



Panel-Tran® Zone Power Center Transformers

Section



Zone power centers combine an Acme encapsulated distribution transformer with a power panel assembly in one convenient UL-3R enclosure, for indoor/outdoor use and is suitable for use as service entrance equipment.

304 Stainless Steel Panel Tran®	140
General Description and Construction Features	140-141
Selection Charts—Single Phase	142-143
Circuit Breaker Data—Single Phase	142-143
Selection Charts—Three Phase	144-145
Circuit Breaker Data—Three Phase	144-145
Wiring Diagrams	146



CONVENIENT PACKAGE SAVES COSTS AND SPACE

Acme's Panel-Tran® Power Center is a pre-wired combination of a primary breaker disconnect, dry-type shielded transformer, secondary breaker disconnect and a secondary power panel all in one convenient package.

You save time, space and money by not having to individually assemble, mount and wire these components. Simply add the breakers of your choice and you're ready to go.

Features

- 600 volt class and below
- Single and three phase, 480 and 600 volt primary, 60 Hz
- Primary and secondary main circuit breakers provided
- UL-3R enclosure
- 5 through 25 kVA single phase, 9 through 30 kVA three phase
- Meets or exceeds UL, CSA, NEMA, ANSI and OSHA Standards
- UL Listed and CSA Certified
- Ten-year limited warranty
- Shielded for cleaner power
- Available in 304 stainless steel
- Available with bolt-in or snap-in breakers

304 STAINLESS STEEL PANEL-TRANS®

Features

- 3R Enclosure
- Abundant knockouts provided
- Encapsulated construction
- Single phase: 5 – 25 kVA
- Three phase: 9 – 30 kVA

Applications

- Harsh industrial locations
- Corrosive chemical exposure
- Waste water treatment facilities
- Coastal or marine applications with high salt spray level
- Any application where painted cold roll steel is not adequate



ELECTRICAL CHARACTERISTICS

Single Phase

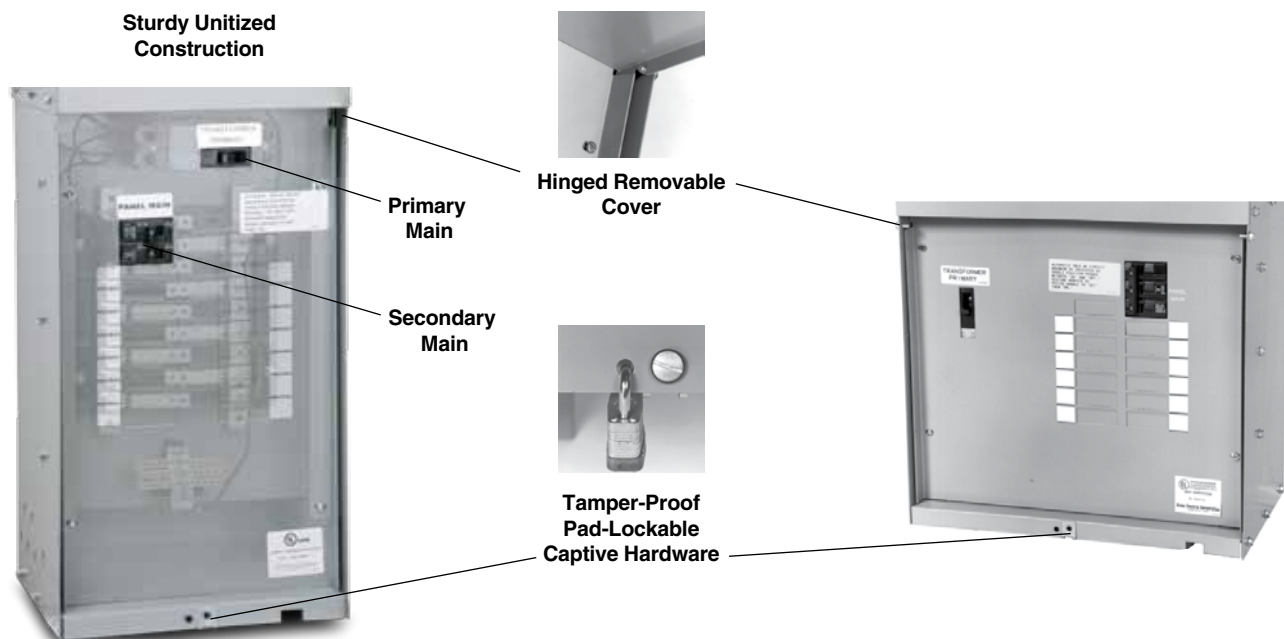
Primary Voltage: 480 Volts; 60 Hz, 2 – 5% BNFC taps
 Secondary Voltage: 240/120 Volts Single Phase, 60 Hz, Three wire system
 kVA's Available: 5, 7.5, 10, 15 and 25 kVA
 Optional: 600 volts primary voltage available

