

Numbering System

PDA9T9R9 22 10 is a 2200 Volt, Air Cooled Doubler Assembly.



(1,2) Circuit Code:

- Rectifier
- SCR
- Half-Control
- Full-Control

PA (AC Switch)

Powerex supplies the sink jumper (AC connection) on the PA air cooled assembly types only.



PC (Positive Centertap – Common Cathode Connection)



PD (Doubler Assemblies)

Remember to check the number of assemblies required for your circuit configuration.



PN (Negative Centertap – Common Anode Connection)



PP (Parallel Connection)

Connections available as Special Purpose Assemblies with selected device matching negotiated with Powerex application engineers.



- Rectifier
- SCR
- Half-Control
- Full-Control

PR (Single Assemblies)

Remember to check the number of assemblies required for your circuit configuration.



PS (Series Connection)

Connections available as Special Purpose Assemblies with the following options: device selection and matching; chill blocks and fittings (targets); disc clamp designs with additional spring deflection and additional voltage capabilities, corona (CIV, CEV) and Hipot testing, balancing capacitors, resistors.



PT (Single Assemblies)

Remember to check the number of assemblies required for your circuit configuration.



(3,4) Sink Code: Customer Specific

(5,6,7,8) Device Code: Application Specific

(9,10) Voltage Code:

- 02 = 200
- 04 = 400
- 06 = 600
- 08 = 800
- 10 = 1000
- 12 = 1200
- 14 = 1400
- 16 = 1600
- 18 = 1800
- 20 = 2000
- 22 = 2200
- 24 = 2400
- 26 = 2600
- 28 = 2800
- 30 = 3000

(11,12) Current Code: Customer Specific

Three-Phase AC Switch Discs, Hockey Puks

Part Number	Voltage	Output Current Arms Amperes	Package Size (inches)	Quantity for 3-Phase	Ambient Temperature (°C)	Inlet Air Velocity (LFM)	Approximate Weight		Outline Drawings	
							(lbs)	(kgs)	Number	Page
PAA6T6200620	600	400	13.125 x 5.75 x 5.75	3	50	1000	12.8	5.8	1	J-12
PAA6T6201220	1200	400	13.125 x 5.75 x 5.75	3	50	1000	12.8	5.8	1	J-12
PAA6T6201620	1600	400	13.125 x 5.75 x 5.75	3	50	1000	12.8	5.8	1	J-12
PAA7T7200645	600	600	13.125 x 5.625 x 6.25	3	50	1000	13.7	6.2	2	J-12
PAA7T7201245	1200	600	13.125 x 5.625 x 6.25	3	50	1000	13.7	6.2	2	J-12
PAA7T7201645	1600	600	13.125 x 5.625 x 6.25	3	50	1000	13.7	6.2	2	J-12
PAA7T7200655	600	700	13.125 x 5.625 x 6.25	3	50	1000	13.7	6.2	2	J-12
PAA7T7201255	1200	700	13.125 x 5.625 x 6.25	3	50	1000	13.7	6.2	2	J-12
PAA7T7201655	1600	700	13.125 x 5.625 x 6.25	3	50	1000	13.7	6.2	2	J-12
PAA7T7S00675	600	800	13.125 x 5.625 x 5.80	3	50	1000	12.8	5.8	3	J-13
PAA7T7S01275	1200	800	13.125 x 5.625 x 5.80	3	50	1000	12.8	5.8	3	J-13
PAA7T7S01675	1600	800	13.125 x 5.625 x 5.80	3	50	1000	12.8	5.8	3	J-13
PAA9T9G00610	600	1350	17.125 x 9.938 x 6.44	3	50	1000	45.0	20.4	4	J-13
PAA9T9G01210	1200	1350	17.125 x 9.938 x 6.44	3	50	1000	45.0	20.4	4	J-13
PAA9T9G01610	1600	1350	17.125 x 9.938 x 6.44	3	50	1000	45.0	20.4	4	J-13
PAA9T9G00612	600	1700	17.125 x 9.938 x 6.44	3	50	1000	45.0	20.4	4	J-13
PAA9T9G01212	1200	1700	17.125 x 9.938 x 6.44	3	50	1000	45.0	20.4	4	J-13
PAA9T9G01612	1600	1700	17.125 x 9.938 x 6.44	3	50	1000	45.0	20.4	4	J-13
PAAATA200616	600	2100	21.12 x 12.69 x 7.84	3	50	1000	86.4	39.2	5	J-14
PAAATA201216	1200	2100	21.12 x 12.69 x 7.84	3	50	1000	86.4	39.2	5	J-14
PAAATA201616	1600	2100	21.12 x 12.69 x 7.84	3	50	1000	86.4	39.2	5	J-14
PAAATA200618	600	2500	21.12 x 12.69 x 7.84	3	50	1000	86.4	39.2	5	J-14
PAAATA201218	1200	2500	21.12 x 12.69 x 7.84	3	50	1000	86.4	39.2	5	J-14
PAAATA201618	1600	2500	21.12 x 12.69 x 7.84	3	50	1000	86.4	39.2	5	J-14



