

# Power Accessories



*\*All product manuals and user guides are available for free download at [www.controltechniques.com](http://www.controltechniques.com)*

## **Note Regarding DB Resistor Duty Cycles**

**E-Stop** - sized to absorb 6 times the motor inertia, 1800 rpm and three quick stops in rapid succession

**10%** - 10% continuous regeneration (of specific HP) OR 10% duty cycle with 10 seconds max on time - which ever is worst case

**25%** - 25% continuous regeneration (of specific HP) OR 25% duty cycle with 30 seconds max on time - which ever is worst case

**33%** - 33% continuous regeneration (of specific HP) OR 40% duty cycle with 40 seconds max on time - which ever is worst case



# AC Drive Input Line Reactors 230V

Note: Average Impedance is 3%



## 230 VAC, Single Phase 50/60 Hz

Drive	Built in Inductor	Inductance		Order Code	Chassis Mount Dimensions H x W x D (in)	Weight (lbs)
		Amps	(µH)			
SKA1200025	No	6.5	2250	4402-0224	2.9 x 2.6 x 3.6	2.1
SKA1200037	No	6.5	2250	4402-0224	2.9 x 2.6 x 3.6	2.1
SKA1200055	No	15.1	1000	4402-0225	3.3 x 3 x 4	2.9
SKA1200075	No	15.1	1000	4402-0225	3.3 x 3 x 4	2.9
SKBD200110	No	15.1	1000	4402-0225	3.3 x 3 x 4	2.9
SKBD200150	No	26.2	500	4402-0226	3.3 x 3.6 x 4.2	4.0
SKCD200220	No	26.2	500	4402-0226	3.3 x 3.6 x 4.2	4.0
SKDD200300	Yes	26.2	500	4402-0226	3.3 x 3.6 x 4.2	4.0
SP0201	No	6.5	2250	4402-0224	2.9 x 2.6 x 3.6	2.1
SP0202	No	15.1	1000	4402-0225	3.3 x 3 x 4	2.9
SP0203	No	15.1	1000	4402-0225	3.3 x 3 x 4	2.9
SP0204	No	15.1	1000	4402-0225	3.3 x 3 x 4	2.9
SP0205	No	26.2	500	4402-0226	3.3 x 3.6 x 4.2	4.0

