



A1000 - Dynamic Braking

Dynamic Braking Options, 10% Duty Cycle for A1000 Drive

200-400V, 3-Phase Normal Duty | 200-400V, 3-Phase Heavy Duty | 380-480V, 3-Phase Normal Duty | 380-480V, 3-Phase Heavy Duty | 500-600V, 3-Phase Normal Duty | 500-600V, 3-Phase Heavy Duty

Dynamic Braking Resistor Reference Documents

Braking Resistors | ED Drawings | GCE Drawings

200-240V, 3-Phase Dynamic Braking Resistor, 10% Normal Duty

Drive Model Number CIMR-	Normal Duty Nominal HP	Braking Unit		10% DB Resistor				Minimum Resistance (Ohms) ²	Configuration
		Part Number CDBR-	Qty	Dynamic Braking Resistor Part Number	Qty Required	Resistance (Ohms) (Each)	Approx. Braking Torque (%)		
AU2A0004FAA	1/2 & 3/4	Built-in		URS000262	1	250	100	48	Single
AU2A0006FAA	1			URS000264	1	125	100	48	Single
AU2A0008FAA	2	Built-in		URS000265	1	95	100	48	Single
AU2A0010FAA	2 & 3			URS000266	1	63	100	48	Single
AU2A0012FAA	3	Built-in		URS000267	1	38	100	16	Single
AU2A0018FAA	5								
AU2A0021FAA	7.5	Built-in		URS000268	1	26	100	16	Single
AU2A0030FAA	7.5 & 10			URS000269	1	19	100	16	Single
AU2A0040FAA	15	Built-in		URS000270	1	12.6	100	9.6	Single
AU2A0056FAA	20			URS000271	1	9.6	100	9.6	Single
AU2A0069FAA	25	Built-in		URS000272	1	7.5	100	9.6	Single
AU2A0081FAA	30			URS000273	1	6.3	100	9.6	Single
AU2A0110FAA	40	Built-in		URS000274	1	4.9	100	6.4	Single
AU2A0138FAA	50			URS000117	1	4.2	100	6.4	Single
AU2A0169FAA	60	21100D	1	URS000100	1	2.1	150	1.6	Single
AU2A0211FAA	75			URS000096	1	1.6	150	1.6	Single
AU2A0250FAA	100	21100D &	1 ea	URS000096 & URS000128	1 ea	1.6 & 6.8	150	1.6 & 6.4	Single/Single

AU2A0250FAA	75	21100D	1 ea	URS000096	1	1.6	150	1.6	Single/Single
AU2A0312AAA	100	21100D & 20220D	1 ea	URS000096 & URS000128	1 ea	1.6 & 6.8	150	1.6 & 6.4	Single/Single
AU2A0360AAA	125		1 & 2	URS000096 & URS000127	1 ea	1.6 & 6.8	150	1.6 & 6.4	Single/Double
AU2A0415AAA	150	21100D	2	URS000097	2	1.6	150	1.6	Single

¹Horsepower rating is based on standard NEMA B 4-pole motor design as represented in NEC table 430.150 Full-Load Current, Three-Phase Alternating Current Motors.

²The value shown for the minimum connection resistance is that for a single braking unit. Select a resistance value higher than the connectable resistance value and enough to generate the required braking torque.

³Single = 1 resistor per package

Dual = 2 resistors per package (requires 2 DB transistor modules, as indicated in table above)

Triple = 3 resistors per package (requires 3 DB transistor modules, as indicated in table above)

Top

380-480V, 3-Phase Dynamic Braking Resistor, 10% Normal Duty

Drive Model Number	Normal Duty	Braking Unit		10% DB Resistor					Configuration
		Part Number	Qty	Dynamic Braking Resistor Part Number	Qty Required	Resistance (Ohms) (Each)	Approx. Braking Torque (%)	Minimum Resistance (Ohms) ²	
CIMR-	Nominal HP	CDBR-							
AU4A0002FAA	3/4 & 1	Built-in		URS000240	1	750	100	96	Single
AU4A0004FAA	2			URS000241	1	375	100	96	Single
AU4A0005FAA	3	Built-in		URS000242	1	250	100	64	Single
AU4A0007FAA	4			URS000243	1	150	100	64	Single
AU4A0009FAA	5	Built-in		URS000243	1	150	100	32	Single
AU4A0011FAA	7.5			URS000244	1	100	100	32	Single
AU4A0018FAA	10	Built-in		URS000245	1	75	100	32	Single
AU4A0023FAA	15			URS000246	1	50	100	32	Single
AU4A0031FAA	20	Built-in		URS000247	1	38	100	20	Single
AU4A0038FAA	25			URS000248	1	30	100	20	Single
AU4A0044FAA	30	Built-in		URS000249	1	25	100	19.2	Single
AU4A0058FAA	40			URS000250	1	19	100	19.2	Single
AU4A0072FAA	50	Built-in		URS000251	1	15	100	19.2	Single
AU4A0088FAA	60	40450D	1	URS000144	1	13.6	150	12.8	Single

