



240 X 480 PRIMARY VOLTS — 120/240 SECONDARY VOLTS — FOUR WINDINGS — 1Ø, 60 Hz

kVA	Catalog Number	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)	Mounting Type (Wall)(Floor)	Knockouts (Inches)(Cm.)	Weather Shield	Wiring Diagrams	Design Figures
.05 ①	T153004	6.41 (16.3)	3.14 (8.0)	3.05 (7.7)	4 (1.8)	W	0.875 (2.2)	NA	1	A
.10 ①	T153005	7.16 (18.2)	3.89 (9.9)	3.67 (9.3)	5 (2.3)	W	0.875 (2.2)	NA	1	A
.15 ①	T153006	7.16 (18.2)	3.89 (9.9)	3.67 (9.3)	7 (3.2)	W	0.875 (2.2)	NA	1	A
.25 ①	T253007S	8.68 (22.0)	4.08 (10.4)	3.88 (9.9)	10 (4.5)	W	0.50-0.75 (1.3-1.9)	NA	2	B
.50 ①	T253008S	9.06 (23.0)	4.37 (11.1)	4.20 (10.7)	15 (6.8)	W	0.50-0.75 (1.3-1.9)	NA	2	B
.75 ①	T253009S	9.68 (24.6)	4.75 (12.1)	4.50 (11.4)	19 (8.6)	W	0.50-0.75 (1.3-1.9)	NA	2	B
1.00	T253010S	10.50 (26.7)	5.50 (14.0)	5.13 (13.0)	24 (10.9)	W	0.50-0.75 (1.3-1.9)	NA	2	B
1.50	T253011S	11.62 (29.5)	5.50 (14.0)	5.13 (13.0)	30 (13.6)	W	0.50-0.75 (1.3-1.9)	NA	2	B
2.00	T253012S	13.00 (33.0)	5.50 (14.0)	5.13 (13.0)	38 (17.2)	W	0.50-0.75 (1.3-1.9)	NA	2	B
3.00	T253013S	11.50 (29.2)	10.31 (26.2)	7.13 (18.1)	55 (24.9)	W	0.75-1.25 (1.9-3.2)	NA	2	C
3.00	T2530134S	11.50 (29.2)	10.31 (26.2)	7.13 (18.1)	55 (24.9)	W	0.75-1.25 (1.9-3.2)	NA	3	C
5.00	T253014S	14.38 (36.5)	10.31 (26.2)	7.13 (18.1)	75 (34.0)	W	0.75-1.25 (1.9-3.2)	NA	2	C
5.00	T2530144S	14.38 (36.5)	10.31 (26.2)	7.13 (18.1)	75 (34.0)	W	0.75-1.25 (1.9-3.2)	NA	3	C
7.50	T2535153S	15.19 (38.6)	13.50 (34.3)	10.84 (27.5)	115 (52.2)	W	0.75-1.25 (1.9-3.2)	NA	4	D
10.00	T2535163S	15.19 (38.6)	13.50 (34.3)	10.84 (27.5)	125 (56.7)	W	0.75-1.25 (1.9-3.2)	NA	4	D
15.00	T2535173S	16.94 (43.0)	14.12 (35.9)	11.59 (29.4)	170 (77.1)	W	1.00-1.50 (2.5-3.8)	NA	4	D
25.00	T2535183S	18.44 (46.8)	16.13 (41.0)	13.34 (33.9)	250 (113.0)	W	1.00-1.50 (2.5-3.8)	NA	4	D
37.50	TP530193S	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	280 (127.0)	F ②	NA	WSA1	5	E
50.00	TP530203S	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	350 (158.8)	F ②	NA	WSA1	5	E
75.00	TP530213S	35.47 (90.1)	31.90 (81.0)	26.88 (68.3)	430 (195.0)	F	NA	WSA3	5	E
100.00	TP530223S	41.52 (105.4)	32.90 (83.5)	29.87 (75.9)	525 (238.0)	F	NA	WSA4	5	E
167.00	TP530233S	45.60 (115.8)	39.50 (100.3)	35.50 (90.1)	1050 (476.3)	F	NA	WSA5	5	E
250.00	TP530243S	45.60 (115.8)	39.50 (100.3)	35.50 (90.1)	1440 (653.2)	F	NA	WSA5	5	E

Notes: 0.05 through 25.0 kVA encapsulated (exempt from DOE 2016), 37.5 through 250.0 kVA DOE 2016 compliant

① Suitable for 50/60Hz

② Wall mounting brackets are available for these sizes, refer to page 217.

