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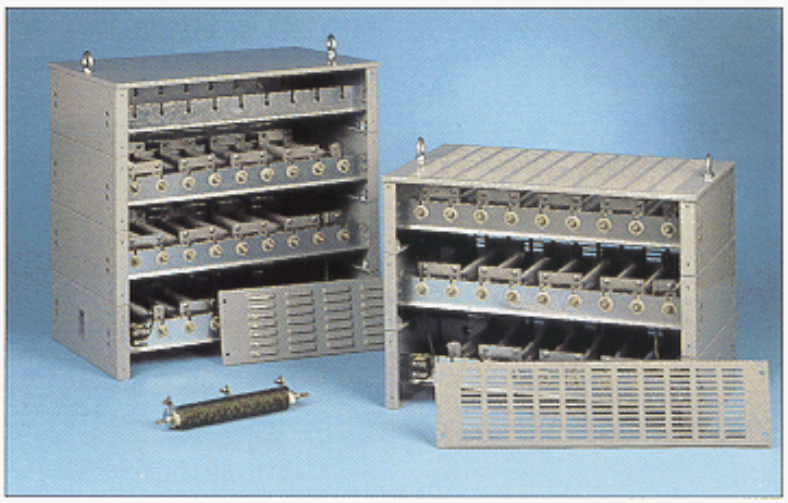
"The Resistor Specialists"

Dynamic Braking Resistors
Allen-Bradley
PowerFlex Drives



4750 Olympic Blvd.
Erlanger, KY 41018
Toll Free (800) 537-6144

www.postglover.com

Post Glover

"The Resistor Specialists"

Post Glover and IPC Power Resistors have merged to form the world's leading resistor company. With over 130 years of combined industrial and utility experience, the new *POST GLOVER* delivers proven solutions for your most critical applications. Post Glover offers application expertise across the resistor product lines. We have also developed a line of standard dynamic braking products that will enable consistent design, service, and on time delivery of your order.

To serve you better, we have developed this catalog for the Allen-Bradl*ey* PowerFlex Dynamic Braking product line. The following pages contain Dynamic Braking Sizing Tables for PowerFlex 4, 40, 70, 700, 700H, and 700S. Simply use the PowerFlex Drive classification, input voltage, horsepower, and duty cycle to choose the right unit for your application.

Additional information includes Installation and Mounting Instructions.

For any information not found in this catalog, please contact Post Glover direct at (800) 537-6144 or email DBSales@postglover.com

For more information on choosing the proper drive and braking resistor, please see AB Publication "PowerFlex – Dynamic Braking Resistor Calculator" located on the Allen-Bradley website www.ab.com/drives/

ROCKWELL AUTOMATION ENCOMPASS™ AMERICAS PARTNER

Valid from 11/01/05

240V Allen-Bradley PowerFlex 4 Drives

Input Voltage (VAC)	Drive Size		Resistance	Calculated Resistor Power Size (Especially for small duty cycles, this calculated power size may not be final based on the short term energy during the braking event. This detail must be completed with the resistor manufacturer based on the chosen power size and resistor type.)						
	HP	**Torque (% of motor)**	Ohms	2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 12.5% OHL	40% Decel 20% OHL	50% Decel 25% OHL	100% Duty 50% OHL
240	**0.25**	**100%**	117	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W
240	**0.25**	**215%**	117	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R720W
240	**0.25**	**323%**	117	T117R360W	T117R360W	T117R360W				
240	**0.25**	**430%**	117	T117R360W	T117R360W					
240	**0.5**	**100%**	117	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W
240	**0.5**	**178%**	117	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R720W
240	**0.5**	**267%**	117	T117R360W	T117R360W	T117R360W				
240	**0.5**	**357%**	117	T117R360W	T117R360W					
240	**1**	**100%**	60	T60R360W	T60R360W	T60R360W	T60R360W	T60R360W	T60R360W	T60R720W
240	**1**	**172%**	60	T60R360W	T60R360W	T60R360W	T60R360W	T60R360W	T60R360W	T60R1K44
240	**1**	**258%**	60	T60R360W	T60R360W	T60R360W				
240	**1**	**344%**	60	T60R360W	T60R360W					
240	**1.5**	**100%**	60	T60R360W	T60R360W	T60R360W	T60R360W	T60R360W	T60R360W	T60R1K08
240	**1.5**	**156%**	60	T60R360W	T60R360W	T60R360W	T60R360W	T60R360W	T60R720W	T60R1K8
240	**1.5**	**235%**	60	T60R360W	T60R360W	T60R360W				
240	**2**	**100%**	60	T60R360W	T60R360W	T60R360W	T60R360W	T60R360W	T60R360W	T60R1K8
240	**2**	**153%**	60	T60R360W	T60R360W	T60R360W	T60R360W	T60R720W	T60R720W	T60R2K52
240	**2**	**173%**	60	T60R360W	T60R360W	T60R360W				
240	**3**	**100%**	48	T48R360W	T48R360W	T48R360W	T48R360W	T48R428W	T48R720W	T48R2K52
240	**3**	**148%**	48	T48R360W	T48R360W	T48R360W	T48R428W	T48R720W	T48R1K08	T48R3K6
240	**5**	**100%**	32	T32R360W	T32R360W	T32R360W	T32R720W	T32R1K08	T32R1K08	T32R4K0
240	**5**	**122%**	32	T32R360W	T32R360W	T32R360W	T32R720W	T32R1K08	T32R1K44	T32R4K88

