

ISO 9001
KOHLER
POWER SYSTEMS
NATIONALLY REGISTERED



Style 6 with 2 Circuit Breakers

Power Distribution Switchboards and Circuit Breakers

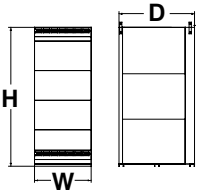
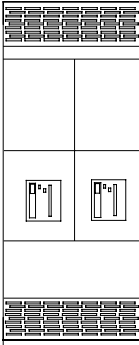
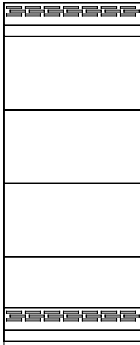
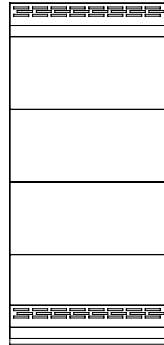

The generator paralleling circuit breakers for the Kohler® Decision-Maker Paralleling System (DPS) can be mounted on the generator sets or in the Kohler distribution switchboard. Switchboards are available in 15 different styles to suit your application.

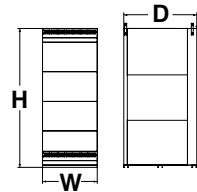
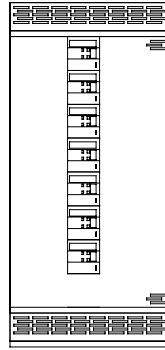
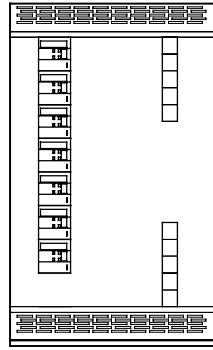
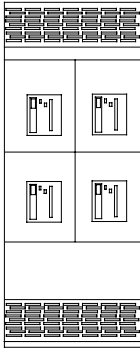
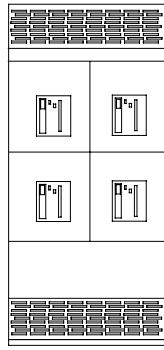
Standard Features

- UL891 listed
- 250-5000 amp circuit breakers, 100% rated
- Electrically or manually operated circuit breakers
- Fixed mount breakers
- Circuit breakers include type C auxiliary contacts and 1 type C SDE overcurrent switch contact. See pages 7 and 8 for more information.
- Interrupting rating 65 kAIC or 100 kAIC
- Silver-plated copper bus
- Bus ratings 2000 through 5000 amps
- NEMA Type 1 or Type 3R enclosures
- Paint color ANSI 49 Gray

Switchboards

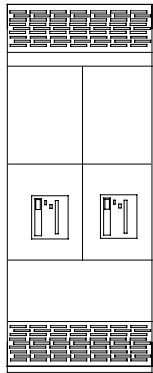
NEMA 1 enclosures are shown. NEMA 3R enclosures have an additional door on the front.

				
Style	2	3	4	5
Bus rating, Amps	3000	3000	4000	5000
Breaker type	NT	Load Take-Off Section	Load Take-Off Section	Load Take-Off Section
Breaker mounting	Fixed	N/A	N/A	N/A
Breaker size, Amps	1200	N/A	N/A	N/A
Breaker qty, Max.	2, included	None	None	None
Breaker operation	Electric	N/A	N/A	N/A
Reference drawing	ADV-7721	ADV-7721	ADV-7722	ADV-7723
NEMA 1 H x W x D, mm (in.) Ship Weight, kg (lbs.)	2324 x 914 x 1219 (91.5 x 36 x 48) 365 (805)	2324 x 914 x 1219 (91.5 x 36 x 48) 435 (960)	2324 x 1067 x 1219 (91.5 x 42 x 48) 415 (915)	2324 x 1219 x 1372 (91.5 x 48 x 54) 472 (1040)
NEMA 3R * H x W x D, mm (in.) Ship Weight, kg (lbs.)	2324 x 914 x 1511 (91.5 x 36 x 59.5) 456 (1005)	2324 x 914 x 1511 (91.5 x 36 x 59.5) 526 (1160)	2324 x 1067 x 1511 (91.5 x 42 x 59.5) 506 (1115)	2324 x 1219 x 1664 (91.5 x 48 x 65.5) 562 (1240)
* NEMA 3R depth dimension D is at the base and does not include the drip edges, door, or clearance to open the door.				