Single Phase Assembly –
3 Required for Three-Phase Circuit

Three-Phase AC Switch

Isolated Modules

Part Number	Voltage	Output Current A _{rms} Amperes	Package Size (inches)	Quantity for 3-Phase	Ambient Temperature (°C)	Inlet Air Velocity (LFM)	Approximate Weight		Outline Drawings	
							(lbs)	(kgs)	Number	Page
PAB1CD430890	600	100	6.00 x 4.92 x 7.00	1	50	800	6.8	3.1	6	J-14
PAB1CD431290	1200	100	6.00 x 4.92 x 7.00	1	50	800	6.8	3.1	6	J-14
PAB1CD431690	1600	100	6.00 x 4.92 x 7.00	1	50	800	6.8	3.1	6	J-14
PAB2CD630815	600	150	9.00 x 4.92 x 7.00	1	50	800	11.0	5.0	8	J-15
PAB2CD631215	1200	150	9.00 x 4.92 x 7.00	1	50	800	11.0	5.0	8	J-15
PAB2CD631615	1600	150	9.00 x 4.92 x 7.00	1	50	800	11.0	5.0	8	J-15
PAB3ND430825	600	200	12.00 x 4.92 x 8.00	1	50	800	18.75	8.5	10	J-16
PAB3ND431225	1200	200	12.00 x 4.92 x 8.00	1	50	800	18.75	8.5	10	J-16
PAB3ND431625	1600	200	12.00 x 4.92 x 8.00	1	50	800	18.75	8.5	10	J-16
PAB2LD430850	600	300	9.00 x 4.92 x 8.00	3	50	800	12.5	5.6	12	J-16
PAB2LD431250	1200	300	9.00 x 4.92 x 8.00	3	50	800	12.5	5.6	12	J-16
PAB2LD431650	1600	300	9.00 x 4.92 x 8.00	3	50	800	12.5	5.6	12	J-16

PAB1CD430890, PAB1CD431290, PAB1CD431690,
PAB2CD630815, PAB2CD631215, PAB2CD631615,
PAB3ND430825, PAB3ND431225, PAB3ND431625

PAB2LD430850, PAB2LD431250, PAB2LD431650



Single Phase Assembly –
3 Required for Three-Phase Circuit

Three-Phase DC Rectifier Discs, Hockey Puks

Part Number	Voltage	Output Current Apc Amperes	Package Size (inches)	Quantity for 3-Phase	Ambient Temperature (°C)	Inlet Air Velocity (LFM)	Approximate Weight		Outline Drawings	
							(lbs)	(kgs)	Number	Page
PDA6R6200630	600	850	13.125 x 5.75 x 5.75	3	50	1000	12.8	5.8	1	J-12
PDA6R6201230	1200	850	13.125 x 5.75 x 5.75	3	50	1000	12.8	5.8	1	J-12
PDA6R6201630	1600	850	13.125 x 5.75 x 5.75	3	50	1000	12.8	5.8	1	J-12
PDA7R7S00608	600	1200	13.125 x 5.625 x 5.80	3	50	1000	12.8	5.8	3	J-13
PDA7R7S01208	1200	1200	13.125 x 5.625 x 5.80	3	50	1000	12.8	5.8	3	J-13
PDA7R7S01608	1600	1200	13.125 x 5.625 x 5.80	3	50	1000	12.8	5.8	3	J-13
PDA7R7S00612	600	1650	13.125 x 5.625 x 5.80	3	50	1000	12.8	5.8	3	J-13
PDA7R7S01212	1200	1650	13.125 x 5.625 x 5.80	3	50	1000	12.8	5.8	3	J-13
PDA7R7S01612	1600	1650	13.125 x 5.625 x 5.80	3	50	1000	12.8	5.8	3	J-13
PDA7R7S00616	600	2450	13.125 x 5.625 x 5.80	3	50	1000	12.8	5.8	3	J-13
PDA7R7S01216	1200	2450	13.125 x 5.625 x 5.80	3	50	1000	12.8	5.8	3	J-13
PDA7R7S01616	1600	2450	13.125 x 5.625 x 5.80	3	50	1000	12.8	5.8	3	J-13
PDA9R9G00612	600	2700	17.125 x 9.938 x 6.44	3	50	1000	45.0	20.4	4	J-13
PDA9R9G01212	1200	2700	17.125 x 9.938 x 6.44	3	50	1000	45.0	20.4	4	J-13
PDA9R9G01612	1600	2700	17.125 x 9.938 x 6.44	3	50	1000	45.0	20.4	4	J-13
PDA9R9G00618	600	3300	17.125 x 9.938 x 6.44	3	50	1000	45.0	20.4	4	J-13
PDA9R9G01218	1200	3300	17.125 x 9.938 x 6.44	3	50	1000	45.0	20.4	4	J-13
PDA9R9G01618	1600	3300	17.125 x 9.938 x 6.44	3	50	1000	45.0	20.4	4	J-13
PDA9R9G00622	600	4500	17.125 x 9.938 x 6.44	3	50	1000	45.0	20.4	4	J-13
PDA9R9G01222	1200	4500	17.125 x 9.938 x 6.44	3	50	1000	45.0	20.4	4	J-13
PDA9R9G01622	1600	4500	17.125 x 9.938 x 6.44	3	50	1000	45.0	20.4	4	J-13
PDAARA200636	600	5800	21.12 x 12.69 x 7.84	3	50	1000	86.4	39.2	5	J-14
PDAARA201236	1200	5800	21.12 x 12.69 x 7.84	3	50	1000	86.4	39.2	5	J-14
PDAARA201636	1600	5800	21.12 x 12.69 x 7.84	3	50	1000	86.4	39.2	5	J-14