AU4A0103FAA	75	40450D	2	URS000143	1	13.6	150	12.8	Double
AU4A0139FAA	100	42200D	1	URS000119	1	4.2	150	3.2	Single
AU4A0165FAA	125	42200D	1	URS000119	1	4.2	150	3.2	Single
AU4A0208FAA	150			URS000165	1	3.2	150	3.2	Single
AU4A0250AAA	200	42200D & 40450D	1 ea	URS000165 & URS000142	1 ea	3.2 & 13.6	150	3.2 & 12.8	Single/Singl
AU4A0296AAA	250	42200D & 40450D	1 & 2	URS000165 & URS000143	1 ea	3.2 & 13.6	150	3.2 & 12.8	Single/Doubl
AU4A0362AAA	300	42200D	2	URS000166	1	3.2	150	3.2	Double
AU4A0414AAA	350								
AU4A0515AAA	400 & 450	42200D	3	URS000167	1	3.2	150	3.2	Triple
AU4A0675AAA	500	42200D	3	URS000167	1	3.2	150	3.2	Triple
	550		4	URS000166	2	3.2	150	3.2	Double/Doub
AU4A0930AAA	600 & 700	42200D	4	URS000166	2	3.2	150	3.2	Double/Doub
	750		5	URS000166 & URS000167	1 ea	3.2 & 3.2	150	3.2	Triple/Doubl
AU4A1200AAA	800 - 1000	42200D	6	URS000167	2	3.2	150	3.2	3 x Double

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³Single = 1 resistor per package

Dual = 2 resistors per package (requires 2 DB transistor modules, as indicated in table above)

Triple = 3 resistors per package (requires 3 DB transistor modules, as indicated in table above)

Top

380-480V, 3-Phase Dynamic Braking Resistor, 10% Heavy Duty

Drive Model Number	Heavy Duty	Braking Unit		10% DB Resistor			Approx. Braking Torque (%)	Minimum Resistance (Ohms) ²	Configuratio
		Part Number	Qty	Dynamic Braking Resistor Part Number	Qty Required	Resistance (Ohms) (Each)			
CIMR-	Nominal HP	CDBR-							
AU4A0002FAA	3/4	Built-in		URS000252	1	500	150	96	Single

AU4A0004FAA	1 & 2	Built-in		URS000253	1	250	150	96	Single
AU4A0005FAA	3			URS000254	1	170	150	64	Single
AU4A0007FAA	3			URS000254	1	170	150	64	Single
AU4A0009FAA	4	Built-in		URS000255	1	100	150	32	Single
AU4A0011FAA	5			URS000255	1	100	150	32	Single
AU4A0018FAA	7.5 & 10	Built-in		URS000256	1	67	150	32	Single
AU4A0023FAA	10			URS000257	1	50	150	32	Single
AU4A0031FAA	15	Built-in		URS000258	1	34	150	20	Single
AU4A0038FAA	20			URS000259	1	25	150	20	Single
AU4A0044FAA	25	Built-in		URS000259	1	25	150	19.2	Single
AU4A0058FAA	30			URS000260	1	17	150	19.2	Single
AU4A0072FAA	40	Built-in		URS000261	1	12.6	150	19.2	Single
AU4A0088FAA	50	40450D	2	URS000151	1	18	150	12.8	Double
AU4A0103FAA	60								
AU4A0139FAA	75	42200D	1	URS000143	1	13.6	150	3.2	Double
AU4A0165FAA	100	42200D	1	URS000119	1	4.2	150	3.2	Single
AU4A0208FAA	125 & 150								
AU4A0250AAA	150	42200D	1	URS000165	1	3.2	150	3.2	Single
AU4A0296AAA	200	42200D & 40450D	1 ea	URS000165 & URS000142	1 ea	3.2 & 13.6	150	3.2 & 12.8	Single/Single
AU4A0362AAA	250	42200D & 40450D	1 & 2	URS000165 & URS000143	1 ea	3.2 & 13.6	150	3.2 & 12.8	Single/Double
AU4A0414AAA	300	42200D	2	URS000166	1	3.2	150	3.2	Double
AU4A0515AAA	350								
AU4A0675AAA	400-500	42200D	3	URS000167	1	3.2	150	3.2	Triple
AU4A0930AAA	550-600		4		2				Double/Double
AU4A1200AAA	700	42200D	4	URS000166	2	3.2	150	3.2	Double/Double
	750		5	URS000166 & URS000167	1 ea	3.2	150	3.2	Triple/Double
			800-1000	6	URS000167	2	3.2	150	3.2

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