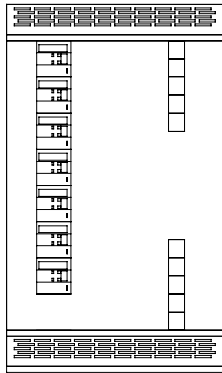
				
Style	6	7	8	9
Bus rating, Amps	2000	3000	3000	4000
Breaker type	P	P	NT	NT
Breaker mounting	I-Line, 2000 Amps	I-Line, 3000 Amps	Fixed	Fixed
Breaker size, Amps	250-800	250-800	1200	1200
Breaker qty, Max.	7, not included	7, not included	4, not included	4, not included
Breaker operation	Electric or Manual	Electric or Manual	Electric	Electric
Reference drawing	ADV-7720	ADV-7721	ADV-7721	ADV-7722
NEMA 1 H x W x D, mm (in.) Ship Weight, kg (lbs.)	2324 x 1067 x 914 (91.5 x 42 x 36) 755 (1665)	2324 x 1372 x 1219 (91.5 x 54 x 48) 860 (1895)	2324 x 914 x 1219 (91.5 x 36 x 48) 365 (805)	2324 x 1067 x 1219 (91.5 x 42 x 48) 365 (805)
NEMA 3R * H x W x D, mm (in.) Ship Weight, kg (lbs.)	2324 x 1067 x 1207 (91.5 x 42 x 47.5) 846 (1865)	2324 x 1372 x 1511 (91.5 x 54 x 59.5) 950 (2095)	2324 x 914 x 1511 (91.5 x 36 x 59.5) 456 (1005)	2324 x 1067 x 1511 (91.5 x 42 x 59.5) 456 (1005)
* NEMA 3R depth dimension D is at the base and does not include the drip edges, door, or clearance to open the door.				

Style	10	11	12	13
Bus rating, Amps	5000	5000	4000	3000
Breaker type	NT	P	P	RL
Breaker mounting	Fixed	I-Line, 3000 Amps	I-Line, 3000 Amps	Fixed
Breaker size, Amps	1200	250-800	250-800	1600
Breaker qty, Max.	4, not included	7, not included	7, not included	1, included
Breaker operation	Electric	Electric or Manual	Electric or Manual	Manual
Reference drawing	ADV-7723	ADV-7723	ADV-7722	ADV-7721
NEMA 1 H x W x D, mm (in.) Ship Weight, kg (lbs.)	2324 x 1067 x 1372 (91.5 x 42 x 54) 365 (805)	2324 x 1372 x 1372 (91.5 x 54 x 54) 937 (2065)	2324 x 1372 x 1219 (91.5 x 54 x 48) 916 (2020)	2324 x 914 x 1219 (91.5 x 36 x 48) 365 (805)
NEMA 3R * H x W x D, mm (in.) Ship Weight, kg (lbs.)	2324 x 1067 x 1664 (91.5 x 42 x 65.5) 456 (1005)	2324 x 1372 x 1664 (91.5 x 54 x 65.5) 1027 (2265)	2324 x 1372 x 1511 (91.5 x 54 x 59.5) 1007 (2220)	2324 x 914 x 1511 (91.5 x 36 x 59.5) 456 (1005)
* NEMA 3R depth dimension D is at the base and does not include the drip edges, door, or clearance to open the door.				