480V Allen-Bradley PowerFlex 4 Drives

Input Voltage (VAC)	Drive Size		Resistance	Calculated Resistor Power Size (Especially for small duty cycles, this calculated power size may not be final based on the short term energy during the braking event. This detail must be completed with the resistor manufacturer based on the chosen power size and resistor type.)						
	HP	**Torque (% of motor)**	Ohms	2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 12.5% OHL	40% Decel 20% OHL	50% Decel 25% OHL	100% Duty 50% OHL
480	**0.5**	**100%**	121	T121R360W	T121R360W	T121R360W	T121R360W	T121R360W	T121R360W	T121R360W
480	**0.5**	**217%**	121	T121R360W	T121R360W	T121R360W	T121R360W	T121R360W	T121R360W	T121R1K08
480	**0.5**	**326%**	121	T121R360W	T121R360W	T121R360W				
480	**0.5**	**434%**	121	T121R360W	T121R360W					
480	**1**	**100%**	121	T121R360W	T121R360W	T121R360W	T121R360W	T121R360W	T121R360W	T121R1K08
480	**1**	**176%**	121	T121R360W	T121R360W	T121R360W	T121R360W	T121R360W	T121R360W	T121R1K44
480	**1**	**264%**	121	T121R360W	T121R360W	T121R360W				
480	**1**	**352%**	121	T121R360W	T121R360W					
480	**2**	**100%**	121	T121R360W	T121R360W	T121R360W	T121R360W	T121R360W	T121R360W	T121R1K8
480	**2**	**153%**	121	T121R360W	T121R360W	T121R360W	T121R360W	T121R720W	T121R720W	T121R2K52
480	**2**	**229%**	121	T121R360W	T121R360W	T121R360W				
480	**2**	**306%**	121	T121R360W	T121R360W					
480	**3**	**100%**	97	T97R360W	T97R360W	T97R360W	T97R360W	T97R720W	T97R720W	T97R2K52
480	**3**	**156%**	97	T97R360W	T97R360W	T97R360W	T97R720W	T97R720W	T97R1K08	T97R3K6
480	**3**	**235%**	97	T97R360W	T97R360W	T97R360W				
480	**3**	**292%**	97	T97R360W	T97R360W					
480	**5**	**100%**	97	T97R360W	T97R360W	T97R360W	T97R720W	T97R1K08	T97R1K08	T97R4K32
480	**5**	**161%**	97	T97R360W	T97R360W	T97R360W	T97R1K08	T97R1K44	T97R1K8	T97R6K48

240V Allen-Bradley PowerFlex 40 Drives

Input Voltage (VAC)	Drive Size		Resistance	Calculated Resistor Power Size (Especially for small duty cycles, this calculated power size may not be final based on the short term energy during the braking event. This detail must be completed with the resistor manufacturer based on the chosen power size and resistor type.)						
	HP	Torque (% of motor)	Ohms	2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 12.5% OHL	40% Decel 20% OHL	50% Decel 25% OHL	100% Duty 50% OHL
240	0.5	100%	117	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W
240	0.5	178%	117	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R720W
240	0.5	267%	117	T117R360W	T117R360W	T117R360W				
240	0.5	357%	117	T117R360W	T117R360W					
240	1	100%	48	T48R360W	T48R360W	T48R360W	T48R360W	T48R360W	T48R360W	T48R720W
240	1	191%	48	T48R360W	T48R360W	T48R360W	T48R360W	T48R360W	T48R360W	T48R1K44
240	1	287%	48	T48R360W	T48R360W	T48R360W				
240	1	382%	48	T48R360W	T48R360W					
240	1.5	100%	48	T48R360W	T48R360W	T48R360W	T48R360W	T48R360W	T48R360W	T48R1K08
240	1.5	156%	48	T48R360W	T48R360W	T48R360W	T48R360W	T48R360W	T48R428W	T48R1K8
240	1.5	235%	48	T48R360W	T48R360W	T48R360W				
240	1.5	296%	48	T48R360W	T48R360W					
240	2	100%	48	T48R360W	T48R360W	T48R360W	T48R360W	T48R360W	T48R360W	T48R1K44
240	2	153%	48	T48R360W	T48R360W	T48R360W	T48R360W	T48R720W	T48R720W	T48R2K52
240	2	217%	48	T48R360W	T48R360W	T48R360W				
240	3	100%	32	T32R360W	T32R360W	T32R360W	T32R360W	T32R720W	T32R720W	T32R2K29
240	3	156%	32	T32R360W	T32R360W	T32R360W	T32R720W	T32R720W	T32R1K08	T32R3K6
240	3	222%	32	T32R360W	T32R360W	T32R360W				
240	5	100%	19	T19R360W	T19R360W	T19R360W	T19R720W	T19R1K08	T19R1K08	T19R4K0
240	5	139%	19	T19R360W	T19R360W	T19R360W	T19R720W	T19R1K08	T19R1K44	T19R5K58
240	5	205%	19	T19R360W	T19R360W	T19R420W				
240	7.5	100%	13	T13R360W	T13R360W	T13R360W	T13R720W	T13R1K08	T13R1K44	T13R5K5
240	7.5	139%	13	T13R360W	T13R360W	T13R420W	T13R1K08	T13R1K53	T13R1K92	T13R7K65
240	7.5	209%	13	T13R360W	T13R360W	T13R720W				
240	10	100%	10	T10R360W	T10R360W	T10R360W	T10R1K08	T10R1K5	T10R1K88	T10R4K5
240	10	145%	10	T10R360W	T10R360W	T10R720W	T10R1K37	T10R2K19	T10R2K73	T10R11K0
240	10	208%	10	T10R360W	T10R720W	T10R1K08				