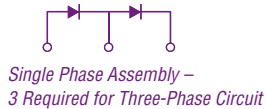
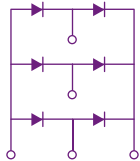
Single Phase Assembly –
3 Required for Three-Phase Circuit

Three-Phase DC Rectifier Isolated Modules

Part Number	Voltage	Output Current A _{DC} Amperes	Package Size (inches)	Quantity for 3-Phase	Ambient Temperature (°C)	Inlet Air Velocity (LFM)	Approximate Weight		Outline Drawings	
							(lbs)	(kgs)	Number	Page
PDB1CD410899	600	150	6.00 x 4.92 x 7.00	1	50	800	6.8	3.1	7	J-15
PDB1CD411299	1200	150	6.00 x 4.92 x 7.00	1	50	800	6.8	3.1	7	J-15
PDB1CD411699	1600	150	6.00 x 4.92 x 7.00	1	50	800	6.8	3.1	7	J-15
PDB2CD610816	600	200	9.00 x 4.92 x 7.00	1	50	800	11.0	5.0	9	J-15
PDB2CD611216	1200	200	9.00 x 4.92 x 7.00	1	50	800	11.0	5.0	9	J-15
PDB2CD611616	1600	200	9.00 x 4.92 x 7.00	1	50	800	11.0	5.0	9	J-15
PDB3ND410626	600	300	15.00 x 4.92 x 8.00	1	50	800	18.75	8.5	11	J-16
PDB3ND411226	1200	300	15.00 x 4.92 x 8.00	1	50	800	18.75	8.5	11	J-16
PDB3ND411626	1600	300	15.00 x 4.92 x 8.00	1	50	800	18.75	8.5	11	J-16
PDB2LD410860	600	450	9.00 x 4.92 x 8.00	3	50	800	12.5	5.6	12	J-16
PDB2LD411260	1200	450	9.00 x 4.92 x 8.00	3	50	800	12.5	5.6	12	J-16
PDB2LD411660	1600	450	9.00 x 4.92 x 8.00	3	50	800	12.5	5.6	12	J-16

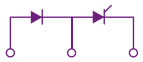
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PDB3ND410626, PDB3ND411226, PDB3ND411626

PDB2LD410860, PDB2LD411260, PDB2LD411660



Three-Phase Half Controlled Rectifier Discs, Hockey Pucks

Part Number	Voltage	Output Current Apc Amperes	Package Size (inches)	Quantity for 3-Phase	Ambient Temperature (°C)	Inlet Air Velocity (LFM)	Approximate Weight		Outline Drawings	
							(lbs)	(kgs)	Number	Page
PDA6T6R60620	600	500	13.125 x 5.75 x 5.75	3	50	1000	12.8	5.8	1	J-12
PDA6T6R61220	1200	500	13.125 x 5.75 x 5.75	3	50	1000	12.8	5.8	1	J-12
PDA6T6R61620	1600	500	13.125 x 5.75 x 5.75	3	50	1000	12.8	5.8	1	J-12
PDA6T6R60630	600	600	13.125 x 5.75 x 5.75	3	50	1000	12.8	5.8	1	J-12
PDA6T6R61230	1200	600	13.125 x 5.75 x 5.75	3	50	1000	12.8	5.8	1	J-12
PDA6T6R61630	1600	600	13.125 x 5.75 x 5.75	3	50	1000	12.8	5.8	1	J-12
PDA7T7R70645	600	800	13.125 x 5.625 x 6.25	3	50	1000	13.7	6.2	2	J-12
PDA7T7R71245	1200	800	13.125 x 5.625 x 6.25	3	50	1000	13.7	6.2	2	J-12
PDA7T7R71645	1600	800	13.125 x 5.625 x 6.25	3	50	1000	13.7	6.2	2	J-12
PDA7TSRS0665	600	950	13.125 x 5.625 x 5.80	3	50	1000	12.8	5.8	3	J-13
PDA7TSRS1265	1200	950	13.125 x 5.625 x 5.80	3	50	1000	12.8	5.8	3	J-13
PDA7TSRS1665	1600	950	13.125 x 5.625 x 5.80	3	50	1000	12.8	5.8	3	J-13
PDA7TSRS0675	600	1000	13.125 x 5.625 x 5.80	3	50	1000	12.8	5.8	3	J-13
PDA7TSRS1275	1200	1000	13.125 x 5.625 x 5.80	3	50	1000	12.8	5.8	3	J-13
PDA7TSRS1675	1600	1000	13.125 x 5.625 x 5.80	3	50	1000	12.8	5.8	3	J-13
PDA9T9R90610	600	1750	17.125 x 9.938 x 6.44	3	50	1000	45.0	20.4	4	J-13
PDA9T9R91210	1200	1750	17.125 x 9.938 x 6.44	3	50	1000	45.0	20.4	4	J-13
PDA9T9R91610	1600	1750	17.125 x 9.938 x 6.44	3	50	1000	45.0	20.4	4	J-13
PDA9T9R90612	600	2200	17.125 x 9.938 x 6.44	3	50	1000	45.0	20.4	4	J-13
PDA9T9R91212	1200	2200	17.125 x 9.938 x 6.44	3	50	1000	45.0	20.4	4	J-13
PDA9T9R91612	1600	2200	17.125 x 9.938 x 6.44	3	50	1000	45.0	20.4	4	J-13
PDAATARA0618	600	3300	21.12 x 12.69 x 7.84	3	50	1000	86.4	39.2	5	J-14
PDAATARA1218	1200	3300	21.12 x 12.69 x 7.84	3	50	1000	86.4	39.2	5	J-14
PDAATARA1618	1600	3300	21.12 x 12.69 x 7.84	3	50	1000	86.4	39.2	5	J-14