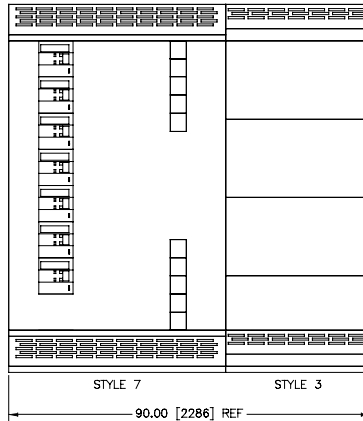
Style	14	15	16
Bus rating, Amps	3000	4000	5000
Breaker type	NW	NW	NW
Breaker mounting	Fixed	Fixed	Fixed
Breaker size, Amps	3000	4000	5000
Breaker qty, Max.	1, included	1, included	1, included
Breaker operation	Manual	Manual	Manual
Reference drawing	ADV-7721	ADV-7722	ADV-7723
NEMA 1 H x W x D, mm (in.) Ship Weight, kg (lbs.)	2324 x 914 x 1219 (91.5 x 36 x 48) 433 (955)	2324 x 1067 x 1219 (91.5 x 42 x 48) 433 (955)	2324 x 1219 x 1372 (91.5 x 48 x 54) 433 (955)
NEMA 3R * H x W x D, mm (in.) Ship Weight, kg (lbs.)	2324 x 914 x 1511 (91.5 x 36 x 59.5) 524 (1155)	2324 x 1067 x 1511 (91.5 x 42 x 59.5) 524 (1155)	2324 x 1219 x 1664 (91.5 x 48 x 65.5) 524 (1155)
* NEMA 3R depth dimension D is at the base and does not include the drip edges, door, or clearance to open the door.			



STYLE 2



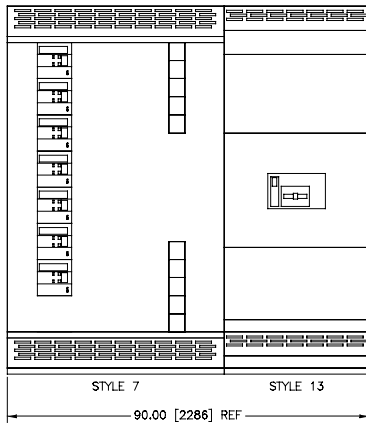
STYLE 7



STYLE 7

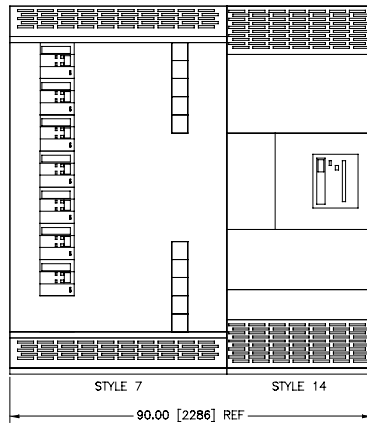
STYLE 3

NOTE: COMBINATIONS CAN BE ASSEMBLED WITH EITHER SECTION ON EITHER SIDE.