Three Phase

Primary Voltage: 480 Volts Delta; 60 Hz with 2 – 5% BNFC taps
 Secondary Voltage: 208Y/120 Volts Three Phase, 60 Hz, Four wire system
 kVA's Available: 9, 15, 22.5 and 30 kVA
 Insulation Class: 180°C, UL recognized system, 115°C rise
 Regulation: 2 – 3% at unity power factor
 Optional: 600 volts primary voltage available

- **UL-3R Enclosures** All Panel-Tran® enclosures are UL-3R listed for indoor and outdoor use.
- **Transformer Assembly** Acme totally encapsulated distribution transformers are designed for general purpose indoor/outdoor operation. Panel-Tran® can be installed in a wide variety of atmospheric and environmental conditions. A 180°C, UL recognized insulation system is used. Panel-Tran® units are electrostatically shielded to provide transient voltage protection at no extra cost.
- **Panel Assembly** The power panel assembly will accommodate one-inch, 1, 2 or 3-pole, common trip, duplex secondary branch circuit breakers and ground fault circuit breakers. Per UL and NEC requirements, the Panel-Tran® assembly comes fully equipped with primary and secondary main circuit breakers. Branch circuit breakers should be obtained from our local distributor once you have established your branch circuit requirements.
- **Panel-Tran® — Why?** Panel-Tran® eliminates the normal tangled masses of secondary circuit feeders and gives your industrial commercial distribution systems new flexibility. Use your high voltage bus to full advantage by putting power where the problem is. Reduce cost — save space — keep flexible.
- **Panel-Tran® — Where?** Anywhere 120, 208 or 240 volt branch circuits are required. Typically, Panel-Tran® is best applied in situations similar to the following: Powering foreman centers, vending machine areas, factory test set-ups, office buildings, mining applications, assembly lines, portable or temporary power sources, parking lots, small machine set-ups, light industrial areas, warehouses, and numerous other locations. Use where your branch circuits may require future change or expansion.
- **UL Listed** Panel-Tran® has been listed by Underwriters' Laboratories for both indoor and outdoor operation under their unit substation classification, file number E-56936. In addition, Panel-Tran® is UL listed as suitable for use as Service Entrance Equipment.
- **Meets The NEC** Panel-Tran® fully complies with Article 450-3 of the latest edition of the NEC.
- **Protection** A primary main breaker protects the transformer and acts as a disconnect device. This primary main breaker has a high interrupting capacity to handle fault conditions. A secondary main breaker, between the transformer and the panel, is required by the N.E.C.
- **Branch Circuits** Typical 1" snap-in or bolt-in circuit breakers, regular or duplex, must be field installed. They are not provided with the Panel-Tran® unit. A secondary ground is provided within the wiring compartment for accepting your branch unit. All of the breakers, including the primary main, secondary main, and branch circuit breakers are located in the lower section of the Panel-Tran®. This lower section is protected by a hinged, removable front cover which can be padlocked for safety.
- **Recommended Branch Breakers** We suggest using branch breakers of the same manufacture as the panel in Panel-Tran®. Please contact the factory for the proper branch breaker recommendation.
- **Connections** All Panel-Tran® connections will accept copper or aluminum conductor.