Consult Factory or MyDrives for Availability

## 230 VAC, 3-Phase 50/60 Hz

Drive	Built in Inductor	Inductance			Order Code	Chassis Mount Dimensions H x W x D (in)	Weight (lbs)	NEMA 1 Enclosed		
		Amps	(µH)	Watts Loss				Order Code	Dimensions H x W x D (in)	Weight (lbs)
SKBD200110	No	7.6	1500	19.2	LRL007A6-C	3.7 x 4.5 x 1.5	1.8	LRL007A6-E	8 x 8 x 6	8.8
SKBD200150	No	11	1000	26.8	LRL0011A-C	5 x 4.4 x 2.8	2.7	LRL0011A-E	8 x 8 x 6	9.7
SKCD200220	No	14	790	32.7	LRL0014A-C	5.3 x 4.4 x 2.8	2.8	LRL0014A-E	8 x 8 x 6	9.8
SKDD200300	Yes	14	790	32.7	LRL0014A-C	5.3 x 4.4 x 2.8	2.8	LRL0014A-E	8 x 8 x 6	9.8
SKD3200400	Yes	21	530	38.3	LRL0021A-C	5.3 x 4.4 x 3.3	4.2	LRL0021A-E	13.3 x 13.2 x 13.1	22.2
SP0201	No	3.4	3200	12.3	LRL003A4-C	3.7 x 4.5 x 1.5	1.6	LRL003A4-E	8 x 8 x 6	8.6
SP0202	No	4.8	2300	13.8	LRL004A8-C	3.7 x 4.5 x 1.5	1.7	LRL004A8-E	8 x 8 x 6	8.7
SP0203	No	7.6	1500	19.2	LRL007A6-C	3.7 x 4.5 x 1.5	1.8	LRL007A6-E	8 x 8 x 6	8.8
SP0204	No	11	1000	26.8	LRL0011A-C	5 x 4.4 x 2.8	2.7	LRL0011A-E	8 x 8 x 6	9.7
SP0205	No	11	1000	26.8	LRL0011A-C	5 x 4.4 x 2.8	2.7	LRL0011A-E	8 x 8 x 6	9.7
SP1201	No	7.6	1500	19.2	LRL007A6-C	3.7 x 4.5 x 1.5	1.8	LRL007A6-E	8 x 8 x 6	8.8
SP1202	No	11	1000	26.8	LRL0011A-C	5 x 4.4 x 2.8	2.7	LRL0011A-E	8 x 8 x 6	9.7
SP1203	No	14	790	32.7	LRL0014A-C	5.3 x 4.4 x 2.8	2.8	LRL0014A-E	8 x 8 x 6	9.8
SP1204	No	21	530	38.3	LRL0021A-C	5.3 x 4.4 x 3.3	4.2	LRL0021A-E	13.3 x 13.2 x 13.1	22.2
y2201	Yes	14	790	32.7	LRL0014A-C	5.3 x 4.4 x 2.8	2.8	LRL0014A-E	8 x 8 x 6	9.8
y2202	Yes	21	530	38.3	LRL0021A-C	5.3 x 4.4 x 3.3	4.2	LRL0021A-E	13.3 x 13.2 x 13.1	22.2
y2203	Yes	28	390	48.2	LRL0028A-C	5.3 x 4.4 x 3.5	5.1	LRL0028A-E	13.3 x 13.2 x 13.1	23.1
y3201	Yes	46	300	77	LRL0046A-C	6 x 7.2 x 3.8	13	LRL0046A-E	13.3 x 13.2 x 13.1	31
y3202	Yes	55	270	67	LRL0055A-C	6 x 7.2 x 4	18	LRL0055A-E	13.3 x 13.2 x 13.1	36
y4201	Yes	65	190	87	LRL0065A-C	6 x 7.2 x 4	18	LRL0065A-E	13.3 x 13.2 x 13.1	36
y4202	Yes	83	170	119	LRL0083A-C	6 x 7.2 x 4.3	19	LRL0083A-E	13.3 x 13.2 x 13.1	37
y4203	Yes	104	120	94	LRL0104A-C	6 x 7.2 x 6.5	22	LRL0104A-E	13.3 x 13.2 x 13.1	40
SP5201	Yes	130	95	132	LRL0130A-C	7.5 x 9.3 x 6.8	26	LRL0130A-E	13.3 x 13.2 x 13.1	44
SP5202	Yes	160	80	110	LRL0160A-C	7.5 x 9.3 x 6.8	34	LRL0160A-E	13.3 x 13.2 x 13.1	52

Consult Factory or MyDrives for Availability

y = SK for Commander SK or SP for Unidrive SP

Line reactors are recommended for AC drives that do not include a built in inductor  
For drive modules that include DC or AC inductors built in, the line reactors above provide additional impedance

