GS10/GS20 Series Optional Accessories - Braking

Braking Resistors Available for GS10/GS20(X) AC Drives

Use the table below to find the appropriate braking resistor model for your GS10 or GS20 series AC drive. For more information and installation instructions, please see the GSx series User Manual. All listed resistors are available for purchase at www.automationdirect.com.

GS10 and GS20(X) AC Drive Braking Component Selection

Drive Voltage	Motor Power		Drive Model		125% Braking Torque @ 10% Duty Cycle*				Max Braking Torque		
					Braking Resistor		Brake Torque (kg•m)	Total Brake Current (A)	Min Resistor Value (Ω)	Max Total Brake Current (A)	Peak Power (kW)
	(hp)	(kW)	GS10	GS20(X)	Qty.	Part #					
120V	1/4	0.2	GS11N-10P2	GS21-10P2	1	GS-BR-080W750	0.1	0.5	190.0	2	0.8
	1/2	0.4	GS11N-10P5	GS21-10P5	1	GS-BR-080W200	0.3	1.9	95.0	4	1.5
	1	0.75	GS11N-11P0	GS21-11P0	1	GS-BR-080W200	0.5	1.9	63.3	6	2.3
230V	1/4	0.2	GS11N-20P2	GS21-20P2	1	GS-BR-080W750	0.1	0.5	190.0	2	0.8
	1/2	0.4	GS11N-20P5	GS21-20P5	1	GS-BR-080W200	0.3	1.9	95.0	4	1.5
	1	0.75	GS11N-21P0	GS21-21P0	1	GS-BR-080W200	0.5	1.9	63.3	6	2.3
	2	1.5	GS11N-22P0	GS21-22P0	1	GS-BR-200W091	1	4.2	47.5	8	3.0
	3	2.2	GS11N-23P0	GS21-23P0	1	GS-BR-300W070	1.5	5.4	38.0	10	3.8
	1/4	0.2	GS13N-20P2	GS23-20P2	1	GS-BR-080W750	0.1	0.5	190.0	2	0.8
	1/2	0.4	GS13N-20P5	GS23-20P5	1	GS-BR-080W200	0.3	1.9	95.0	4	1.5
	1	0.75	GS13N-21P0	GS23-21P0	1	GS-BR-080W200	0.5	1.9	63.3	6	2.3
	2	1.5	GS13N-22P0	GS23-22P0	1	GS-BR-200W091	1	4.2	47.5	8	3.0
	3	2.2	GS13N-23P0	GS23-23P0	1	GS-BR-300W070	1.5	5.4	38.0	10	3.8
	5	3.7	GS13N-25P0	GS23-25P0	1	GS-BR-400W040	2.5	9.5	19.0	20	7.6
	7 1/2	5.5	GS13N-27P5	GS23-27P5	1	GS-BR-1K0W020	3.7	19	16.5	23	8.7
	10	7.5	–	GS23-2010	1	GS-BR-1K0W020	5.1	19	14.6	26	9.9
	15	11	–	GS23-2015	1	GS-BR-1K5W013	7.4	29	12.6	29	11.0
	20	15	–	GS23-2020	2	GS-BR-1K0W4P3 (x2 series)	10.2	44	8.3	46	17.5
460V	1/2	0.4	GS13N-40P5	GS23-40P5	1	GS-BR-080W750	0.3	1	380.0	2	1.5
	1	0.75	GS13N-41P0	GS23-41P0	1	GS-BR-080W750	0.5	1	190.0	4	3.0
	2	1.5	GS13N-42P0	GS23-42P0	1	GS-BR-200W360	1	2.1	126.7	6	4.6
	3	2.2	GS13N-43P0	GS23-43P0	1	GS-BR-300W250	1.5	3	108.6	7	5.3
	5	3.7	GS13N-45P0	GS23-45P0	1	GS-BR-400W150	2.5	5.1	84.4	9	6.8
	7 1/2	5.5	GS13N-47P5	GS23-47P5	1	GS-BR-1K0W075	3.7	10.2	50.7	15	11.4
	10	7.5	GS13N-4010	GS23-4010	1	GS-BR-1K0W075	5.1	10.2	40.0	19	14.4
	15	11	–	GS23-4015	1	GS-BR-1K5W043	7.4	17.6	33.0	23	17.5
	20	15	–	GS23-4020	2	GS-BR-1K0W016(x2 series)	10.2	24	26.2	29	22.0
	25	18	–	GS23-4025	2	GS-BR-1K0W016 (x2 series)	12.2	24	26.2	29	22.0
	30	22	–	GS23-4030	2	GS-BR-1K5W013 (x2 series)	14.9	29	23.0	33	25.1
575V	1	0.75	–	GS23-51P0	1	GS-BR-080W750	0.5	1.2	280.0	4	4.5
	2	1.5	–	GS23-52P0	1	GS-BR-200W360	1	2.6	186.7	6	6.7
	3	2.2	–	GS23-53P0	1	GS-BR-300W400	1.5	2.3	160.0	7	7.8
	5	3.7	–	GS23-55P0	1	GS-BR-500W100	2.5	9.2	93.3	12	13.4
	7 1/2	5.5	–	GS23-57P5	1	GS-BR-750W140	3.7	6.6	80.0	14	15.7
	10	7.5	–	GS23-5010	1	GS-BR-1K0W075	5.1	12.3	70.0	16	17.9
GS20X - 230V	1/2	0.4	–	GS21X-20P5	1	GS-BR-080W200	0.3	1.9	95.0	4	1.5
	1	0.75	–	GS21X-21P0	1	GS-BR-080W200	0.5	1.9	63.3	6	2.3
	2	1.5	–	GS21X-22P0	1	GS-BR-200W091	1	4.2	47.5	8	3.0
	3	2.2	–	GS21X-23P0	1	GS-BR-300W070	1.5	5.4	38.0	10	3.8
	1/2	0.2	–	GS23X-20P5	1	GS-BR-080W200	0.1	0.5	190.0	2	0.8
	1	0.4	–	GS23X-21P0	1	GS-BR-080W200	0.3	1.9	95.0	4	1.5
	2	0.75	–	GS23X-22P0	1	GS-BR-200W091	0.5	1.9	63.3	6	2.3
	3	1.5	–	GS23X-23P0	1	GS-BR-300W070	1	4.2	47.5	8	3.0
	5	2.2	–	GS23X-25P0	1	GS-BR-400W040	1.5	5.4	38.0	10	3.8
	7 1/2	3.7	–	GS23X-27P5	1	GS-BR-1K0W020	2.5	9.5	19.0	20	7.6
GS20X - 460V	1/2	0.4	–	GS23X-40P5	1	GS-BR-080W750	0.3	1	380.0	2	1.5
	1	0.75	–	GS23X-41P0	1	GS-BR-080W750	0.5	1	190.0	4	3.0
	2	1.5	–	GS23X-42P0	1	GS-BR-200W360	1	2.1	126.7	6	4.6
	3	2.2	–	GS23X-43P0	1	GS-BR-300W250	1.5	3	108.6	7	5.3
	5	3.7	–	GS23X-45P0	1	GS-BR-400W150	2.5	5.1	84.4	9	6.8
	7 1/2	5.5	–	GS23X-47P5	1	GS-BR-1K0W075	3.7	10.2	50.7	15	11.4
	10	7.5	–	GS23X-4010	1	GS-BR-1K0W075	5.1	10.2	40.0	19	14.4

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