FEATURES



Acme reserves the right to change breaker and panel manufacturers without notification.



SNAP-IN BREAKERS
480 PRIMARY VOLTS — 240/120 SECONDARY VOLTS — 1Ø, 60 Hz

Single Phase

kVA	Catalog Number	Secondary Maximum Circuit ①		Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)
		120 V (1-pole)	240 V (2-pole)				
5.0	PT061150005LS	8	4	32.13 (81.6)	13.25 (33.7)	7.63 (19.4)	120 (54.4)
7.5	PT061150007LS	8	4	32.13 (81.6)	15.88 (40.3)	11.00 (27.9)	160 (72.6)
10.0	PT061150010LS	8	4	34.38 (87.3)	15.88 (40.3)	11.00 (27.9)	185 (83.9)
15.0	PT061150015LS	12	6	34.38 (87.3)	17.13 (43.5)	12.38 (31.4)	240 (109.0)
25.0	PT061150025LS	20	10	41.88 (106.4)	17.88 (45.4)	13.50 (34.3)	330 (150.0)

① The number of secondary circuits shown is only a representation of circuits. Please contact the factory for exact number of secondary circuits available.

304 STAINLESS STEEL/ SNAP-IN BREAKERS
480 PRIMARY VOLTS — 240/120 SECONDARY VOLTS — 1Ø, 60 Hz

Single Phase

kVA	Catalog Number	Secondary Maximum Circuit ①		Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)
		120 V (1-pole)	240 V (2-pole)				
5.0	PT061150005SS	8	4	32.13 (81.6)	13.25 (33.7)	7.63 (19.4)	120 (54.4)
7.5	PT061150007SS	8	4	32.13 (81.6)	15.88 (40.3)	11.00 (27.9)	160 (72.6)
10.0	PT061150010SS	8	4	34.38 (87.3)	15.88 (40.3)	11.00 (27.9)	185 (83.9)
15.0	PT061150015SS	12	6	34.38 (87.3)	17.13 (43.5)	12.38 (31.4)	240 (109.0)
25.0	PT061150025SS	20	10	41.88 (106.4)	17.88 (45.4)	13.50 (34.3)	330 (150.0)

① The number of secondary circuits shown is only a representation of circuits. Please contact the factory for exact number of secondary circuits available.

SNAP-IN BREAKERS
480 VOLTS to 240/120 VOLTS

Circuit Breaker Data

kVA	480 Volts primary breakers	240/120 Volts secondary main	Maximum Rating of Secondary Breakers
5.0	ED42B025L (25A)	Q225 (25A)	20 amps
7.5	ED42B025L (25A)	Q240 (40A)	30 amps
10.0	ED42B035L (35A)	Q250 (50A)	40 amps
15.0	ED42B050L (50A)	Q270 (70A)	60 amps
25.0	ED42B090L (90A)	Q2125 (125A)	100 amps



BOLT-IN BREAKERS
480 PRIMARY VOLTS — 240/120 SECONDARY VOLTS — 1Ø, 60 Hz

Single Phase

kVA	Catalog Number	Secondary Maximum Circuit ①		Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)
		120 V (1-pole)	240 V (2-pole)				
5.0	PT0B1150005LS	16	8	38.00 (96.5)	15.88 (40.3)	11.00 (27.9)	165 (74.8)
7.5	PT0B1150007LS	16	8	38.00 (96.5)	15.88 (40.3)	11.00 (27.9)	165 (74.8)
10.0	PT0B1150010LS	16	8	38.00 (96.5)	17.13 (43.5)	12.38 (31.4)	240 (108.8)
15.0	PT0B1150015LS	16	8	38.00 (96.5)	17.13 (43.5)	12.38 (31.4)	240 (109.0)
25.0	PT0B1150025LS	28	14	45.20 (114.8)	17.88 (45.4)	13.50 (34.3)	330 (150.0)

① The number of secondary circuits shown is only a representation of circuits. Please contact the factory for exact number of secondary circuits available.