Consult Factory for different % impedance and NEMA3R outdoor enclosure options



# AC Drive Output Load Reactors 230V

Note: Average Impedance is 3%

## 230 VAC 3-Phase

Drive	Amps	Inductance (µH)	Watts Loss	Chassis Mount			Nema 1 Enclosed		
				Order Code	Dimensions H x W x D (in)	Weight (lbs)	Order Code	Dimensions H x W x D (in)	Weight (lbs)
SKA1200025	2	6000	10.7	LRL0002-C	4.1 x 4.4 x 2.5	3	LRL0002-E	8 x 8 x 6	10
SKA1200037	4	3000	14.5	LRL0004-C	4.1 x 4.4 x 2.8	4	LRL0004-E	8 x 8 x 6	11
SKA1200055	4	3000	14.5	LRL0004-C	4.1 x 4.4 x 2.8	4	LRL0004-E	8 x 8 x 6	11
SKA1200075	4	3000	14.5	LRL0004-C	4.1 x 4.4 x 2.8	4	LRL0004-E	8 x 8 x 6	11
SKBD200110	8	1500	19.5	LRL0008-C	4.8 x 6 x 3	7	LRL0008-E	8 x 8 x 6	14
SKBD200150	8	1500	19.5	LRL0008-C	4.8 x 6 x 3	7	LRL0008-E	8 x 8 x 6	14
SKCD200220	12	1250	26	LRL0012-C	5 x 6 x 3.3	9	LRL0012-E	8 x 8 x 6	16
SKDD200300	18	800	36	LRL0018-C	5.3 x 6 x 3.2	9	LRL0018-E	8 x 8 x 6	16
SKD3200400	18	800	36	LRL0018-C	5.3 x 6 x 3.2	9	LRL0018-E	8 x 8 x 6	16
SP0201	4	3000	14.5	LRL0004-C	4.1 x 4.4 x 2.8	4	LRL0004-E	8 x 8 x 6	11
SP0202	4	3000	14.5	LRL0004-C	4.1 x 4.4 x 2.8	4	LRL0004-E	8 x 8 x 6	11
SP0203	4	3000	14.5	LRL0004-C	4.1 x 4.4 x 2.8	4	LRL0004-E	8 x 8 x 6	11
SP0204	8	1500	19.5	LRL0008-C	4.8 x 6 x 3	7	LRL0008-E	8 x 8 x 6	14
SP0205	8	1500	19.5	LRL0008-C	4.8 x 6 x 3	7	LRL0008-E	8 x 8 x 6	14
SP1201	8	1500	19.5	LRL0008-C	4.8 x 6 x 3	7	LRL0008-E	8 x 8 x 6	14
SP1202	8	1500	19.5	LRL0008-C	4.8 x 6 x 3	7	LRL0008-E	8 x 8 x 6	14
SP1203	12	1250	26	LRL0012-C	5 x 6 x 3.3	9	LRL0012-E	8 x 8 x 6	16
SP1204	12	1250	26	LRL0012-C	5 x 6 x 3.3	9	LRL0012-E	8 x 8 x 6	16
y2201	18	800	36	LRL0018-C	5.3 x 6 x 3.2	9	LRL0018-E	8 x 8 x 6	16
y2202	25	500	48	LRL0025-C	5.8 x 7.2 x 3.5	11	LRL0025-E	13 x 13 x 13	29
y2203	35	400	49	LRL0035-C	5.8 x 7.2 x 3.5	14	LRL0035-E	13 x 13 x 13	32
y3201	45	300	54	LRL0045-C	7.4 x 9 x 4.7	23	LRL0045-E	13 x 13 x 13	41
y3202	55	250	64	LRL0055-C	7.3 x 9 x 5.3	24	LRL0055-E	13 x 13 x 13	42
y4201	80	200	82	LRL0080-C	7.2 x 9 x 6.3	25	LRL0080-E	13 x 13 x 13	43
y4202	100	150	94	LRL0100-C	7.3 x 9 x 6.5	29	LRL0100-E	13 x 13 x 13	47
y4203	130	100	108	LRL0130-C	7 x 9 x 4.7	29	LRL0130-E	13 x 13 x 13	47
SP5201	160	75	116	LRL0160-C	7.2 x 9 x 6.8	41	LRL0160-E	13 x 13 x 13	59
SP5202	160	75	116	LRL0160-C	7.2 x 9 x 6.8	41	LRL0160-E	13 x 13 x 13	59

