

# GS20(X) Series Optional Accessories - Braking

## GS20(X) Braking Resistors

Use the table below to find the appropriate braking resistor model for your GS20(X) series AC drive. For more information and installation instructions, please see the GS20 User Manual. All listed resistors are available for purchase at [www.automationdirect.com](http://www.automationdirect.com).

GS20(X) AC Drive Braking Component Selection											
Drive Voltage	Drive Model	Motor Power (hp)	Drive Brake Capacity - Max Torque		125% Braking Torque @ 10% Duty Cycle*						
			Min Resistor Value (Ω)	Max Total Brake Current (A)	Open Type Braking Resistor				NEMA1 Resistors with Thermal Switch		
					Part #	Qty.	Brake Torque (kg·m)	Total Brake Current (A)	Part #	Qty.	Total Brake Current (A)
120V	GS21-10P2	1/4	190.0	2	GS-BR-080W750	1	0.1	0.5	BR-N1-240W200	1	2.0
	GS21-10P5	1/2	95.0	4	GS-BR-080W200	1	0.3	1.9	BR-N1-240W150	1	2.6
	GS21-11P0	1	63.3	6	GS-BR-080W750	1	0.5		BR-N1-240W200	1	
230V	GS21-20P2	1/4	190.0	2	GS-BR-080W750	1	0.1	0.5	BR-N1-240W200	1	2.0
	GS21-20P5	1/2	95.0	4	GS-BR-080W200	1	0.3	1.9	BR-N1-240W150	1	2.6
	GS21-21P0	1	63.3	6	GS-BR-080W750	1	0.5		BR-N1-280W50	1	
	GS21-22P0	2	47.5	8	GS-BR-200W091	1	1	4.2	BR-N1-240W200	1	2.0
	GS21-23P0	3	38.0	10	GS-BR-300W070	1	1.5	5.4	BR-N1-280W50	1	7.8
	GS23-20P2	1/4	190.0	2	GS-BR-080W750	1	0.1	0.5	BR-N1-240W200	1	
	GS23-20P5	1/2	95.0	4	GS-BR-080W200	1	0.3	1.9	BR-N1-240W150	1	2.6
	GS23-21P0	1	63.3	6	GS-BR-080W750	1	0.5		BR-N1-280W50	1	
	GS23-22P0	2	47.5	8	GS-BR-200W091	1	1	4.2	BR-N1-800W25	1	15.6
	GS23-23P0	3	38.0	10	GS-BR-300W070	1	1.5	5.4	BR-N1-800W18P0	1	21.7
	GS23-25P0	5	19.0	20	GS-BR-400W040	1	2.5	9.5	BR-N1-1K1W15P0	1	26.0
	GS23-27P5	7 1/2	16.5	23	GS-BR-1K0W020	1	3.7	19	BR-N1-1K5W14P0	1	27.9
	GS23-2010	10	14.6	26	GS-BR-1K0W020	1	5.1		BR-N1-2K2W08P6	1	45.3
	GS23-2015	15	12.6	29	GS-BR-1K5W013	1	7.4	29	BR-N1-250W400	1	2.0
	GS23-2020	20	8.3	46	GS-BR-1K0W4P3 (x2 series)	2	10.2	44	BR-N1-240W200	1	3.9
460V	GS23-40P5	1/2	380.0	2	GS-BR-080W750	1	0.3	1	BR-N1-240W150	1	5.2
	GS23-41P0	1	190.0	4	GS-BR-080W750	1	0.5		BR-N1-500W200	1	3.9