304 STAINLESS STEEL/ BOLT-IN BREAKERS
480 PRIMARY VOLTS — 240/120 SECONDARY VOLTS — 1Ø, 60 Hz

Single Phase

kVA	Catalog Number	Secondary Maximum Circuit ①		Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)
		120 V (1-pole)	240 V (2-pole)				
5.0	PT0B1150005SS	16	8	38.00 (96.5)	15.88 (40.3)	11.00 (27.9)	165 (74.8)
7.5	PT0B1150007SS	16	8	38.00 (96.5)	15.88 (40.3)	11.00 (27.9)	165 (74.8)
10.0	PT0B1150010SS	16	8	34.38 (87.3)	17.13 (43.5)	12.38 (31.4)	240 (108.8)
15.0	PT0B1150015SS	16	8	34.38 (87.3)	17.13 (43.5)	12.38 (31.4)	240 (109.0)
25.0	PT0B1150025SS	28	14	41.88 (106.4)	17.88 (45.4)	13.50 (34.3)	330 (150.0)

① The number of secondary circuits shown is only a representation of circuits. Please contact the factory for exact number of secondary circuits available.

BOLT-IN BREAKERS
480 VOLTS to 240/120 VOLTS

Circuit Breaker Data

kVA	480 Volts primary breakers	240/120 Volts secondary main	Maximum Rating of Secondary Breakers
5.0	ED42B025L (25A)	B230H (30A)	20 amps
7.5	ED42B025L (25A)	B240H (40A)	30 amps
10.0	ED42B035L (35A)	B250H (50A)	40 amps
15.0	ED42B050L (50A)	B270H (70A)	60 amps
25.0	ED42B090L (90A)	B2125 (125A)	100 amps



SNAP-IN BREAKERS
480 DELTA PRIMARY VOLTS — 208Y/120 SECONDARY VOLTS — 3Ø, 60 Hz

Three Phase

kVA	Catalog Number	Secondary Maximum Circuit ①		Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)
		10 120 V (1-pole)	30 208 V (3-pole)				
9.0	PTBA3150009LS	12	4	33.75 (85.7)	22.13 (56.2)	7.63 (19.4)	255 (116.0)
15.0	PTBA3150015LS	12	4	35.13 (89.2)	22.13 (56.2)	12.38 (31.4)	385 (175.0)
22.5	PTBA3150022LS	18	6	38.25 (97.2)	30.25 (76.8)	13.38 (34.0)	535 (243.0)
30.0	PTBA3150030LS	24	8	43.75 (111.1)	33.00 (83.8)	13.75 (34.9)	680 (308.0)

① The number of secondary circuits shown is only a representation of circuits. Please contact the factory for exact number of secondary circuits available.

304 STAINLESS STEEL/ SNAP-IN BREAKERS
480 DELTA PRIMARY VOLTS — 208Y/120 SECONDARY VOLTS — 3Ø, 60 Hz

Three Phase

kVA	Catalog Number	Secondary Maximum Current Output ①		Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)
		120 V (1-pole)	208 V (3-pole)				
9.0	PTBA3150009SS	12	4	33.75 (85.7)	22.13 (56.2)	7.63 (19.4)	255 (116.0)
15.0	PTBA3150015SS	12	4	35.13 (89.2)	22.13 (56.2)	12.38 (31.4)	385 (175.0)
22.5	PTBA3150022SS	18	6	38.25 (97.2)	30.25 (76.8)	13.38 (34.0)	535 (243.0)
30.0	PTBA3150030SS	24	8	43.75 (111.1)	33.00 (83.8)	13.75 (34.9)	680 (308.0)