Single Phase Assembly –
3 Required for Three-Phase Circuit

Three-Phase Half Controlled Rectifier Isolated Modules

Part Number	Voltage	Output Current A _{DC} Amperes	Package Size (inches)	Quantity for 3-Phase	Ambient Temperature (°C)	Inlet Air Velocity (LFM)	Approximate Weight		Outline Drawings	
							(lbs)	(kgs)	Number	Page
PDB1CD420890	600	150	6.00 x 4.92 x 7.00	1	50	800	6.8	3.1	7	J-15
PDB1CD421290	1200	150	6.00 x 4.92 x 7.00	1	50	800	6.8	3.1	7	J-15
PDB1CD421690	1600	150	6.00 x 4.92 x 7.00	1	50	800	6.8	3.1	7	J-15
PDB2CD620815	600	200	9.00 x 4.92 x 7.00	1	50	800	11.0	5.0	9	J-15
PDB2CD621215	1200	200	9.00 x 4.92 x 7.00	1	50	800	11.0	5.0	9	J-15
PDB2CD621615	1600	200	9.00 x 4.92 x 7.00	1	50	800	11.0	5.0	9	J-15
PDB3ND420625	600	300	15.00 x 4.92 x 8.00	1	50	800	18.75	8.5	11	J-16
PDB3ND421225	1200	300	15.00 x 4.92 x 8.00	1	50	800	18.75	8.5	11	J-16
PDB3ND421625	1600	300	15.00 x 4.92 x 8.00	1	50	800	18.75	8.5	11	J-16
PDB2LD420850	600	450	9.00 x 4.92 x 8.00	3	50	800	12.5	5.6	12	J-16
PDB2LD421250	1200	450	9.00 x 4.92 x 8.00	3	50	800	12.5	5.6	12	J-16
PDB2LD421650	1600	450	9.00 x 4.92 x 8.00	3	50	800	12.5	5.6	12	J-16

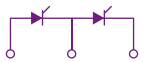
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PDB3ND420625, PDB3ND421225, PDB3ND421625

PDB2LD420850, PDB2LD421250, PDB2LD421650



Three-Phase Full Controlled Rectifier Discs, Hockey Puks

Part Number	Voltage	Output Current Apc Amperes	Package Size (inches)	Quantity for 3-Phase	Ambient Temperature (°C)	Inlet Air Velocity (LFM)	Approximate Weight		Outline Drawings	
							(lbs)	(kgs)	Number	Page
PDA6T6200620	600	500	13.125 x 5.75 x 5.75	3	50	1000	12.8	5.8	1	J-12
PDA6T6201220	1200	500	13.125 x 5.75 x 5.75	3	50	1000	12.8	5.8	1	J-12
PDA6T6201620	1600	500	13.125 x 5.75 x 5.75	3	50	1000	12.8	5.8	1	J-12
PDA6T6200630	600	600	13.125 x 5.75 x 5.75	3	50	1000	12.8	5.8	1	J-12
PDA6T6201230	1200	600	13.125 x 5.75 x 5.75	3	50	1000	12.8	5.8	1	J-12
PDA6T6201630	1600	600	13.125 x 5.75 x 5.75	3	50	1000	12.8	5.8	1	J-12
PDA7T7200645	600	800	13.125 x 5.625 x 6.25	3	50	1000	13.7	6.2	2	J-12
PDA7T7201245	1200	800	13.125 x 5.625 x 6.25	3	50	1000	13.7	6.2	2	J-12
PDA7T7201645	1600	800	13.125 x 5.625 x 6.25	3	50	1000	13.7	6.2	2	J-12
PDA7T7S00665	600	950	13.125 x 5.625 x 5.80	3	50	1000	12.8	5.8	3	J-13
PDA7T7S01265	1200	950	13.125 x 5.625 x 5.80	3	50	1000	12.8	5.8	3	J-13
PDA7T7S01665	1600	950	13.125 x 5.625 x 5.80	3	50	1000	12.8	5.8	3	J-13
PDA7T7S00675	600	1000	13.125 x 5.625 x 5.80	3	50	1000	12.8	5.8	3	J-13
PDA7T7S01275	1200	1000	13.125 x 5.625 x 5.80	3	50	1000	12.8	5.8	3	J-13
PDA7T7S01675	1600	1000	13.125 x 5.625 x 5.80	3	50	1000	12.8	5.8	3	J-13
PDA9T9G00610	600	1750	17.125 x 9.938 x 6.44	3	50	1000	45.0	20.4	4	J-13
PDA9T9G01210	1200	1750	17.125 x 9.938 x 6.44	3	50	1000	45.0	20.4	4	J-13
PDA9T9G01610	1600	1750	17.125 x 9.938 x 6.44	3	50	1000	45.0	20.4	4	J-13
PDA9T9G00612	600	2200	17.125 x 9.938 x 6.44	3	50	1000	45.0	20.4	4	J-13
PDA9T9G01212	1200	2200	17.125 x 9.938 x 6.44	3	50	1000	45.0	20.4	4	J-13
PDA9T9G01612	1600	2200	17.125 x 9.938 x 6.44	3	50	1000	45.0	20.4	4	J-13
PDAATA200618	600	3300	21.12 x 12.69 x 7.84	3	50	1000	86.4	39.2	5	J-14
PDAATA201218	1200	3300	21.12 x 12.69 x 7.84	3	50	1000	86.4	39.2	5	J-14
PDAATA201618	1600	3300	21.12 x 12.69 x 7.84	3	50	1000	86.4	39.2	5	J-14



