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Find the *Hitachi SJ100-007NFU* at our website: *Click HERE*

SJ100 Dynamic Braking Selection Chart

SJ100 Series Internal Dynamic Braking Table

1/4 to10 hp (0.2 to 7.5 kW)			Using Internal Resistor		Using Optional External Resistor		Performance @ Minimum Resistance			Minimum Resistance @ 100% Braking Duty Cycle (Ω)
Voltage Class	Model Number	Motor hp	Braking Unit	Braking Torque @ 60 Hz (without external resistor) (%)	External Resistance (Ω)	Braking Torque @ 60 Hz (%)	Minimum Resistance (Ω)	Braking Torque @ 60 Hz (%)	Maximum Braking Duty Cycle (%)	
200 V	SJ100-002NFU/E	1/4	Built-in	50	180	150	100	200	10	150
	SJ100-004NFU/E	1/2	Built-in	50	180	150	100	200	10	150
	SJ100-005NFE	3/4	Built-in	50	180	150	100	200	10	150
	SJ100-007NFU/E	1	Built-in	50	100	150	35	200	10	150
	SJ100-011NFE	1.5	Built-in	50	50	150	35	200	10	150
	SJ100-015NFU/E	2	Built-in	50	50	150	35	200	10	100
	SJ100-022NFU/E	3	Built-in	20	50	100	35	150	10	100
	SJ100-037LFU	5	Built-in	20	35	100	35	100	10	100
	SJ100-055LFU	7.5	Built-in	20	17	80	17	80	10	50
	SJ100-075LFU	10	Built-in	20	17	80	17	80	10	50
400 V	SJ100-004HFU/E	1/2	Built-in	50	180	150	180	150	10	500
	SJ100-007HFU/E	1	Built-in	50	180	150	180	150	10	300
	SJ100-015HFU/E	2	Built-in	50	180	150	180	150	10	300
	SJ100-022HFU/E	3	Built-in	20	100	100	100	100	10	300
	SJ100-030HFE	4	Built-in	20	100	100	100	100	10	200
	SJ100-040HFU/E	5	Built-in	20	100	100	100	100	10	200
	SJ100-055HFU/E	7.5	Built-in	20	70	80	70	80	10	200
	SJ100-075HFU/E	10	Built-in	20	70	80	70	80	10	150

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SJ100 200 V Class Resistor Selection Table

SJ100 200 V Class External Braking Resistor Selection Chart

200 V Class	Dynamic Braking Resistor Selection											
Model Number SJ100	JRB Series				SRB/NSRB Series				HRB Series			
	Type & (Qty)	Total Ohms	Total Watts	Max. Duty Cycle (%)	Type & (Qty)	Total Ohms	Total Watts	Max. Duty Cycle (%)	Type & (Qty)	Total Ohms	Total Watts	Max. Duty Cycle (%)
SJ100-002NFU/E	120-1	180	120	5.0	200-1	180	200	10.0				
SJ100-004NFU/E	120-1	180	120	5.0	200-1	180	200	10.0				
SJ100-005NFE	120-1	180	120	5.0	200-1	180	200	10.0				
SJ100-007NFU/E	120-2	100	120	2.5	200-2	100	200	7.5				
SJ100-011NFE	120-2	100	120	2.5	200-2	100	200	7.5				
SJ100-015NFU/E	120-3	50	120	1.5	300-1	50	300	7.5				
SJ100-022NFU/E	120-3	50	120	1.5	300-1	50	300	7.5				
SJ100-037LFU	120-4	35	120	1.0	400-1	35	400	7.5				
SJ100-055LFU	120-4 x (2) in parallel	17.5	240	1.0	400-1 x (2) in parallel	17.5	800	7.5	HRB3	17	1200	10.0
SJ100-075LFU	120-4 x (2) in parallel	17.5	240	1.0	400-1 x (2) in parallel	17.5	800	7.5	HRB3	17	1200	10.0

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SJ100 400 V Class Resistor Selection Table

SJ100 400 V Class External Braking Resistor Selection Chart

400 V Class	Dynamic Braking Resistor Selection											
Model Number SJ100	JRB Series				SRB/NSRB Series				HRB Series			
	Type & (Qty)	Total Ohms	Total Watts	Max. Duty Cycle (%)	Type & (Qty)	Total Ohms	Total Watts	Max. Duty Cycle (%)	Type & (Qty)	Total Ohms	Total Watts	Max. Duty Cycle (%)
SJ100-004HFU/E	120-1	180	120	2.0	200-1	180	200	4.0				
SJ100-007HFU/E	120-1	180	120	2.0	200-1	180	200	4.0				
SJ100-015HFU/E	120-1	180	120	2.0	200-1	180	200	4.0				
SJ100-022HFU/E	120-2	100	120	1.5	200-2	100	200	3.0				
SJ100-030HFE	120-2	100	120	1.5	200-2	100	200	3.0				
SJ100-040HFU/E	120-2	100	120	1.5	200-2	100	200	3.0				
SJ100-055HFU/E	120-4 x (2) in series	70	240	1.0	400-1 x (2) in series	70	800	7.5	RB2 x (2) in series	70	1200	10.0
SJ100-075HFU/E	120-4 x (2) in series	70	240	1.0	400-1 x (2) in series	70	800	7.5	RB2 x (2) in series	70	1200	10.0

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