	GS23-42P0	2	126.7	6	GS-BR-200W360	1	1	2.1	BR-N1-500W130	1	6.0
	GS23-43P0	3	108.6	7	GS-BR-300W250	1	1.5	3	BR-N1-720W85	1	9.2
	GS23-45P0	5	84.4	9	GS-BR-400W150	1	2.5	5.1	BR-N1-1K2W50	1	15.6
	GS23-47P5	7 1/2	50.7	15	GS-BR-1K0W075	1	3.7	10.2	BR-N1-1K5W40	1	19.5
	GS23-4010	10	40.0	19	GS-BR-1K0W075	1	5.1		BR-N1-1K7W30	1	26.0
	GS23-4015	15	33.0	23	GS-BR-1K5W043	1	7.4	17.6	BR-N1-2K3W26	1	30.0
	GS23-4020	20	26.2	29	GS-BR-1K0W016(x2 series)	2	10.2	24	BR-N1-2K8W25	1	31.2
	GS23-4025	25	26.2	29	GS-BR-1K0W016 (x2 series)	2	12.2		BR-N1-250W400	1	2.8
	GS23-4030	30	23.0	33	GS-BR-1K5W013 (x2 series)	2	14.9	29	BR-N1-240W200	1	5.6
575V	GS23-51P0	1	280.0	4	GS-BR-080W750	1	0.5	1.2	BR-N1-500W130	1	8.6
	GS23-52P0	2	186.7	6	GS-BR-200W360	1	1	2.6	BR-N1-720W85	1	13.2
	GS23-53P0	3	160.0	7	GS-BR-300W400	1	1.5	2.3	BR-N1-1K2W75	1	14.9
	GS23-55P0	5	93.3	12	GS-BR-500W100	1	2.5	9.2	BR-N1-240W150	1	2.6
	GS23-57P5	7 1/2	80.0	14	GS-BR-750W140	1	3.7	6.6	BR-N1-280W50	1	7.8
GS23-5010	10	70.0	16	GS-BR-1K0W075	1	5.1	12.3	BR-N1-240W200	1	2.0	
GS20X - 230V	GS21X-20P5	1/2	95.0	4	GS-BR-080W200	1	0.3	1.9	BR-N1-240W150	1	2.6
	GS21X-21P0	1	63.3	6	GS-BR-080W200	1	0.5		BR-N1-280W50	1	
	GS21X-22P0	2	47.5	8	GS-BR-200W091	1	1	4.2	BR-N1-240W200	1	2.0
	GS21X-23P0	3	38.0	10	GS-BR-300W070	1	1.5	5.4	BR-N1-240W150	1	2.6
	GS23X-20P5	1/2	190.0	2	GS-BR-080W200	1	0.1	0.5	BR-N1-280W50	1	
	GS23X-21P0	1	95.0	4	GS-BR-080W200	1	0.3	1.9	BR-N1-800W25	1	15.6
	GS23X-22P0	2	63.3	6	GS-BR-200W091	1	0.5		4.2	BR-N1-800W18P0	
	GS23X-23P0	3	47.5	8	GS-BR-300W070	1	1	4.2	BR-N1-240W200	1	3.9
	GS23X-25P0	5	38.0	10	GS-BR-400W040	1	1.5	5.4	BR-N1-500W200	1	6.0
GS20X - 460V	GS23X-27P5	7 1/2	19.0	20	GS-BR-1K0W020	1	2.5	9.5	BR-N1-500W130	1	8.6
	GS23X-40P5	1/2	380.0	2	GS-BR-080W750	1	0.3	1	BR-N1-720W85	1	9.2
	GS23X-41P0	1	190.0	4	GS-BR-080W750	1	0.5		BR-N1-1K2W50	1	15.6
	GS23X-42P0	2	126.7	6	GS-BR-200W360	1	1	2.1			
	GS23X-43P0	3	108.6	7	GS-BR-300W250	1	1.5	3			
GS23X-45P0	5	84.4	9	GS-BR-400W150	1	2.5	5.1				
GS23X-47P5	7 1/2	50.7	15	GS-BR-1K0W075	1	3.7	10.2				
GS23X-4010	10	40.0	19	GS-BR-1K0W075	1	5.1					

\* 10% Duty Cycle with maximum ON (braking) time for 10 seconds.