480V Allen-Bradley PowerFlex 40 Drives

Input Voltage (VAC)	Drive Size		Resistance	Calculated Resistor Power Size (Especially for small duty cycles, this calculated power size may not be final based on the short term energy during the braking event. This detail must be completed with the resistor manufacturer based on the chosen power size and resistor type.)						
	HP	Torque (% of motor)	Ohms	2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 12.5% OHL	40% Decel 20% OHL	50% Decel 25% OHL	100% Duty 50% OHL
480	0.5	100%	121	T121R360W	T121R360W	T121R360W	T121R360W	T121R360W	T121R360W	T121R360W
480	0.5	217%	121	T121R360W	T121R360W	T121R360W	T121R360W	T121R360W	T121R360W	T121R1K08
480	0.5	326%	121	T121R360W	T121R360W	T121R360W				
480	0.5	434%	121	T121R360W	T121R360W					
480	1	100%	121	T121R360W	T121R360W	T121R360W	T121R360W	T121R360W	T121R360W	T121R720W
480	1	176%	121	T121R360W	T121R360W	T121R360W	T121R360W	T121R360W	T121R360W	T121R1K44
480	1	264%	121	T121R360W	T121R360W	T121R360W				
480	1	352%	121	T121R360W	T121R360W					
480	2	100%	121	T121R360W	T121R360W	T121R360W	T121R360W	T121R360W	T121R360W	T121R1K44
480	2	153%	121	T121R360W	T121R360W	T121R360W	T121R360W	T121R720W	T121R720W	T121R2K52
480	2	229%	121	T121R360W	T121R360W	T121R360W				
480	2	306%	121	T121R360W	T121R360W					
480	3	100%	97	T97R360W	T97R360W	T97R360W	T97R360W	T97R720W	T97R720W	T97R2K52
480	3	156%	97	T97R360W	T97R360W	T97R360W	T97R720W	T97R720W	T97R1K08	T97R3K6
480	3	235%	97	T97R360W	T97R360W	T97R360W				
480	3	292%	97	T97R360W	T97R360W					
480	5	100%	77	T77R360W	T77R360W	T77R360W	T77R720W	T77R1K08	T77R1K08	T77R4K32
480	5	167%	77	T77R360W	T77R360W	T77R360W	T77R1K08	T77R1K44	T77R1K8	T77R6K84
480	5	203%	77	T77R360W	T77R360W	T77R720W				
480	7.5	100%	55	T55R360W	T55R360W	T55R360W	T55R720W	T55R1K08	T55R1K44	T55R5K5
480	7.5	139%	55	T55R360W	T55R360W	T55R430W	T55R1K08	T55R1K8	T55R2K16	T55R7K65
480	7.5	206%	55	T55R360W	T55R360W	T55R720W				
480	10	100%	39	T39R360W	T39R360W	T39R360W	T39R1K08	T39R1K44	T39R1K8	T39R7K5
480	10	150%	39	T39R360W	T39R360W	T39R720W	T39R1K44	T39R2K52	T39R2K88	T39R11K3
480	10	213%	39	T39R360W	T39R360W	T39R1K08				
480	15	100%	24	T24R360W	T24R360W	T24R720W	T24R1K44	T24R2K16	T24R2K75	T24R11K0
480	15	146%	24	T24R360W	T24R720W	T24R1K08	T24R2K16	T24R3K22	T24R4K02	T24R16K1
480	15	219%	24	T24R360W	T24R720W	T24R1K44				
480	15	236%	24	T24R360W	T24R720W					

600V Allen-Bradley PowerFlex 40 Drives

Input Voltage (VAC)	Drive Size		Resistance	Calculated Resistor Power Size (Especially for small duty cycles, this calculated power size may not be final based on the short term energy during the braking event. This detail must be completed with the resistor manufacturer based on the chosen power size and resistor type.)						
	HP	Torque (% of motor)	Ohms	2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 12.5% OHL	40% Decel 20% OHL	50% Decel 25% OHL	100% Duty 50% OHL
600	1	100%	121	T121R360W	T121R360W	T121R360W	T121R360W	T121R360W	T121R360W	T121R720W
600	1	163%	121	T121R360W	T121R360W	T121R360W	T121R360W	T121R360W	T121R360W	T121R1K44
600	1	244%	121	T121R360W	T121R360W	T121R360W				
600	1	325%	121	T121R360W	T121R360W					
600	2	100%	121	T121R360W	T121R360W	T121R360W	T121R360W	T121R360W	T121R360W	T121R1K44
600	2	143%	121	T121R360W	T121R360W	T121R360W	T121R360W	T121R720W	T121R720W	T121R2K16
600	2	215%	121	T121R360W	T121R360W	T121R360W				
600	2	287%	121	T121R360W	T121R360W					
600	3	100%	121	T121R360W	T121R360W	T121R360W	T121R360W	T121R720W	T121R720W	T121R2K16
600	3	137%	121	T121R360W	T121R360W	T121R360W	T121R360W	T121R720W	T121R1K08	T121R3K24
600	3	205%	121	T121R360W	T121R360W	T121R360W				
600	3	274%	121	T121R360W	T121R360W					
600	5	100%	97	T97R360W	T97R360W	T97R360W	T97R720W	T97R1K08	T97R1K08	T97R4K32
600	5	131%	97	T97R360W	T97R360W	T97R360W	T97R720W	T97R1K08	T97R1K44	T97R5K4
600	5	197%	97	T97R360W	T97R360W	T97R360W				
600	5	251%	97	T97R360W	T97R360W					
600	7.5	100%	60	T60W360W	T60R360W	T60R360W	T60R720W	T60R1K08	T60R1K44	T60R5K5
600	7.5	143%	60	T60R360W	T60R360W	T60R360W	T60R1K08	T60R1K8	T60R2K16	T60R7K89
600	7.5	215%	60	T60R360W	T60R360W	T60R720W				
600	7.5	287%	60	T60R360W	T60R360W					
600	10	100%	51	T51R360W	T51R360W	T51R360W	T51R1K08	T51R1K44	T51R1K8	T51R9K92
600	10	132%	51	T51R360W	T51R360W	T51R720W	T51R1K44	T51R2K16	T51R2K52	T51R9K92
600	10	198%	51	T51R360W	T51R360W	T51R720W				
600	10	255%	51	T51R360W	T51R360W					
600	15	100%	51	T51R360W	T51R360W	T51R720W	T51R1K44	T51R2K16	T51R2K88	T51R11K0
600	15	145%	51	T51R360W	T51R434W	T51R1K08	T51R2K16	T51R3K24	T51R4K32	T51R15K9
600	15	174%	51	T51R360W	T51R434W	T51R1K08				

