



# IronHorse ACG Series Accessories

## Braking Resistors

Dynamic braking absorbs the motor regeneration energy when the motor is decelerated faster than it would if it was allowed to coast to a stop. The regeneration energy is dissipated by braking resistors. All drives have the braking function built-in and do not require a separate dynamic braking unit. The recommended open type or NEMA 1 type brake resistors available at AutomationDirect for each drive model are listed in the table below.

Brake Resistors											
Voltage	Drive	Drive Power (HP)	Drive Braking Capacity-Max Torque			150% Braking Torque @ 5% Duty Cycle					
			Minimum Resistor	Max Total Brake Current (A)	Peak Power (kW)	Open Type Resistors			NEMA1 Resistors with Thermal Switch		
						ADC Part Number	Qty	Total Brake Current (A)	ADC Part Number	Qty	Total Brake Current (A)
230	<a href="#">ACG-20P5</a>	0.5	250.0	1.6	0.6	<a href="#">GS-BR-300W250</a>	1	1.6	<a href="#">BR-N1-240W250</a>	1	1.6
	<a href="#">ACG-21P0</a>	1	150.0	2.6	1.0	<a href="#">GS-BR-400W150</a>	1	2.6	<a href="#">BR-N1-240W150</a>	1	2.6
	<a href="#">ACG-22P0</a>	2	50.0	7.8	3.0	<a href="#">GS-BR-300W070</a>	1	5.6	<a href="#">BR-N1-280W50</a>	1	7.8
	<a href="#">ACG-23P0</a>	3	43.0	9.1	3.5	<a href="#">GS-BR-1K5W043</a>	1	9.1	<a href="#">BR-N1-720W50</a>	1	7.8
	<a href="#">ACG-25P0</a>	5	25.0	15.6	6.1	<a href="#">GS-BR-1K2W015</a>	2S	13.0	<a href="#">BR-N1-800W25</a>	1	15.6
	<a href="#">ACG-27P5</a>	7.5	18.0	21.7	8.5	<a href="#">GS-BR-1K0W020</a>	1	19.5	<a href="#">BR-N1-800W18P0</a>	1	21.7
	<a href="#">ACG-2010</a>	10	14.0	27.9	10.9	<a href="#">GS-BR-1K2W015</a>	1	26.0	<a href="#">BR-N1-1K5W14P0</a>	1	27.9
	<a href="#">ACG-2015</a>	15	8.6	45.3	17.7	<a href="#">GS-BR-1K5W012</a>	1	32.5	<a href="#">BR-N1-2K2W08P6</a>	1	45.3
	<a href="#">ACG-2020</a>	20	8.0	48.8	19.0	<a href="#">GS-BR-1K2W015</a>	2P	52.0	<a href="#">BR-N1-2K2W08P6</a>	1	45.3
460	<a href="#">ACG-40P5</a>	0.5	400.0	2.0	1.5	<a href="#">GS-BR-300W400</a>	1	2.0	<a href="#">BR-N1-250W400</a>	1	2.0
	<a href="#">ACG-41P0</a>	1	400.0	2.0	1.5		1		<a href="#">BR-N1-240W250</a>	1	
	<a href="#">ACG-42P0</a>	2	250.0	3.1	2.4		1		<a href="#">BR-N1-500W200</a>	1	3.9
	<a href="#">ACG-43P0</a>	3	180.0	4.3	3.4	<a href="#">GS-BR-200W360</a>	2P	4.3	<a href="#">BR-N1-720W85</a>	1	9.2
	<a href="#">ACG-45P0</a>	5	85.0	9.2	7.2	<a href="#">GS-BR-300W250</a>	2P	6.2	<a href="#">BR-N1-1K2W75</a>	1	10.4
	<a href="#">ACG-47P5</a>	7.5	75.0	10.4	8.1	<a href="#">GS-BR-1K0W075</a>	1	10.4	<a href="#">BR-N1-1K2W50</a>	1	15.6
	<a href="#">ACG-4010</a>	10	49.0	15.9	12.4	<a href="#">GS-BR-1K5W043</a>	1	18.1	<a href="#">BR-N1-1K5W40</a>	1	19.5
	<a href="#">ACG-4015</a>	15	40.0	19.5	15.2	<a href="#">GS-BR-1K5W043</a>	1	18.1	<a href="#">BR-N1-2K3W26</a>	1	30.0
	<a href="#">ACG-4020</a>	20	22.0	35.5	27.7		2P	36.3	<a href="#">BR-N1-2K8W25</a>	1	31.2
	<a href="#">ACG-4025</a>	25	20.0	39.0	30.4		2P		<a href="#">BR-N1-3K6W20</a>	1	39.0
	<a href="#">ACG-4030</a>	30	20.0	39.0	30.4		2P				

Note: Where noted on resistor quantity, S = series wiring, P = parallel wiring.