240 X 480 PRIMARY VOLTS — 120/240 SECONDARY VOLTS — FOUR WINDINGS — 1Ø, 60 Hz

316 STAINLESS STEEL

kVA	Catalog Number	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)	Mounting Type (Wall)(Floor)	Knockouts (Inches)(Cm.)	Weather Shield	Wiring Diagrams	Design Figures
0.25 ①	T253007SS	8.68 (22.0)	4.08 (10.4)	3.88 (9.9)	10 (4.5)	W	NA	NA	2	B
0.50 ①	T253008SS	9.06 (23.0)	4.37 (11.1)	4.20 (10.7)	15 (6.8)	W	NA	NA	2	B
0.75 ①	T253009SS	9.68 (24.6)	4.75 (12.1)	4.50 (11.4)	19 (8.6)	W	NA	NA	2	B
1.00	T253010SS	10.50 (26.7)	5.50 (14.0)	5.13 (13.0)	24 (10.9)	W	NA	NA	2	B
1.50	T253011SS	11.62 (29.5)	5.50 (14.0)	5.13 (13.0)	30 (13.6)	W	NA	NA	2	B
2.00	T253012SS	13.00 (33.0)	5.50 (14.0)	5.13 (13.0)	38 (17.2)	W	NA	NA	2	B
3.00	T253013SS	11.50 (29.2)	10.31 (26.2)	7.13 (18.1)	55 (24.9)	W	NA	NA	3	C
5.00	T253014SS	14.38 (36.5)	10.31 (26.2)	7.13 (18.1)	75 (34.0)	W	NA	NA	3	C
7.50	T253515SS	15.19 (38.6)	13.50 (34.3)	10.84 (27.5)	115 (52.2)	W	NA	NA	4	D
10.00	T253516SS	15.19 (38.6)	13.50 (34.3)	10.84 (27.5)	125 (56.7)	W	NA	NA	4	D
15.00	T253517SS	16.94 (43.0)	14.12 (35.9)	11.59 (29.4)	170 (77.1)	W	NA	NA	4	D
25.00	T253518SS	18.44 (46.8)	16.13 (41.0)	13.34 (33.9)	250 (113.0)	W	NA	NA	4	D

Notes: 0.25 through 25.0 kVA encapsulated (exempt from DOE 2016)

① Suitable for 50/60Hz

All Wiring Diagrams begin on page 209.

600 PRIMARY VOLTS — 480 SECONDARY VOLTS — 3Ø, 60 Hz
480 PRIMARY VOLTS — 380 SECONDARY VOLTS — 3Ø, 50/60 Hz

AUTO TRANSFORMERS

kVA ①											
Primary 600V Secondary 480V	Primary 480V Secondary 380V	Catalog Number	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)	Mounting Type (Wall)(Floor)	Knockouts (Inches)(Cm.)	Weather Shield	Wiring Diagrams	Design Figures
15.0	12.0	T2527031③	15.21 (38.6)	19.25 (48.9)	7.37 (18.7)	104 (47.2)	W	NA	NA	56	F
30.0	24.0	T2527051③	15.21 (38.6)	19.25 (48.9)	7.37 (18.7)	152 (68.9)	W	NA	NA	56	F
45.0	36.0	T2527071③	15.21 (38.6)	19.25 (48.9)	7.37 (18.7)	156 (70.8)	W	NA	NA	56	F
75.0	60.0	T3527101③	18.86 (47.9)	20.30 (51.6)	9.03 (22.9)	300 (136.1)	F ⑤	NA	NA	56	I
112.5	90.0	T2A527121④	25.50 (64.8)	24.40 (62.0)	19.40 (49.3)	325 (147.0)	F ①	NA	WSA1	57	E
150.0	120.0	T2A527131④	25.50 (64.8)	24.40 (62.0)	19.40 (49.3)	350 (158.8)	F ①	NA	WSA1	57	E
225.0	180.0	T2A527151④	29.41 (74.7)	28.15 (71.5)	22.37 (56.8)	600 (272.0)	F ①	NA	WSA2	57	E
300.0	240.0	T2A527171④	29.41 (74.7)	28.15 (71.5)	22.37 (56.8)	650 (294.8)	F	NA	WSA2	57	E
450.0	360.0	T2A527181④	35.47 (90.1)	31.90 (81.0)	26.88 (68.3)	750 (340.0)	F	NA	WSA3	57	E
500.0	400.0	T2A527191④	35.47 (90.1)	31.90 (81.0)	26.88 (68.3)	790 (358.3)	F	NA	WSA3	57	E

Notes: Autotransformer DOE 2106 exempt

① Wall mounting brackets are available for these sizes, refer to page 217.

② If used on unbalanced loads, these units should only be used on a 4 wire system with the supply neutral connected to the transformer. If used on balanced loads, such as motor loads, then they may be used on a 3 wire system without a neutral or 4th wire.

③ These units are encapsulated with a 115° C temperature rise.

④ These units are ventilated with 150° C temperature rise.