240V Allen-Bradley PowerFlex 70, 700, 700H, & 700S Drives

Drive Sized For Normal Duty		Drive Sized For Heavy Duty		Resistance	Calculated Resistor Power Size (Especially for small duty cycles, this calculated power size may not be final based on the short term energy during the braking event. This detail must be completed with the resistor manufacturer based on the chosen power size and resistor type)						
HP	**Torque (% of motor)**	HP	Torque (% of motor)	Ohms	2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 12.5% OHL	40% Decel 20% OHL	50% Decel 25% OHL	100% Duty 50% OHL
0.5	**100%**	0.33	148%	117	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W
0.5	**171%**	0.33	252%	117	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R720W
0.5	**188%**	0.33	278%	117	T117R360W	T117R360W	T117R360W				
0.5	**256%**	0.33	379%	117	T117R360W	T117R360W					
1	**100%**	0.75	136%	80	T80R360W	T80R360W	T80R360W	T80R360W	T80R360W	T80R360W	T80R720W
1	**161%**	0.75	219%	80	T80R360W	T80R360W	T80R360W	T80R360W	T80R360W	T80R360W	T80R1K44
1	**184%**	0.75	250%	80	T80R360W	T80R360W	T80R360W				
1	**245%**	0.75	334%	80	T80R360W	T80R360W					
2	**100%**	1.5	136%	60	T60R360W	T60R360W	T60R360W	T60R360W	T60R360W	T60R360W	T60R1K44
2	**130%**	1.5	177%	60	T60R360W	T60R360W	T60R360W	T60R360W	T60R720W	T60R720W	T60R2K16
2	**172%**	1.5	235%	60	T60R360W	T60R360W	T60R360W	T60R360W	T60R720W	T60R720W	T60R2K52
3	**100%**	2	147%	36	T36R360W	T36R360W	T36R360W	T36R360W	T36R720W	T36R720W	T36R2K16
3	**125%**	2	184%	36	T36R360W	T36R360W	T36R360W	T36R360W	T36R720W	T36R720W	T36R2K88
3	**138%**	2	202%	36	T36R360W	T36R360W	T36R360W				
3	**188%**	2	275%	36	T36R360W	T36R360W					
5	**100%**	3	133%	30	T30R360W	T30R360W	T30R360W	T30R720W	T30R1K08	T30R1K08	T30R4K0
5	**122%**	3	163%	30	T30R360W	T30R360W	T30R360W	T30R720W	T30R1K08	T30R1K44	T30R4K88
5	**130%**	3	173%	30	T30R360W	T30R360W	T30R360W				

240V Allen-Bradley PowerFlex 70, 700, 700H, & 700S Drives

Drive Sized For Normal Duty		Drive Sized For Heavy Duty		Resistance	Calculated Resistor Power Size (Especially for small duty cycles, this calculated power size may not be final based on the short term energy during the braking event. This detail must be completed with the resistor manufacturer based on the chosen power size and resistor type)						
HP	**Torque (% of motor)**	HP	Torque (% of motor)	Ohms	2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 12.5% OHL	40% Decel 20% OHL	50% Decel 25% OHL	100% Duty 50% OHL
7.5	**100%**	5	138%	23	T23R360W	T23R360W	T23R360W	T23R720W	T23R1K08	T23R1K44	T23R5K5
7.5	**123%**	5	170%	23	T23R360W	T23R360W	T23R360W	T23R1K08	T23R1K44	T23R1K8	T23R6K79
10	**99%**	7.5	135%	21	T21R360W	T21R360W	T21R360W	T21R1K08	T21R1K44	T21R1K8	T21R7K43
15	**100%**	10	147%	11	T11R360W	T11R360W	T11R720W	T11R1K38	T11R2K2	T11R2K75	T11R11K0
15	**128%**	10	187%	11	T11R360W	T11R360W	T11R720W	T11R1K76	T11R2K82	T11R3K52	T11R14K1
20	**100%**	15	136%	9.3	T9F3R360W	T9F3R420W	T9F3R1K08	T9F3R1K88	T9F3R3K0	T9F3R3K75	T9F3R15K0
20	**112%**	15	153%	9.3	T9F3R360W	T9F3R420W	T9F3R1K08	T9F3R2K1	T9F3R3K36	T9F3R4K2	T9F3R16K8
25	**91%**	20	112%	9.3	T9F3R360W	T9F3R420W	T9F3R1K08	T9F3R2K1	T9F3R3K38	T9F3R4K2	T9F3R16K8
30	**101%**	25	120%	7.0	T7R360W	T7R720W	T7R1K12	T7R2K79	T7R4K46	T7R5K58	T7R22K3
40	**108%**	30	148%	4.8	T4F8R410W	T4F8R820W	T4F8R1K63	T4F8R4K07	T4F8R6K51	T4F8R8K13	T4F8R32K6
50	**88%**	40	108%	4.8	T4F8R410W	T4F8R820W	T4F8R1K63	T4F8R4K07	T4F8R6K51	T4F8R8K13	T4F8R32K6
60	**100%**	50	122%	2.3	T2F3R570W	T2F3R1K13	T2F3R2K25	T2F3R5K63	T2F3R9K0	T2F3R11K3	T2F3R45K0
60	**119%**	50	144%	2.3	T2F3R690W	T2F3R1K34	T2F3R2K67	T2F3R6K66	T2F3R10K7	T2F3R13K4	T2F3R53K4
60	**150%**	50	183%	2.3	T2F3R850W	T2F3R1K69	T2F3R3K38				
75	**100%**	60	122%	2.3	T2F3R690W	T2F3R1K38	T2F3R2K75	T2F3R6K88	T2F3R11K0	T2F3R13K8	T2F3R55K0
75	**121%**	60	148%	2.3	T2F3R840W	T2F3R1K67	T2F3R3K33	T2F3R8K32	T2F3R13K4	T2F3R16K7	T2F3R66K6

