

Section 1 | Economical Auto Arrangements

600 PRIMARY VOLTS — 480 SECONDARY VOLTS — 3Ø, 60 Hz

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

AUTO TRANSFORMERS

kVA ①		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
Primary 600V Secondary 480V	Primary 480V Secondary 380V										
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	41.52 (90.1)	32.90 (81.0)	29.87 (68.3)	790 (358.3)	F	NA	WSA4	57	E

① Wall mounting brackets are available for these sizes, refer to page 41.

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 35.

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

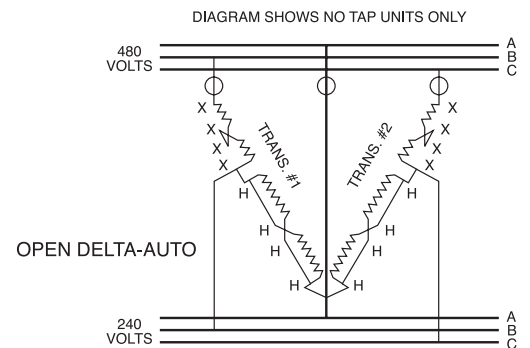
① kVA capacity of three phase autotransformer bank, using two single phase, 60 Hz transformers connected open delta

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 19.

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.