⑤ Wall mounting brackets use PL-79912

All Wiring Diagrams begin on page 209.

ECONOMICAL AUTO ARRANGEMENTS

480 PRIMARY (open delta) VOLTS —
240 SECONDARY (open delta) VOLTS — 3Ø, 60 Hz

THREE PHASE

kVA ①	Quantity ②	Catalog Number ③	Primary Full Load Amps	Secondary Full Load Amps	Maximum Size Fuse or Breaker
3.0	2	T253010S	3.60	7.20	10
5.0	2	T253011S	6.00	12.00	10
6.0	2	T253012S	7.20	14.40	15
10.0	2	T2530134S	12.00	24.00	15
17.0	2	T2530144S	20.50	40.80	30
26.0	2	T2535153S	31.50	63.00	40
34.0	2	T2535163S	41.00	81.60	60
52.0	2	T2535173S	63.00	125.00	80
86.0	2	T2535183S	104.00	206.30	150
130.5	2	TP530193S	157.00	314.00	200
173.0	2	TP530203S	209.00	418.00	300
259.0	2	TP530213S	312.00	623.00	400
346.0	2	TP530223S	417.00	834.00	600
578.0	2	TP530233S	696.00	1392.00	1000
865.0	2	TP530243S	1041.00	2082.00	1600

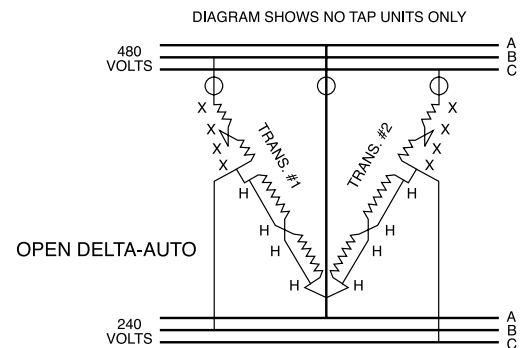
① kVA capacity of three phase autotransformer bank, using two single phase, 60 Hz transformers connected open delta

② Catalog No. is for 1 transformer, 2 units are required.

③ Can be reverse connected with no change in kVA.

④ For transformer dimensions, refer to appropriate table in section 1, page 23.

⑤ For proper overcurrent protection, refer to Article 450-4 of N.E.C.



⑤ 0 = Fuse location NEC 450-4, 2014

The diagram is for illustration purposes only. Please contact the factory for construction details. Each Acme transformer is shipped with detailed wiring diagrams. Refer to nameplate located inside the front cover for specific voltage tap combinations.

600 PRIMARY VOLTS — 480 SECONDARY (open delta) VOLTS — 3Ø, 60 Hz
480 PRIMARY VOLTS — 380 SECONDARY (open delta) VOLTS — 3Ø, 50/60 Hz

THREE PHASE

Primary 600V Secondary 480V kVA ①	Primary Amps	Secondary Amps	Primary 480V Secondary 380V kVA ①	Primary Amps	Secondary Amps	Quantity ②	Catalog Number ③	Maximum Size Fuse or Breaker
8.0	7.70	9.60	6.5	7.80	9.60	2	T253010S	15
12.0	11.55	14.40	9.5	11.55	14.40	2	T253011S	15
17.0	16.33	20.41	13.5	16.33	20.41	2	T253012S	25
25.0	24.06	30.01	20.0	24.06	30.01	2	T2530134S	30
43.0	41.38	51.70	34.0	41.38	51.70	2	T2530144S	60
64.0	61.59	77.00	51.0	61.59	77.00	2	T2535153S	80
86.0	82.76	103.44	68.0	82.76	103.44	2	T2535163S	110
129.0	124.13	155.20	103.0	124.13	155.20	2	T2535173S	175
216.0	207.85	259.80	172.0	207.85	259.80	2	T2535183S	300
324.0	311.78	389.70	259.0	311.78	389.70	2	TP530193S	400
433.0	416.67	520.83	346.0	416.67	520.83	2	TP530203S	600
650.0	625.00	781.00	519.0	625.00	781.00	2	TP530213S	800
865.0	833.00	1040.00	692.0	833.00	1051.00	2	TP530223S	1200
1445.0	1391.00	1738.00	1156.0	1391.00	1756.00	2	TP530233S	2000
2164.0	2083.00	2602.00	1731.0	2083.00	2629.00	2	TP530243S	3000

① kVA capacity of three phase autotransformer bank, using two single phase, 60 Hz transformers connected open delta.