480V Allen-Bradley PowerFlex 70, 700, 700H, & 700S Drives

Drive Sized For Normal Duty		Drive Sized For Heavy Duty		Resistance	Calculated Resistor Power Size (Especially for small duty cycles, this calculated power size may not be final based on the short term energy during the braking event. This detail must be completed with the resistor manufacturer based on the chosen power size and resistor type)						
HP	**Torque (% of motor)**	HP	Torque (% of motor)	Ohms	2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 12.5% OHL	40% Decel 20% OHL	50% Decel 25% OHL	100% Duty 50% OHL
0.5	**100%**	0.33	148%	117	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W
0.5	**171%**	0.33	252%	117	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R720W
0.5	**188%**	0.33	278%	117	T117R360W	T117R360W	T117R360W				
0.5	**256%**	0.33	379%	117	T117R360W	T117R360W					
1	**100%**	0.75	136%	117	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R720W
1	**161%**	0.75	219%	117	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R1K44
1	**184%**	0.75	250%	117	T117R360W	T117R360W	T117R360W				
1	**245%**	0.75	334%	117	T117R360W	T117R360W					
2	**100%**	1.5	136%	117	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R1K44
2	**130%**	1.5	177%	117	T117R360W	T117R360W	T117R360W	T117R360W	T117R720W	T117R720W	T117R2K16
2	**172%**	1.5	235%	117	T117R360W	T117R360W	T117R360W				
2	**229%**	1.5	313%	117	T117R360W	T117R360W					
3	**100%**	2	147%	117	T117R360W	T117R360W	T117R360W	T117R360W	T117R720W	T117R720W	T117R2K16
3	**130%**	2	191%	117	T117R360W	T117R360W	T117R360W	T117R360W	T117R720W	T117R720W	T117R2K88
3	**143%**	2	210%	117	T117R360W	T117R360W	T117R360W				
3	**196%**	2	287%	117	T117R360W	T117R360W					
5	**100%**	3	133%	80	T80R360W	T80R360W	T80R360W	T80R720W	T80R1K08	T80R1K08	T80R4K32
5	**127%**	3	170%	80	T80R360W	T80R360W	T80R360W	T80R720W	T80R1K08	T80R1K44	T80R5K4
5	**140%**	3	187%	80	T80R360W	T80R360W	T80R360W				
5	**191%**	3	255%	80	T80R360W	T80R360W					
7.5	**100%**	5	138%	67	T67R360W	T67R360W	T67R360W	T67R720W	T67R1K08	T67R1K44	T67R5K76
7.5	**127%**	5	175%	67	T67R360W	T67R360W	T67R360W	T67R1K08	T67R1K44	T67R1K8	T67R7K02
7.5	**140%**	5	193%	67	T67R360W	T67R360W	T67R424W				
7.5	**169%**	5	233%	67	T67R360W	T67R360W					

480V Allen-Bradley PowerFlex 70, 700, 700H, & 700S Drives

Drive Sized For Normal Duty		Drive Sized For Heavy Duty		Resistance	Calculated Resistor Power Size (Especially for small duty cycles, this calculated power size may not be final based on the short term energy during the braking event. This detail must be completed with the resistor manufacturer based on the chosen power size and resistor type)						
HP	**Torque (% of motor)**	HP	Torque (% of motor)	Ohms	2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 12.5% OHL	40% Decel 20% OHL	50% Decel 25% OHL	100% Duty 50% OHL
10	**100%**	7.5	136%	67	T67R360W	T67R360W	T67R360W	T67R1K08	T67R1K44	T67R1K8	T67R7K5
10	**123%**	7.5	168%	67	T67R360W	T67R360W	T67R424W	T67R1K44	T67R1K8	T67R2K52	T67R9K26
15	**100%**	10	147%	45	T45R360W	T45R360W	T45R720W	T45R1K44	T45R2K16	T45R2K88	T45R11K0
15	**126%**	10	185%	45	T45R360W	T45R360W	T45R720W	T45R1K8	T45R2K88	T45R3K6	T45R13K9
20	**104%**	15	142%	40	T40R360W	T40R720W	T40R1K08	T40R2K16	T40R3K24	T40R3K96	T40R15K7
25	**120%**	20	149%	28	T28R360W	T28R720W	T28R1K44	T28R2K79	T28R4K46	T28R5K58	T28R22K3
30	**113%**	25	135%	25	T25R360W	T25R720W	T25R1K44	T25R3K12	T25R5K0	T25R6K25	T25R25K0
40	**109%**	30	149%	19	T19R420W	T19R1K08	T19R1K65	T19R4K11	T19R6K57	T19R8K22	T19R32K9
50	**89%**	40	109%	19	T19R420W	T19R1K08	T19R1K65	T19R4K11	T19R6K57	T19R8K22	T19R32K9
60	**92%**	50	112%	15	T15R720W	T15R1K08	T15R2K08	T15R5K21	T15R8K33	T15R10K5	T15R41K7
75	**100%**	60	122%	9.3	T9F3R720W	T9F3R1K38	T9F3R2K75	T9F3R6K88	T9F3R11K0	T9F3R13K8	T9F3R55K0
75	**121%**	60	148%	9.3	T9F3R1K08	T9F3R1K67	T9F3R3K33	T9F3R8K32	T9F3R13K4	T9F3R16K7	T9F3R66K6
100	**89%**	75	122%	9.3	T9F3R1K08	T9F3R1K67	T9F3R3K36	T9F3R8K39	T9F3R13K5	T9F3R16K8	T9F3R67K2
125	**100%**	100	120%	4.4	T4F4R1K13	T4F4R2K25	T4F4R4K5	T4F4R11K3	T4F4R18K0	T4F4R22K5	T4F4R90K0
125	**120%**	100	144%	4.4	T4F4R1K36	T4F4R2K71	T4F4R5K41	T4F4R13K5	T4F4R21K7	T4F4R27K1	T4F4R109K0
125	**145%**	100	174%	4.4	T4F4R1K63	T4F4R3K26	T4F4R6K52				
125	**158%**	100	189%	4.4	T4F4R1K78	T4F4R3K55					
150	**100%**	125	122%	4.4	T4F4R1K38	T4F4R2K75	T4F4R5K5	T4F4R13K8	T4F4R22K0	T4F4R27K5	T4F4R110K0
150	**113%**	125	139%	4.4	T4F4R1K56	T4F4R3K12	T4F4R6K24	T4F4R15K6	T4F4R25K0	T4F4R31K2	T4F4R125K0
150	**129%**	125	158%	4.4	T4F4R1K78	T4F4R3K55	T4F4R7K1				
200	**100%**	150	136%	3.3	T3F3R1K88	T3F3R3K75	T3F3R7K5	T3F3R18K8	T3F3R30K0	T3F3R37K5	T3F3R150K0
200	**115%**	150	156%	3.3	T3F3R2K15	T3F3R4K3	T3F3R8K6	T3F3R21K5	T3F3R34K4	T3F3R43K0	T3F3R172K0
200	**126%**	150	172%	3.3	T3F3R2K37	T3F3R4K73	T3F3R9K46				
250	**102%**	200	126%	3.3	T3F3R2K37	T3F3R4K73	T3F3R9K46	T3F3R23K7	T3F3R37K9	T3F3R47K3	T3F3R190K0