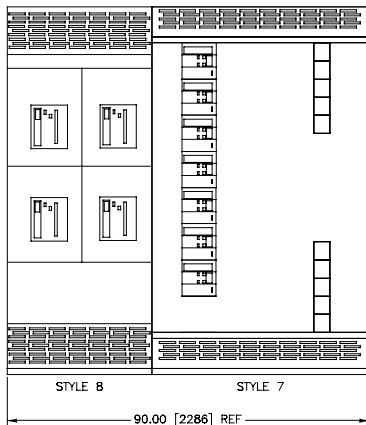
STYLE 7

STYLE 13



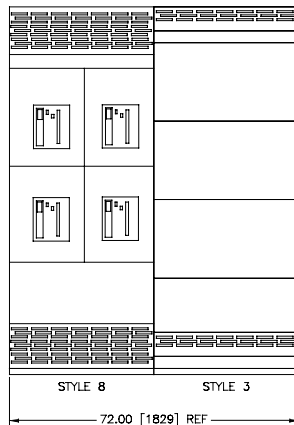
STYLE 7

STYLE 14



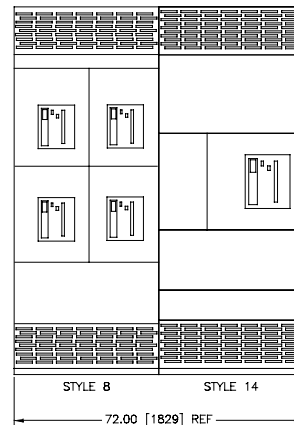
STYLE 8

STYLE 7



STYLE 8

STYLE 3

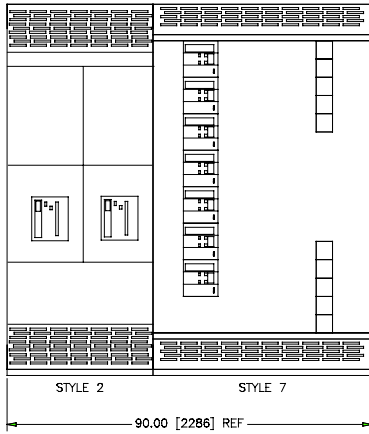
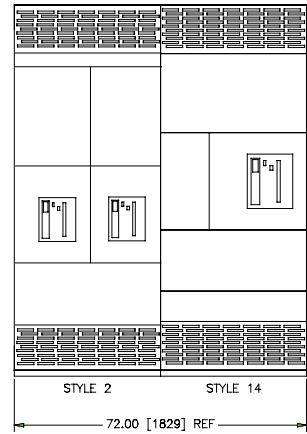
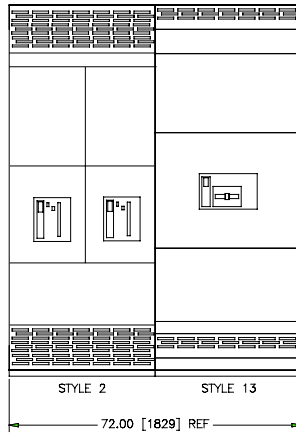
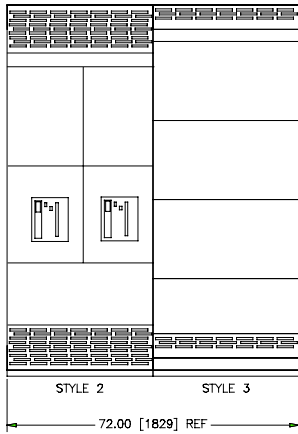


STYLE 8

STYLE 14

Note: Dimensions are shown as in. (mm).

