MITSUBISHI ELECTRIC
Changes for the Better

DB Resistor Selection
For Mitsubishi Drives

Post Glover
"The Resistor Specialists"

FR-A800 Series Drive

						Standard Resistors							
						10% Braking Duty		25% Braking Duty		33% Braking Duty		50% Braking Duty	
Mitsubishi Drive	Input Voltage (VAC)	Normal Duty HP	VFD Minimum Ohms	Mitsubishi Suggested Ohms	Post Glover Ohm Rating	DB Part Number	Enclosure	DB Part Number	Enclosure	DB Part Number	Enclosure	DB Part Number	Enclosure
FR-A820-00046	230	1	100Ω	150Ω	150Ω	M150R250W	EN00	M150R250W	EN00	M150R250W	EN00	M150R250W	EN00
FR-A820-00077	230	2	80Ω	121Ω	90Ω	M90R250W	EN00	M90R250W	EN00	M90R500W	EN01	M90R500W	EN01
FR-A820-00105	230	3	50Ω	67Ω	56Ω	M56R360W	EN00	M56R360W	EN00	M56R720W	EN01	M56R720W	DB3C
FR-A820-00167	230	5	33Ω	40Ω	36Ω	M36R360W	EN00	M36R720W	EN01	M36R720W	EN01	M36R1K08	DB3C
FR-A820-00250	230	7.5	30Ω	36Ω	30Ω	M30R720W	EN01	M30R1K08	DB3C	M30R1K08	DB3C	M30R1K7	EN03
FR-A820-00340	230	10	18Ω	24Ω	18Ω	M18R720W	EN01	M18R1K08	DB3C	M18R1K8	EN03	M18R2K4	EN04
FR-A820-00490	230	15	18Ω	19.8Ω	18Ω	M18R720W	EN01	M18R1K8	EN03	M18R2K4	EN04	M18R3K6	EN06
FR-A820-00630	230	20	12Ω	14Ω	12Ω	M12R1K08	DB3C	M12R2K40	EN04	M12R3K0	EN04	M12R5K0	EN09
FR-A820-00770	230	25	8.5Ω	10Ω	8.5Ω	M8F5R1K44	EN02	M8F5R2K8	EN04	M8F5R3K8	EN06	M8F5R6K0	EN09
FR-A820-00930	230	30	6.5Ω	7Ω	6.5Ω	M6F5R1K44	EN02	M6F5R3K6	EN06	M6F5R4K5	EN06	M6F5R6K8	EN09
FR-A820-01250	230	40	6.5Ω	7Ω	6.5Ω	M6F5R1K8	EN03	M6F5R4K5	EN06	M6F5R6K0	EN09	M6F5R9K0	EN18
FR-A840-00023	460	1	371Ω	410Ω	400Ω	M400R250W	EN00	M400R250W	EN00	M400R250W	EN00	M400R250W	EN00
FR-A840-00038	460	2	236Ω	400Ω	250Ω	M250R300W	EN00	M250R300W	EN00	M250R300W	EN00	M250R500	EN01
FR-A840-00052	460	3	190Ω	250Ω	250Ω	M250R300W	EN00	M250R360W	EN00	M250R580	EN01	M250R750	DB3C
FR-A840-00083	460	5	130Ω	150Ω	140Ω	M140R300W	EN00	M140R560W	EN01	M140R850W	DB3C	M140R1K2	EN02
FR-A840-00126	460	7.5	83Ω	107Ω	97Ω	M97R360W	EN01	M97R1K08	DB3C	M97R1K08	DB3C	M97R1K8	EN03
FR-A840-00170	460	10	66Ω	75Ω	75Ω	M75R600W	EN01	M75R1K08	DB3C	M75R1K44	EN02	M75R2K4	EN03
FR-A840-00250	460	15	45Ω	55Ω	50Ω	M50R720W	EN01	M50R1K8	EN03	M50R2K4	EN03	M50R3K6	EN06
FR-A840-00310	460	20	34Ω	39Ω	39Ω	M39R1K08	DB3C	M39R2K4	EN04	M39R3K4	EN04	M39R4K5	EN06
FR-A840-00380	460	25	34Ω	39Ω	34Ω	M34R1K44	EN02	M34R2K88	EN04	M34R3K9	EN06	M34R6K0	EN09
FR-A840-00470	460	30	21Ω	30Ω	25Ω	M25R1K44	EN02	M25R3K6	EN06	M25R4K8	EN06	M25R7K20	EN18
FR-A840-00620	460	40	21Ω	24Ω	21Ω	M21R1K8	EN03	M21R4K5	EN06	M21R6K5	EN09	M21R10K1	EN18
FR-A840-00770	460	50	13.5Ω	17Ω	14Ω	M14R2K5	EN04	M14R5K6	EN09	M14R8K0	EN18	M14R11K6	EN18
FR-A840-00930	460	60	13.5Ω	14Ω	13.5Ω	M13F5R3K0	EN04	M13F5R6K7	EN09	M13F5R9K0	EN18	M13F5R13K4	EN18
FR-A840-01160	460	75	13.5Ω	13.7Ω	13.5Ω	M13F5R3K6	EN06	M13F5R9K0	EN18	M13F5R11K2	EN18	M13F5R19K2	HNS
FR-A840-01800	460	100	13.5Ω	13.5Ω	13.5Ω	M13F5R4K5	EN06	M13F5R11K2	EN18	M13F5R15K0	EN18	M13F5R25K6	HNS

