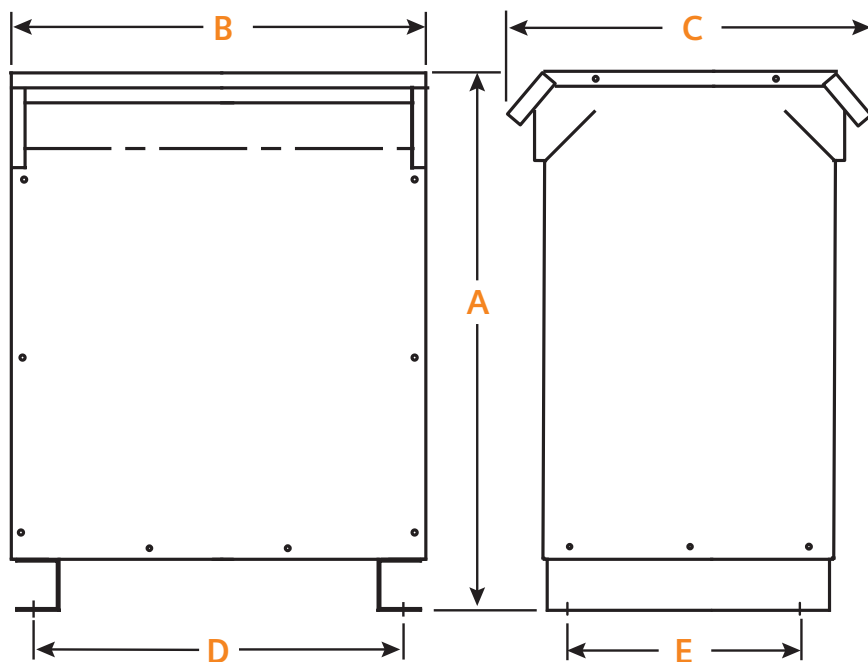
General Purpose K Rated Industrial Type Transformers

K-4 rated									
kVA	Catalogue No.	FCAN	FCBN	Enclosure Dimensions* (In)					Net Weight (lb)
				A	B	C	D	E	
600V Δ – 208Y/120V, 60 Hz, Aluminum windings, 150°C temperature rise									
15	T3G30015A5R1KNJ	2@2.5%	2@2.5%	22	19	21	15.8	12	210
30	T3G30030A5R1KNJ	2@2.5%	2@2.5%	25	22	22	18.1	13	310
45	T3G30045A5R1KNJ	2@2.5%	2@2.5%	28	25	23.5	19.5	14.5	400
75	T3G30075A5R1KNJ	2@2.5%	2@2.5%	32	27	26	23.5	16	585
112.5	T3G30112A5R1KNJ	2@2.5%	2@2.5%	38	29	29	25.5	18	775
150	T3G30150A5R1KNJ	2@2.5%	2@2.5%	42	33	32.5	30	21	1000
225	T3G30225A5R1KNJ	2@2.5%	2@2.5%	52	35	37	30.8	25	1315
300	T3G30300A5R1KNJ	2@2.5%	2@2.5%	60	48	43.5	42	27	1660
600V Δ – 208Y/120V, 60 Hz, Copper windings, 150°C temperature rise									
15	T3G30015C5R1KNJ	2@2.5%	2@2.5%	22	19	21	15.8	12	235
30	T3G30030C5R1KNJ	2@2.5%	2@2.5%	25	22	22	18.1	13	335
45	T3G30045C5R1KNJ	2@2.5%	2@2.5%	28	25	23.5	19.5	14.5	400
75	T3G30075C5R1KNJ	2@2.5%	2@2.5%	32	27	26	23.5	16	660
112.5	T3G30112C5R1KNJ	2@2.5%	2@2.5%	38	29	29	25.5	18	885
150	T3G30150C5R1KNJ	2@2.5%	2@2.5%	42	33	32.5	30	21	1140
225	T3G30225C5R1KNJ	2@2.5%	2@2.5%	52	35	37	30.8	25	1530
300	T3G30300C5R1KNJ	2@2.5%	2@2.5%	60	48	43.5	42	27	1935

K-13 rated									
kVA	Catalogue No.	FCAN	FCBN	Enclosure Dimensions* (In)					Net Weight (lb)
				A	B	C	D	E	
600V Δ – 208Y/120V, 60 Hz, Aluminum windings, 150°C temperature rise									
15	T3G30015A5R1MNJ	2@2.5%	2@2.5%	25	22	22	18.1	13	310
30	T3G30030A5R1MNJ	2@2.5%	2@2.5%	28	25	23.5	19.5	14.5	400
45	T3G30045A5R1MNJ	2@2.5%	2@2.5%	32	27	26	23.5	16	585
75	T3G30075A5R1MNJ	2@2.5%	2@2.5%	38	29	29	25.5	18	775
112.5	T3G30112A5R1MNJ	2@2.5%	2@2.5%	42	33	32.5	30	21	1000
150	T3G30150A5R1MNJ	2@2.5%	2@2.5%	46	35	37	30.8	25	1530
225	T3G30225A5R1MNJ	2@2.5%	2@2.5%	52	35	37	30.8	25	1660
300	T3G30300A5R1MNJ	2@2.5%	2@2.5%	60	48	43.5	42	27	2460
600V Δ – 208Y/120V, 60 Hz, Copper windings, 150°C temperature rise									
15	T3G30015C5R1MNJ	2@2.5%	2@2.5%	25	22	22	18.1	13	310
30	T3G30030C5R1MNJ	2@2.5%	2@2.5%	28	25	23.5	19.5	14.5	400
45	T3G30045C5R1MNJ	2@2.5%	2@2.5%	32	27	26	23.5	16	585
75	T3G30075C5R1MNJ	2@2.5%	2@2.5%	38	29	29	25.5	18	775
112.5	T3G30112C5R1MNJ	2@2.5%	2@2.5%	42	33	32.5	30	21	1000
150	T3G30150C5R1MNJ	2@2.5%	2@2.5%	46	35	37	30.8	25	1530
225	T3G30225C5R1MNJ	2@2.5%	2@2.5%	52	35	37	30.8	25	1660
300	T3G30300C5R1MNJ	2@2.5%	2@2.5%	60	48	43.5	42	27	2460

* See diagram on page 5. Dimensions subject to change without notice. Consult factory if exact measurements are critical.

Enclosure diagram



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