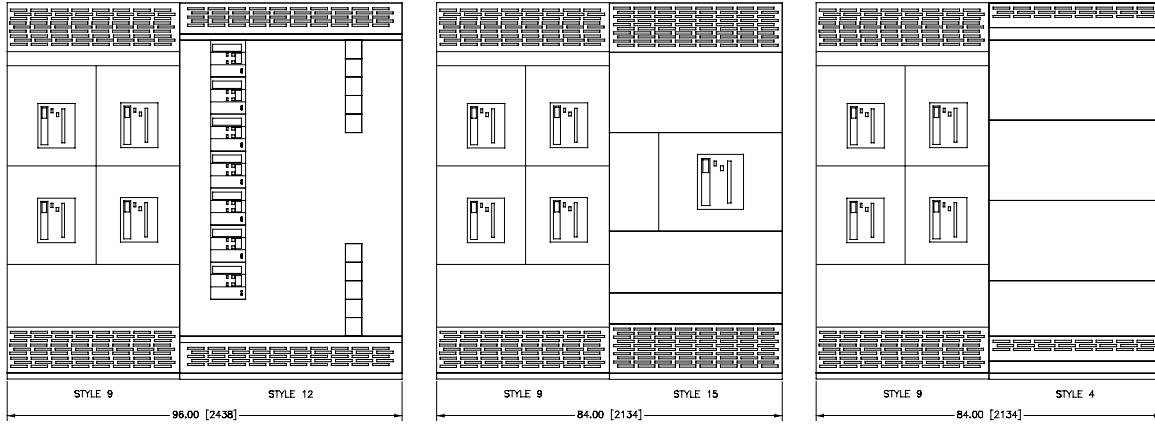
SECTION COMBINATIONS, 3000 AMP BUS
NEMA 1 ENCLOSURES SHOWN



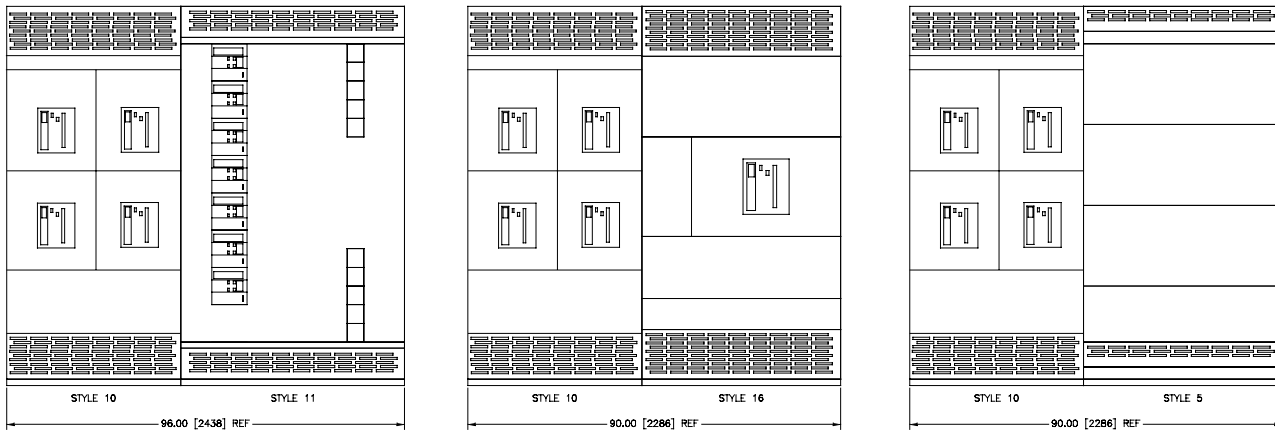
Note: Dimensions are shown as in. (mm).

NOTE: COMBINATIONS CAN BE ASSEMBLED WITH EITHER SECTION ON EITHER SIDE.

**SECTION COMBINATIONS, 3000 AMP BUS
NEMA 1 ENCLOSURES SHOWN**



SECTION COMBINATIONS, 4000 AMP BUS
NEMA 1 ENCLOSURES SHOWN



Note: Dimensions are shown as in. (mm).

NOTE: COMBINATIONS CAN BE
ASSEMBLED WITH EITHER SECTION
ON EITHER SIDE.

SECTION COMBINATIONS, 5000 AMP BUS
NEMA 1 ENCLOSURES SHOWN

Circuit Breakers

Electrically Operated Circuit Breakers

I-Line P-Frame, 24 VDC Electrically Operated			
Amps	AIC@ 480V	Frame	Trip Unit
250	65 kA	PJ	3.0 LI
			5.0 LSI
	100 kA	PL	3.0 LI
			5.0 LSI
400	65 kA	PJ	3.0 LI
			5.0 LSI
	100 kA	PL	3.0 LI
			5.0 LSI
600	65 kA	PJ	3.0 LI
			5.0 LSI
	100 kA	PL	3.0 LI
			5.0 LSI
800	65 kA	PJ	3.0 LI
			5.0 LSI
	100 kA	PL	3.0 LI
			5.0 LSI

All I-line circuit breakers are 100% rated with 24 VDC motor operators, 2 type C auxiliary contacts, and 1 type C SDE overcurrent switch contact.
AIC = Interrupt rating.