600V Allen-Bradley PowerFlex 70, 700, 700H, & 700S Drives

Drive Sized For Normal Duty		Drive Sized For Heavy Duty		Resistance	Calculated Resistor Power Size (Especially for small duty cycles, this calculated power size may not be final based on the short term energy during the braking event. This detail must be completed with the resistor manufacturer based on the chosen power size and resistor type)						
HP	**Torque (% of motor)**	HP	Torque (% of motor)	Ohms	2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 12.5% OHL	40% Decel 20% OHL	50% Decel 25% OHL	100% Duty 50% OHL
0.5	**100%**	0.33	148%	117	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W
0.5	**174%**	0.33	258%	117	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R720W
0.5	**203%**	0.33	301%	117	T117R360W	T117R360W	T117R360W				
0.5	**271%**	0.33	402%	117	T117R360W	T117R360W					
1	**100%**	0.75	136%	117	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R720W
1	**163%**	0.75	222%	117	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R1K44
1	**186%**	0.75	254%	117	T117R360W	T117R360W	T117R360W				
1	**249%**	0.75	339%	117	T117R360W	T117R360W					
2	**100%**	1.5	136%	117	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R360W	T117R1K44
2	**129%**	1.5	176%	117	T117R360W	T117R360W	T117R360W	T117R360W	T117R720W	T117R720W	T117R2K16
2	**172%**	1.5	235%	117	T117R360W	T117R360W	T117R360W				
2	**229%**	1.5	313%	117	T117R360W	T117R360W					
3	**100%**	2	147%	117	T117R360W	T117R360W	T117R360W	T117R360W	T117R720W	T117R720W	T117R2K16
3	**127%**	2	186%	117	T117R360W	T117R360W	T117R360W	T117R360W	T117R720W	T117R720W	T117R2K88
3	**140%**	2	205%	117	T117R360W	T117R360W	T117R360W				
3	**191%**	2	280%	117	T117R360W	T117R360W					
5	**100%**	3	133%	97	T97R360W	T97R360W	T97R360W	T97R720W	T97R1K08	T97R1K08	T97R4K32
5	**122%**	3	162%	97	T97R360W	T97R360W	T97R360W	T97R720W	T97R1K08	T97R1K44	T97R5K05
5	**134%**	3	178%	97	T97R360W	T97R360W	T97R360W				
5	**182%**	3	243%	97	T97R360W	T97R360W					
7.5	**100%**	5	138%	80	T80R360W	T80R360W	T80R360W	T80R720W	T80R1K08	T80R1K44	T80R5K76
7.5	**130%**	5	179%	80	T80R360W	T80R360W	T80R360W	T80R1K08	T80R1K44	T80R1K8	T80R7K18
7.5	**143%**	5	197%	80	T80R360W	T80R360W	T80R720W				
7.5	**196%**	5	269%	80	T80R360W	T80R360W					
10	**100%**	7.5	136%	77	T77R360W	T77R360W	T77R360W	T77R1K08	T77R1K44	T77R1K8	T77R7K5
10	**121%**	7.5	165%	77	T77R360W	T77R360W	T77R3720W	T77R1K44	T77R1K8	T77R2K52	T77R9K1
10	**149%**	7.5	203%	77	T77R360W	T77R360W	T77R720W				
10	**169%**	7.5	230%	77	T77R360W	T77R360W					