Single Phase Assembly –
3 Required for Three-Phase Circuit

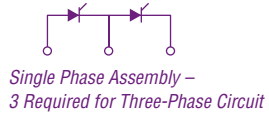
Three-Phase Full Controlled Rectifier Isolated Modules

Part Number	Voltage	Output Current A _{DC} Amperes	Package Size (inches)	Quantity for 3-Phase	Ambient Temperature (°C)	Inlet Air Velocity (LFM)	Approximate Weight		Outline Drawings	
							(lbs)	(kgs)	Number	Page
PDB1CD430890	600	150	6.00 x 4.92 x 7.00	1	50	800	6.8	3.1	7	J-15
PDB1CD431290	1200	150	6.00 x 4.92 x 7.00	1	50	800	6.8	3.1	7	J-15
PDB1CD431690	1600	150	6.00 x 4.92 x 7.00	1	50	800	6.8	3.1	7	J-15
PDB2CD630815	600	200	9.00 x 4.92 x 7.00	1	50	800	11.0	5.0	9	J-15
PDB2CD631215	1200	200	9.00 x 4.92 x 7.00	1	50	800	11.0	5.0	9	J-15
PDB2CD631615	1600	200	9.00 x 4.92 x 7.00	1	50	800	11.0	5.0	9	J-15
PDB3ND430625	600	300	15.00 x 4.92 x 8.00	1	50	800	18.75	8.5	11	J-16
PDB3ND431225	1200	300	15.00 x 4.92 x 8.00	1	50	800	18.75	8.5	11	J-16
PDB3ND431625	1600	300	15.00 x 4.92 x 8.00	1	50	800	18.75	8.5	11	J-16
PDB2LD430850	600	450	9.00 x 4.92 x 8.00	3	50	800	12.5	5.6	12	J-16
PDB2LD431250	1200	450	9.00 x 4.92 x 8.00	3	50	800	12.5	5.6	12	J-16
PDB2LD431650	1600	450	9.00 x 4.92 x 8.00	3	50	800	12.5	5.6	12	J-16

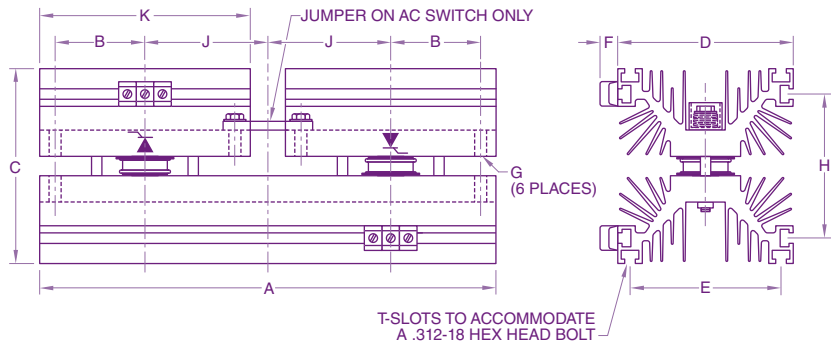
PDB1CD430890, PDB1CD431290, PDB1CD431690,
PDB2CD630815, PDB2CD631215, PDB2CD631615,
PDB3ND430625, PDB3ND431225, PDB3ND431625