Fixed-Mount NT-Frame, 24 VDC Electrically Operated			
Amps	AIC@ 480V	Frame	Trip Unit
1200	65 kA	NT	3.0 LI
			5.0 LSI
	100 kA	NT	3.0 LI
			5.0 LSI

All NT circuit breakers are fixed mount, 100% rated with 24VDC motor operators, 4 type C auxiliary contacts, and 1 type C SDE overcurrent switch contact.
AIC = Interrupt rating.

Generator-Mounted Electrically Operated Breakers

Generator-Mounted P-Frame, 24VDC Electrically Operated					
Gen. Set kW	Alt. Model	Amps	AIC@480V	Trip Unit	Frame
100-180	4S, 4V	250-800	65 kA	3.0 LI	PJ
			65 kA	5.0 LSI	PJ
			100 kA	3.0 LI	PL
			100 kA	5.0 LSI	PL
200-300	4UA	250-1200	65 kA	3.0 LI	PJ
			65 kA	5.0 LSI	PJ
			100 kA	3.0 LI	PL
			100 kA	5.0 LSI	PL
350-750	4M, 5M*	250-1200	65 kA	3.0 LI	PJ
			65 kA	5.0 LSI	PJ
			100 kA	3.0 LI	PL
			100 kA	5.0 LSI	PL

* Lead units 4M and 5M except 5M4044, extension box style 2 (small extension box).

All P-frame circuit breakers listed in this table include line side bus and load side lugs, All are 100% rated with 24VDC motor operators, 2 type C auxiliary contacts, and 1 type C SDE overcurrent switch contact.
AIC = Interrupt rating.

Circuit Breakers, Continued

Manually Operated Circuit Breakers

I-Line P-Frame, Manually Operated			
Amps	AIC@ 480V	Frame	Trip Unit
250	65 kA	PJ	3.0 LI
			5.0 LSI
	100 kA	PL	3.0 LI
			5.0 LSI
400	65 kA	PJ	3.0 LI
			5.0 LSI
	100 kA	PL	3.0 LI
			5.0 LSI
600	65 kA	PJ	3.0 LI
			5.0 LSI
	100 kA	PL	3.0 LI
			5.0 LSI
800	65 kA	PJ	3.0 LI
			5.0 LSI
	100 kA	PL	3.0 LI
			5.0 LSI

All I-line circuit breakers are 100% rated with 2 type C auxiliary contacts and 1 type C SDE overcurrent switch contact.
 AIC = Interrupt rating.

Fixed-Mount, Manually Operated			
Amps	AIC@ 480V	Frame	Trip Unit
1600	100 kA	RL	5.0 LSI
3000	100 kA	NW	5.0 LSI
4000	100 kA	NW	5.0 LSI
5000	100 kA	NW	5.0 LSI

Circuit breakers are fixed mount, 100% rated.
 RL circuit breakers have 2 type C auxiliary contacts and 1 type C SDE overcurrent switch contact. RL breakers are included in style 13 switchboards.
 NW circuit breakers have 4 type C auxiliary contacts and 1 type C SDE overcurrent switch contact. NW breakers are included in style 14, 15, and 16 switchboards.
 AIC = Interrupt rating.

Circuit Breaker Lugs Per Phase (Al/Cu)

Frame	Ampere Range	Wire Range, Al/Cu
P	250-800	(3) 3/0-500 kcmil
	1000-1200	
NT	1200	(4) 3/0-700 kcmil
RL	1600	(5) 3/0-750 kcmil
NW	3000	(9) 3/0-750 kcmil
	4000	(12) 3/0-750 kcmil
	5000	(15) 3/0-750 kcmil

Circuit Breaker Trip Units

Circuit Breaker Trip Unit Features	3.0 LI	5.0 LSI
Long and instantaneous trip settings	X	
Long, short, and instantaneous trip settings		X
True RMS sensing	X	X
Instantaneous OFF		X
LED - long time pickup	X	X
Thermal imaging	X	X

Accessories

- IBC Seismic Certification
- Lug Kits

Lug kits are available for I-line sub-feed applications. A lug kit fits in the same space as an I-line circuit breaker and provides connection points for incoming cables.

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