600V Allen-Bradley PowerFlex 70, 700, 700H, & 700S Drives

Drive Sized For Normal Duty		Drive Sized For Heavy Duty		Resistance	Calculated Resistor Power Size (Especially for small duty cycles, this calculated power size may not be final based on the short term energy during the braking event. This detail must be completed with the resistor manufacturer based on the chosen power size and resistor type)						
HP	**Torque (% of motor)**	HP	Torque (% of motor)	Ohms	2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 12.5% OHL	40% Decel 20% OHL	50% Decel 25% OHL	100% Duty 50% OHL
15	**100%**	10	147%	52	T52R360W	T52R360W	T52R720W	T52R1K44	T52R2K16	T52R2K88	T52R11K0
15	**129%**	10	190%	52	T52R360W	T52R360W	T52R720W	T52R1K8	T52R2K88	T52R3K6	T52R14K3
15	**142%**	10	209%	52	T52R360W	T52R425W	T52R1K08				
15	**170%**	10	250%	52	T52R360W	T52R720W					
20	**100%**	15	136%	45	T45R360W	T45R360W	T45R720W	T45R1K8	T45R3K24	T45R3K6	T45R15K0
20	**124%**	15	169%	45	T45R360W	T45R720W	T45R1K08	T45R2K52	T45R3K6	T45R4K68	T45R18K7
20	**144%**	15	196%	45	T45R360W	T45R720W	T45R1K08				
25	**100%**	20	123%	36	T36R360W	T36R720W	T36R1K08	T36R2K52	T36R3K96	T36R4K63	T36R18K5
25	**124%**	20	152%	36	T36R360W	T36R720W	T36R1K44	T36R2K88	T36R4K58	T36R5K72	T36R22K9
25	**146%**	20	181%	36	T36R360W	T36R720W	T36R1K44				
30	**100%**	25	119%	29	T29R360W	T29R720W	T29R1K08	T29R2K88	T29R4K4	T29R5K5	T29R22K0
30	**123%**	25	146%	29	T29R360W	T29R720W	T29R1K44	T29R3K39	T29R5K42	T29R6K78	T29R27K1
30	**153%**	25	182%	29	T29R720W	T29R1K08	T29R1K8				
40	**100%**	30	136%	25	T25R360W	T25R720W	T25R1K44	T25R3K75	T25R6K0	T25R7K5	T25R30K0
40	**116%**	30	158%	25	T25R406W	T25R720W	T25R1K8	T25R4K34	T25R6K95	T25R8K68	T25R34K8
40	**130%**	30	177%	25	T25R720W	T25R1K08	T25R2K16				
50	**105%**	40	130%	25	T25R720W	T25R1K08	T25R2K16	T25R4K88	T25R7K81	T25R9K76	T25R39K1
60	**100%**	50	122%	18	T18R720W	T18R1K08	T18R2K25	T18R5K63	T18R9K0	T18R11K3	T18R45K0
60	**119%**	50	145%	18	T18R720W	T18R1K44	T18R2K69	T18R6K72	T18R10K8	T18R13K4	T18R53K8
75	**100%**	60	122%	18	T18R720W	T18R1K44	T18R2K75	T18R6K88	T18R11K0	T18R13K8	T18R55K0
75	**121%**	60	148%	18	T18R1K08	T18R1K69	T18R3K34	T18R8K34	T18R13K4	T18R16K7	T18R66K8
75	**130%**	60	159%	18	T18R1K08	T18R1K8	T18R3K59				
100	**96%**	75	130%	18	T18R1K08	T18R1K8	T18R3K59	T18R8K96	T18R14K4	T18R18K0	T18R71K7
125	**100%**	100	120%	6.3	T6F3R1K13	T6F3R2K25	T6F3R4K5	T6F3R11K3	T6F3R18K0	T6F3R22K5	T6F3R90K0
125	**120%**	100	144%	6.3	T6F3R1K36	T6F3R2K71	T6F3R5K42	T6F3R13K6	T6F3R21K7	T6F3R27K1	T6F3R109K0
125	**143%**	100	172%	6.3	T6F3R1K62	T6F3R3K23	T6F3R6K46				
125	**191%**	100	229%	6.3	T6F3R2K15	T6F3R4K29					
150	**100%**	125	122%	6.3	T6F3R1K38	T6F3R2K75	T6F3R5K5	T6F3R13K8	T6F3R22K0	T6F3R27K5	T6F3R110K0
150	**113%**	125	139%	6.3	T6F3R1K56	T6F3R3K12	T6F3R6K24	T6F3R15K6	T6F3R25K0	T6F3R31K2	T6F3R125K0
150	**148%**	125	181%	6.3	T6F3R2K04	T6F3R4K08	T6F3R8K15				
150	**186%**	125	227%	6.3	T6F3R2K56	T6F3R5K12					

690V Allen-Bradley PowerFlex 700, & 700S Drives

Drive Sized For Normal Duty		Drive Sized For Heavy Duty		Resistance	Calculated Resistor Power Size (Especially for small duty cycles, this calculated power size may not be final based on the short term energy during the braking event. This detail must be completed with the resistor manufacturer based on the chosen power size and resistor type)						
HP	**Torque (% of motor)**	HP	Torque (% of motor)	Ohms	2.5% Decel	5% Decel 2.5% OHL	10% Decel 5% OHL	25% Decel 12.5% OHL	40% Decel 20% OHL	50% Decel 25% OHL	100% Duty 50% OHL
100	**96%**	75	130%	18	T18R1K08	T18R1K8	T18R3K59	T18R8K96	T18R14K4	T18R18K0	T18R71K7
125	**80%**	100	96%	18	T18R1K08	T18R1K8	T18R3K6	T18R9K0	T18R14K4	T18R18K0	T18R72K0
150	**112%**	125	137%	6.3	T6F3R1K55	T6F3R3K1	T6F3R6K19	T6F3R15K5	T6F3R24K8	T6F3R31K0	T6F3R124K0
150	**139%**	125	170%	6.3	T6F3R1K92	T6F3R3K83	T6F3R7K65				
150	**185%**	125	226%	6.3	T6F3R2K55	T6F3R5K1					
175	**112%**	150	134%	6.3	T6F3R1K85	T6F3R3K7	T6F3R7K39	T6F3R18K5	T6F3R29K6	T6F3R37K0	T6F3R148K0
175	**141%**	150	169%	6.3	T6F3R2K33	T6F3R4K66	T6F3R9K31				
175	**155%**	150	186%	6.3	T6F3R2K56	T6F3R5K12					

Installation Instructions -Dynamic Braking Resistors

POST GLOVER DYNAMIC BRAKING RESISTORS consist of through-rod mounted resistor tubes installed into mill-galvanized or ANSI-61 gray powder coated enclosures. All resistor tubes are factory interconnected using stainless steel hardware.