PDB2LD430850, PDB2LD431250, PDB2LD431650

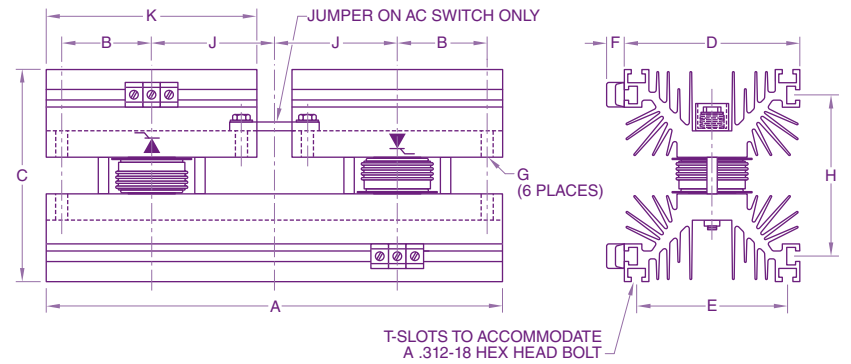


1 PAA6T6200620, PAA6T6201220, PAA6T6201620, PDA6R6200630, PDA6R6201230, PDA6R6201630, PDA6T6200620, PDA6T6200630, PDA6T6201220, PDA6T6201230, PDA6T6201620, PDA6T6201630, PDA6T6R60620, PDA6T6R60630, PDA6T6R61220, PDA6T6R61230, PDA6T6R61620, PDA6T6R61630



Dim.	Inches	Millimeters
A	13.06 Max.	331.72 Max.
B	2.56	65.0
C	5.60 Max.	142.24 Max.
D	5.06 Max.	128.52 Max.
E	4.25 Ref.	107.9 Ref.
F	0.5 Ref.	12.7 Ref.
G	0.344 Dia.	8.75 Dia.
H	4.10 Ref.	104.14 Ref.
J	3.5 Ref.	88.9 Ref.
K	6.0 Ref.	152.4 Ref.

2 PAA7T7200645, PAA7T7200655, PAA7T7201245, PAA7T7201255, PAA7T7201645, PAA7T7201655, PDA7T7200645, PDA7T7201245, PDA7T7201645, PDA7T7R70645, PDA7T7R71245, PDA7T7R71645



Dim.	Inches	Millimeters
A	13.06 Max.	331.72 Max.
B	2.56	65.0
C	6.06 Max.	153.92 Max.
D	5.06 Max.	128.52 Max.
E	4.25 Ref.	107.9 Ref.
F	0.5 Ref.	12.7 Ref.
G	0.344 Dia.	8.75 Dia.
H	4.59 Ref.	116.58 Ref.
J	3.5 Ref.	88.9 Ref.
K	6.0 Ref.	152.4 Ref.

3

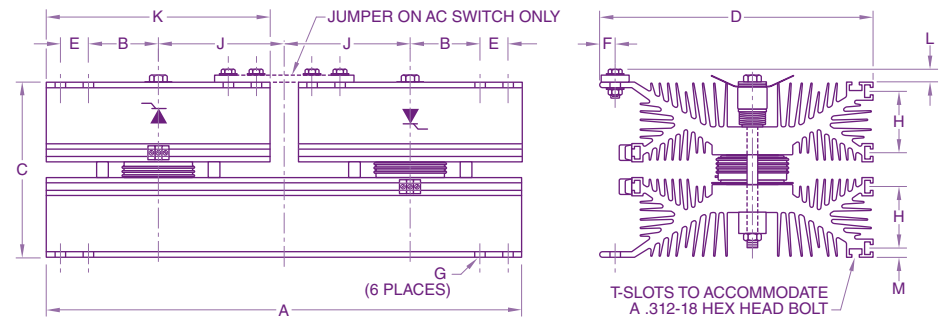
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Dim.	Inches	Millimeters
A	13.06 Max.	331.72 Max.
B	2.56	65.0
C	5.64 Max.	143.26 Max.
D	5.06 Max.	128.52 Max.
E	4.25 Ref.	107.9 Ref.
F	0.5 Ref.	12.7 Ref.
G	0.344 Dia.	8.75 Dia.
H	4.13 Ref.	104.9 Ref.
J	3.5 Ref.	88.9 Ref.
K	6.0 Ref.	152.4 Ref.