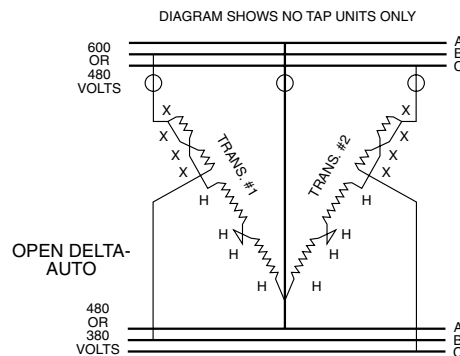
② Catalog No. is for 1 transformer, 2 units are required.

③ Can be reverse connected with no change in kVA.

④ For transformer dimensions, refer to appropriate table in section 1, page 23.

⑤ For proper overcurrent protection, refer to Article 450-4 of N.E.C

The diagram is for illustration purposes only. Please contact the factory for construction details. Each Acme transformer is shipped with detailed wiring diagrams. Refer to nameplate located inside the front cover for specific voltage tap combinations.



⑤ ○ = Fuse Location NEC 450-4, 2014.

DEVELOPING A NEUTRAL FROM A THREE PHASE, 3-WIRE SUPPLY

PRIMARY (Input): 480 Volts 3Ø, 3 Wire

① 50/60 Hz

SECONDARY (Output): 480Y/277 Volts 3Ø, 4 Wire

Use 3 Pieces of Type Number ④	Available In	Nameplate kVA For Each Transformer	Number of Transformers Required	Three Phase kVA	Maximum Continuous Amperage Load Per Phase (277 Volts)
T253010S	No Taps Only	1.0	3	10.80	12.50
T253011S	No Taps Only	1.5	3	15.60	18.75
T253012S	No Taps Only	2.0	3	20.70	25.00
T2530134S	Taps & No Taps	3.0	3	31.20	37.50
T2530144S	Taps & No Taps	5.0	3	51.90	62.50
T2535153S	With Taps Only	7.5	3	78.00	93.50
T2535163S	With Taps Only	10.0	3	103.80	125.00
T2535173S	With Taps Only	15.0	3	156.00	187.50
T2535183S	With Taps Only	25.0	3	259.50	312.00
TP530193S	With Taps Only	37.5	3	390.00	468.00
TP530203S	With Taps Only	50.0	3	519.00	625.00
TP530213S	With Taps Only	75.0	3	780.00	935.00
TP530223S	With Taps Only	100.0	3	1038.00	1250.00
TP530233S	With Taps Only	167.0	3	1734.00	2085.00

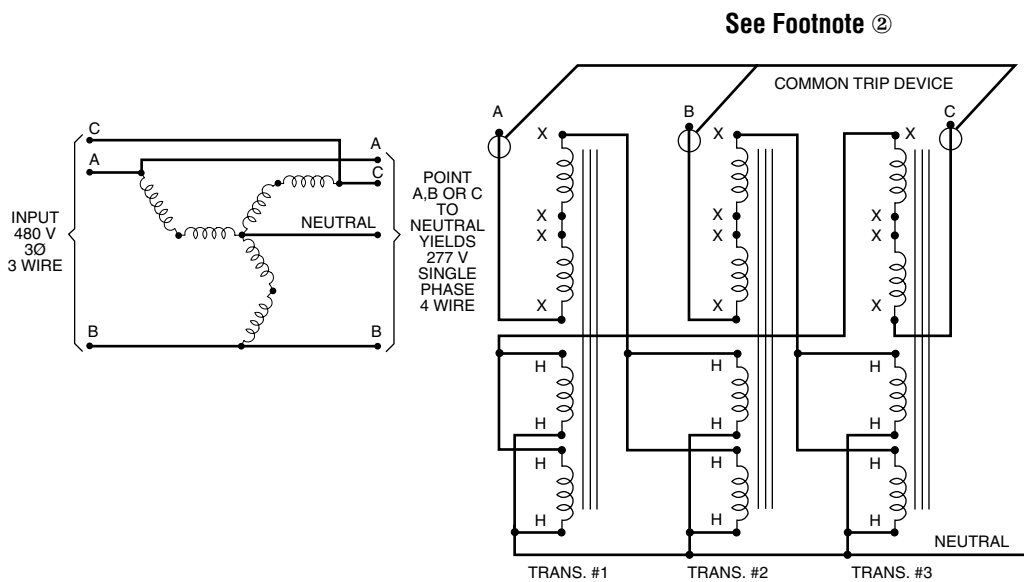
① Applicable for the above connection only.

② Connection diagram (using 3 pieces of 1 phase, 60 hertz transformers connected zig-zag auto) for developing a neutral (4th wire) from a 3 phase, 3 wire supply.

③ For proper over-current protection, refer to the N.E.C. Article 450-5..

④ For transformer dimensions, refer to appropriate table in section 1, page 23.

Each Acme transformer is shipped with detailed wiring diagrams. Refer to nameplate located inside the front cover for specific voltage tap combinations.



○ = Fuse Location NEC 450-4, 2014. ③