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SNAP-IN BREAKERS
480 VOLTS DELTA to 208Y/120 VOLTS Circuit Breaker Data

kVA	480 Volts primary breakers	208Y/120 Volts secondary main	Maximum Rating of Secondary Breakers
9.0	ED43B025L (25A)	Q330 (30A)	25 amps
15.0	ED43B040L (40A)	Q350 (50A)	40 amps
22.5	ED43B070L (70A)	Q370 (70A)	60 amps
30.0	ED43B090L (90A)	Q3100 (100A)	80 amps



BOLT-IN BREAKERS
480 DELTA PRIMARY VOLTS — 208Y/120 SECONDARY VOLTS — 3Ø, 60 Hz

Three Phase

kVA	Catalog Number	Secondary Maximum Circuit ①		Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)
		10 120 V (1-pole)	30 208 V (3-pole)				
9.0	PTBB3150009LS	15	7	33.75 (85.7)	22.13 (56.2)	7.63 (19.4)	255 (116.0)
15.0	PTBB3150015LS	15	7	35.13 (89.2)	22.13 (56.2)	12.38 (31.4)	385 (175.0)
22.5	PTBB3150022LS	27	13	43.75 (111.1)	33.00 (83.8)	13.38 (34.0)	680 (308.0)
30.0	PTBB3150030LS	27	13	43.75 (111.1)	33.00 (83.8)	13.75 (34.9)	680 (308.0)

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304 STAINLESS STEEL/ BOLT-IN BREAKERS
480 DELTA PRIMARY VOLTS — 208Y/120 SECONDARY VOLTS — 3Ø, 60 Hz

Three Phase

kVA	Catalog Number	Secondary Maximum Current Output ①		Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)
		120 V (1-pole)	208 V (3-pole)				
9.0	PTBB3150009SS	15	7	33.75 (85.7)	22.13 (56.2)	7.63 (19.4)	255 (116.0)
15.0	PTBB3150015SS	15	7	35.13 (89.2)	22.13 (56.2)	12.38 (31.4)	385 (175.0)
22.5	PTBB3150022SS	27	13	43.75 (111.1)	33.00 (83.8)	13.75 (34.9)	535 (243.0)
30.0	PTBB3150030SS	27	13	43.75 (111.1)	33.00 (83.8)	13.75 (34.9)	680 (308.0)

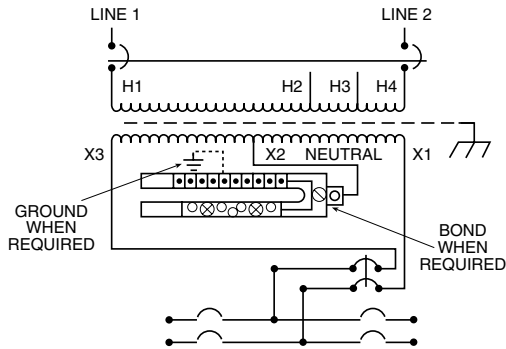
① The number of secondary circuits shown is only a representation of circuits. Please contact the factory for exact number of secondary circuits available.

BOLT-IN BREAKERS
480 VOLTS DELTA to 208Y/120 VOLTS Circuit Breaker Data

kVA	480 Volts primary breakers	208Y/120 Volts secondary main	Maximum Rating of Secondary Breakers
9.0	ED43B025L (25A)	B330H (30A)	25 amps
15.0	ED43B040L (40A)	B350H (50A)	40 amps
22.5	ED43B070L (70A)	B370H (70A)	60 amps
30.0	ED43B090L (90A)	B3100 (100A)	80 amps

PANEL-TRANS® ZONE POWER CENTERS WIRING DIAGRAMS — SINGLE PHASE

Wiring Diagram 1Ø 5-25 kVA



PANEL-TRANS® ZONE POWER CENTERS WIRING DIAGRAMS — THREE PHASE