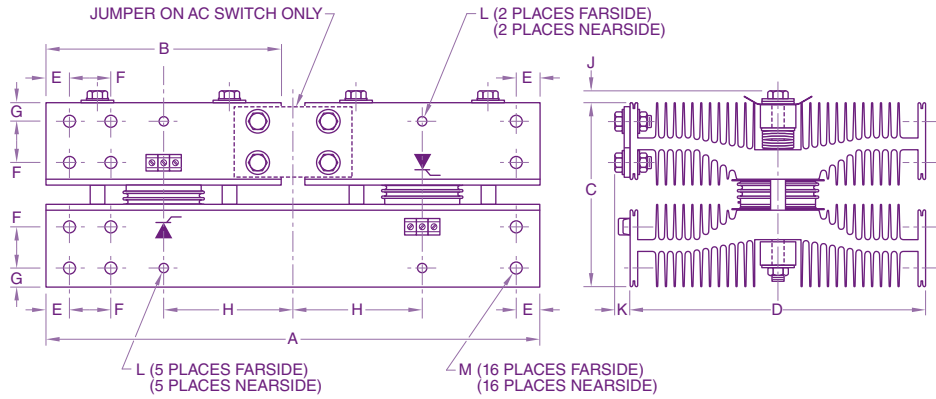
4

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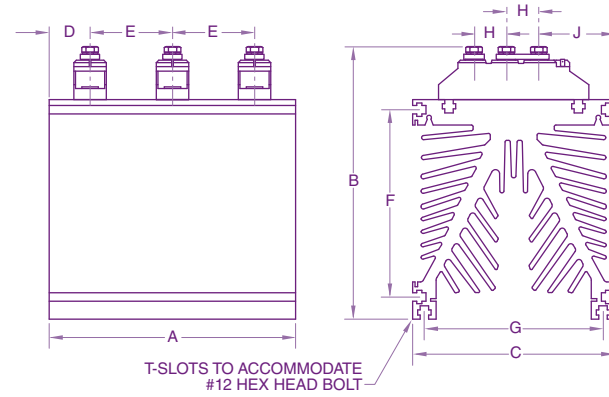
Dim.	Inches	Millimeters
A	17.06 Max.	433.32 Max.
B	2.5	63.5
C	6.3 Max.	160.02 Max.
D	9.86 Max.	250.95 Max.
E	1.0	25.4
F	0.75 Ref.	19.05 Ref.
G	0.375 Dia.	9.525 Dia.
H	2.16 Ref.	54.86 Ref.
J	4.5 Ref.	114.3 Ref.
K	8.0 Ref.	203.2 Ref.
L	0.5 Max.	12.7 Max.
M	0.33 Ref.	8.38 Ref.

5 PAAATA200616, PAAATA200618, PAAATA201216, PAAATA201218, PAAATA201616, PAAATA201618, PDAARA200636, PDAARA201236, PDAARA201636, PDAATARA0618, PDAATARA1218, PDAATARA1618, PDAATA200618, PDAATA201218, PDAATA201618



Dim.	Inches	Millimeters
A	21.06 Max.	534.92 Max.
B	10.0 Ref.	254.0 Ref.
C	7.89 Max.	200.4 Max.
D	12.69 Max.	322.33 Max.
E	1.0	25.4
F	1.75	44.45
G	0.81	20.57
H	5.50	139.7
J	0.58 Ref.	14.73 Ref.
K	0.65 Ref.	16.51 Ref.

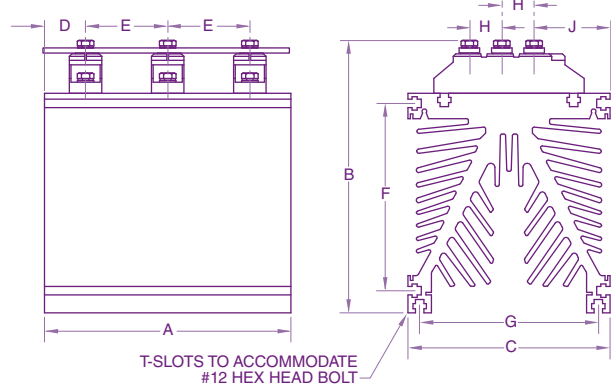
6 PAB1CD430890, PAB1CD431290, PAB1CD431690



Dim.	Inches	Millimeters
A	6.0	152.5
B	7.0 Max.	177.83 Max.
C	4.92 Max.	125.0 Max.
D	1.0	25.4
E	2.0	50.8
F	4.53	115.06
G	4.33	109.98
H	0.79	20.07
J	1.5	31.1

7

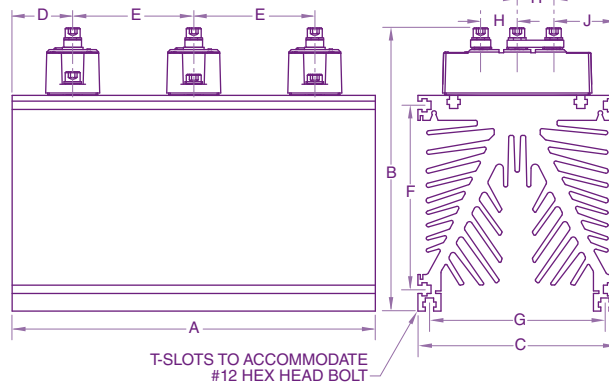
PDB1CD410899, PDB1CD411299, PDB1CD411699,
PDB1CD420890, PDB1CD421290, PDB1CD421690,
PDB1CD430890, PDB1CD431290, PDB1CD431690



Dim.	Inches	Millimeters
A	6.0	152.5
B	7.0 Max.	177.83 Max.
C	4.92 Max.	125.0 Max.
D	1.0	25.4
E	2.0	50.8
F	4.53	115.06
G	4.33	109.98
H	0.79	20.07
J	1.5	31.1

8

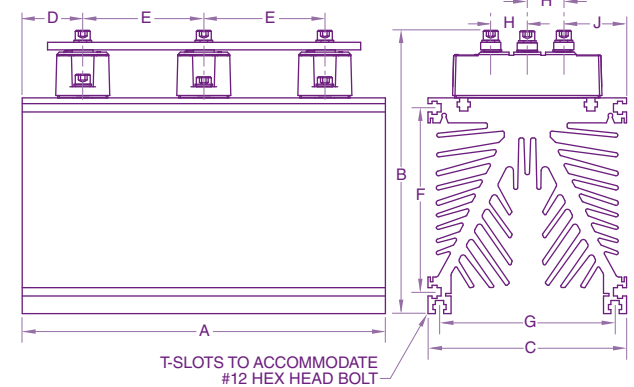
PAB2CD630815, PAB2CD631215, PAB2CD631615