Once you have unpacked the resistor and inspected it for signs of shipping damage, you may INSTALL THE UNIT AS FOLLOWS:

- Remove the screws that attach the ventilated cover to the unit. Most units have four screws, larger units have six or more screws. Units up to 28" wide may be wall mounted as shown in FIGURE 1, or roof mounted as shown in FIGURE 2.

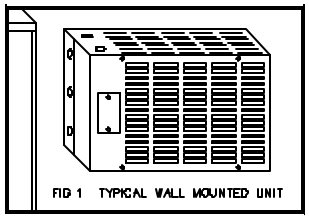


FIG 1 TYPICAL WALL MOUNTED UNIT

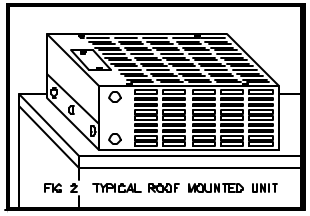


FIG 2 TYPICAL ROOF MOUNTED UNIT

- Resistor tubes (and through-rods) must be horizontal for proper cooling. Fasten enclosure with four 3/8" bolts.
- All larger units (above approximately 5KW) are 29" wide and must be roof or floor mounted as shown in FIGURE 3.

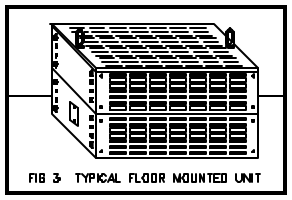


FIG 3 TYPICAL FLOOR MOUNTED UNIT

Fasten enclosure with four 1/2" bolts.

CAUTION ! THE HEAT FROM THE RESISTORS RISES STRAIGHT UP FROM THE RESISTOR TUBES.

- Installation should be performed by a qualified electrician per applicable industry/local codes including NEC/NFPA 70.
- There should be at least 24" of free space above the resistor and the area should be free of any combustible materials, fire sprinklers or other materials affected by heat.
- There should be at least 6" of space between the ends of the resistor enclosure and adjacent components.
- There should be at least 12" of space between the ventilated sides of the resistor enclosure and any nearby components.
- If there is concern about the resistor enclosure conducting heat to its mounting surface, then space the unit off its mounting surface approximately 1/4" using flat washers or an extra nut on each mounting bolt. See FIGURE 4.

Post Glover "The Resistor Specialists"

4750 Olympic Blvd ? Erlanger, Kentucky 41018 ? USA
Toll free 800-537-6144 ? Telephone (859) 283-0778
Facsimile (859) 283-2978
www.postglover.com ? www.ipcresistors.com

Remove Instruction Sheet Before Installation

Installation Instructions -Dynamic Braking Resistors

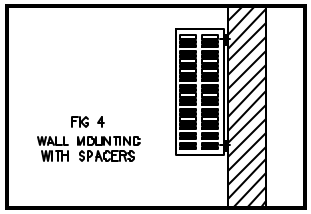


FIG 4
WALL MOUNTING
WITH SPACERS

All enclosures feature several convenient conduit "knockouts" for easy wiring. Choose the appropriate location, remove the knockout and pull the wire into the resistor enclosure for connection to the resistor.

If wiring directly to the resistor terminals, Post Glover recommends using at least 150 degree C rated Teflon or SRML (silicon rubber motor lead) wiring to prevent melting or burning of the insulation. Avoid running the wiring on top of, or too close to, the hot resistor tubes. It is much cooler underneath the resistors. Most units use #10 terminal hardware, but larger ratings use 1/4" and even 5/16" terminal hardware. The following table gives suggested wire size for copper conductors based on the insulating rating of the wire.

Suggested Wire Gauge		
	150°C	75°C
Up to 30 A	#14*	#10*
Up to 85 A	#6	#4
Up to 170 A	#2	#2/0

* This size terminal block uses ring terminals sized for #8 screw.
Units featuring the Post Glover terminal block option may be wired to the terminal block using standard 75 degree C rated wire.

If an ohmmeter is available, check the value of the resistor and compare it to the rating shown on the nameplate to ensure you have the proper resistor. Connecting a resistor with too low of an ohm rating can damage the dynamic braking transistor (chopper) or the adjustable frequency drive.

If your unit features the Post Glover thermal switch option, connect your control leads to the two crimp-type terminals provided on the thermal switch. If you have an ohmmeter, check the continuity of the thermal switch to confirm that it is either normally closed or normally open as required. Both types are available.

TIGHTEN ALL CONNECTIONS SECURELY. LOOSE CONNECTIONS ARE A MAJOR SOURCE OF POWER RESISTOR FAILURES.

Install the ventilated cover and secure with the screws provided. **TIGHTEN SCREWS SECURELY!**

Your **Post Glover Dynamic Braking Resistor** should not require any maintenance, but should be checked periodically for loose connections and the accumulation of dust and dirt. Any excess dust or dirt that collects on the unit should be removed as it could prevent proper cooling or cause tracking to ground.

THE RESISTOR SHOULD NOT GLOW RED UNDER NORMAL OPERATING CONDITIONS! If the unit glows or seems to run excessively hot, you probably need a higher wattage rated unit (which is available). Please contact Post Glover for further assistance.

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