Date Created: February, 2022
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E800 Series Drive

					Standard Resistors			
Mitsubishi Drive	Input Voltage (VAC)	Motor kW	Braking Torque	Rated Resistor Ohms	10% Braking Duty DB Part Number	25% Braking Duty DB Part Number	33% Braking Duty DB Part Number	50% Braking Duty DB Part Number
FR-E820-0030	230	400	100%	110	RFP-V-200-110	RFP-V-200-110	RFP-V-200-110	RFP-V-200-110
FR-E820-0050	230	750	100%	88	RFP-V-200-88	RFP-V-200-88	RFP-V-200-88	RFP-V-200-88
FR-E820-0080	230	1500	100%	66	RFP-V-200-66	RFP-V-200-66	RFP-V-300-66	RFP-V-400-66
FR-E820-00110	230	2200	100%	66	RFP-V-200-66	RFP-V-300-66	RFP-V-400-66	2*RFP-V-300-132
FR-E820-0170	230	3700	100%	44	RFP-V-200-44	RFP-V-500-44	2*RFP-V-300-88	2*RFP-V-500-88
FR-E820-00240	230	5500	100%	28	RFP-V-300-28	2*RFP-V-400-56	2*RFP-V-500-56	DB28D0-1K44-10200AA0
FR-E820-0330	230	7500	100%	22	RFP-V-400-22	2*RFP-V-500-44	DB22D0-1K44-10200AA0	DB22D0-2K16-10300AA0
FR-E840-0016	460	400	100%	390	RFP-V-300-390	RFP-V-300-390	RFP-V-300-390	RFP-V-300-390
FR-E840-0026	460	750	100%	260	RFP-V-300-260	RFP-V-300-260	RFP-V-300-260	RFP-V-300-260
FR-E840-0040	460	1500	100%	220	RFP-V-200-220	RFP-V-200-220	RFP-V-300-220	RFP-V-400-220
FR-E840-0060	460	2200	100%	195	RFP-V-200-195	RFP-V-300-195	RFP-V-400-195	2*RFP-V-300-390
FR-E840-0095	460	3700	100%	143	RFP-V-200-143	RFP-V-500-143	2*RFP-V-300-286	2*RFP-V-500-286
FR-E840-0120	460	5500	100%	103	RFP-V-300-103	2*RFP-V-400-206	2*RFP-V-500-206	DB0100-1K44-10200AA0
FR-E840-0170	460	7500	100%	74	RFP-V-400-74	2*RFP-V-500-148	DB74D0-1K44-10200AA0	DB74D0-2K16-10300AA0
FR-E820S-0030	230/1Ø	400	100%	110	RFP-V-200-110	RFP-V-200-110	RFP-V-200-110	RFP-V-200-110
FR-E820S-0050	230/1Ø	750	100%	88	RFP-V-200-88	RFP-V-200-88	RFP-V-200-88	RFP-V-200-88
FR-E820S-0080	230/1Ø	1500	100%	66	RFP-V-200-66	RFP-V-200-66	RFP-V-300-66	RFP-V-400-66
FR-E820S-0110	230/1Ø	2200	100%	66	RFP-V-200-66	RFP-V-300-132	RFP-V-400-66	2*RFP-V-300-132

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