Dim.	Inches	Millimeters
A	9.0	228.6
B	7.0 Max.	177.83 Max.
C	4.92 Max.	125.0 Max.
D	1.5	31.1
E	3.0	76.2
F	4.53	115.06
G	4.33	109.98
H	0.91	23.11
J	1.56	39.62

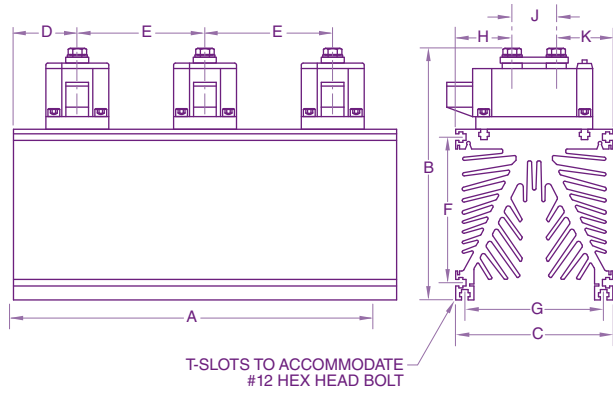
9

PDB2CD610816, PDB2CD611216, PDB2CD611616,
PDB2CD620815, PDB2CD621215, PDB2CD621615,
PDB2CD630815, PDB2CD631215, PDB2CD631615



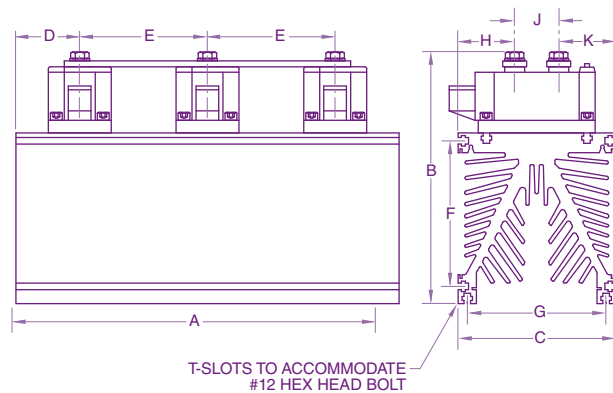
Dim.	Inches	Millimeters
A	9.0	228.6
B	7.0 Max.	177.83 Max.
C	4.92 Max.	125.0 Max.
D	1.5	31.1
E	3.0	76.2
F	4.53	115.06
G	4.33	109.98
H	0.91	23.11
J	1.56	39.62

10 PAB3ND430825, PAB3ND431225, PAB3ND431625



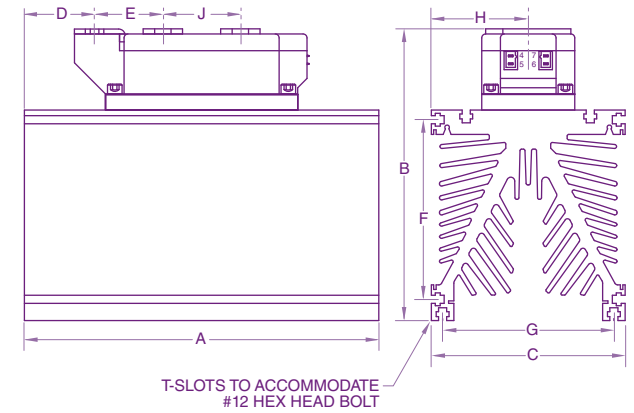
Dim.	Inches	Millimeters
A	12.0	304.8
B	8.0 Max.	203.2 Max.
C	4.92 Max.	125.0 Max.
D	2.0	50.8
E	4.0	101.6
F	4.53	115.06
G	4.33	109.98
H	1.7	43.18
J	1.38	35.05
K	1.77	44.96

11 PDB3ND410626, PDB3ND411226, PDB3ND411626, PDB3ND420625, PDB3ND421225, PDB3ND421625, PDB3ND430625, PDB3ND431225, PDB3ND431625



Dim.	Inches	Millimeters
A	12.0	304.8
B	8.0 Max.	203.2 Max.
C	4.92 Max.	125.0 Max.
D	2.0	50.8
E	4.0	101.6
F	4.53	115.06
G	4.33	109.98
H	1.7	43.18
J	1.38	35.05
K	1.77	44.96

12 PAB2LD430850, PAB2LD431250, PAB2LD431650, PDB2LD410860, PDB2LD411260, PDB2LD411660, PDB2LD420850, PDB2LD421250, PDB2LD421650, PDB2LD430850, PDB2LD431250, PDB2LD431650



Dim.	Inches	Millimeters
A	9.0	228.6
B	8.0 Max.	203.2 Max.
C	4.92 Max.	125.0 Max.
D	1.78	45.21
E	1.73	43.94
F	4.53	115.06
G	4.33	109.98
H	2.46	62.48
J	1.97	50.04