Consult Factory or MyDrives for Availability

y = SK for Commander SK or SP for Unidrive SP

Consult Factory for different % impedance and NEMA3R outdoor enclosure options



# AC Drive Input Line Reactors 460V

Note: Average Impedance is 3%

## 460 VAC, 3-Phase 50/60 Hz

Drive	Built in Inductor	Inductance			Chassis Mount			NEMA 1 Enclosed		
		Amps	(µH)	Watts Loss	Order Code	Dimensions H x W x D (in)	Weight (lbs)	Order Code	Dimensions H x W x D (in)	Weight (lbs)
SKB3400055	No	3.4	6800	19.6	LRM003A4-C	3.7 x 4.5 x 1.5	1.6	LRM002A1-E	8 x 8 x 6	8.6
SKB3400055	No	3.4	6800	19.6	LRM003A4-C	3.7 x 4.5 x 1.5	1.6	LRM003A4-E	8 x 8 x 6	8.6
SKB3400075	No	3.4	6800	19.6	LRM003A4-C	3.7 x 4.5 x 1.5	1.6	LRM003A4-E	8 x 8 x 6	8.6
SKB3400110	No	4.8	4800	20	LRM004A8-C	3.7 x 4.5 x 1.5	1.8	LRM004A8-E	8 x 8 x 6	8.8
SKB3400150	No	7.6	3000	37.2	LRM007A6-C	5 x 4.4 x 2.8	2.8	LRM007A6-E	8 x 8 x 6	9.8
SKC3400220	No	11	2100	40.9	LRM0011A-C	5 x 4.4 x 3.1	4.2	LRM0011A-E	8 x 8 x 6	11.2
SKC3400300	No	11	2100	40.9	LRM0011A-C	5 x 4.4 x 3.1	4.2	LRM0011A-E	8 x 8 x 6	11.2
SKC3400400	No	14	1600	48.2	LRM0014A-C	5 x 4.4 x 3.1	4.3	LRM0014A-E	8 x 8 x 6	11.3
SKD3400550	Yes	14	1600	48.2	LRM0014A-C	5 x 4.4 x 3.1	4.3	LRM0014A-E	8 x 8 x 6	11.3
SKD3400750	Yes	21	1100	57.4	LRM0021A-C	6.1 x 6 x 2.6	7.2	LRM0021A-E	13.3 x 13.2 x 13.1	25.2
SP0401	No	2.1	11000	14.3	LRM002A1-C	3.7 x 4.5 x 1.5	1.6	LRM002A1-E	8 x 8 x 6	8.6
SP0402	No	3.4	6800	19.6	LRM003A4-C	3.7 x 4.5 x 1.5	1.6	LRM003A4-E	8 x 8 x 6	8.6
SP0403	No	3.4	6800	19.6	LRM003A4-C	3.7 x 4.5 x 1.5	1.6	LRM003A4-E	8 x 8 x 6	8.6
SP0404	No	4.8	4800	20	LRM004A8-C	3.7 x 4.5 x 1.5	1.8	LRM004A8-E	8 x 8 x 6	8.8
SP0405	No	7.6	3000	37.2	LRM007A6-C	5 x 4.4 x 2.8	2.8	LRM007A6-E	8 x 8 x 6	9.8
SP1401	No	4.8	4800	20	LRM004A8-C	3.7 x 4.5 x 1.5	1.8	LRM004A8-E	8 x 8 x 6	8.8
SP1402	No	7.6	3000	37.2	LRM007A6-C	5 x 4.4 x 2.8	2.8	LRM007A6-E	8 x 8 x 6	9.8
SP1403	No	7.6	3000	37.2	LRM007A6-C	5 x 4.4 x 2.8	2.8	LRM007A6-E	8 x 8 x 6	9.8
SP1404	No	11	2100	40.9	LRM0011A-C	5 x 4.4 x 3.1	4.2	LRM0011A-E	8 x 8 x 6	11.2
SP1405	Yes	11	2100	40.9	LRM0011A-C	5 x 4.4 x 3.1	4.2	LRM0011A-E	8 x 8 x 6	11.2
SP1406	Yes	14	1600	48.2	LRM0014A-C	5 x 4.4 x 3.1	4.3	LRM0014A-E	8 x 8 x 6	11.3
y2401	Yes	21	1100	57.4	LRM0021A-C	6.1 x 6 x 2.6	7.2	LRM0021A-E	13.3 x 13.2 x 13.1	25.2
y2402	Yes	21	1100	57.4	LRM0021A-C	6.1 x 6 x 2.6	7.2	LRM0021A-E	13.3 x 13.2 x 13.1	25.2
y2403	Yes	35	710	102	LRM0035A-C	6 x 7.2 x 3.8	13	LRM0035A-E	13.3 x 13.2 x 13.1	31
y2404	Yes	35	710	102	LRM0035A-C	6 x 7.2 x 3.8	13	LRM0035A-E	13.3 x 13.2 x 13.1	31
y3401	Yes	35	710	102	LRM0035A-C	6 x 7.2 x 3.8	13	LRM0035A-E	13.3 x 13.2 x 13.1	31
y3402	Yes	46	550	99	LRM0046A-C	6 x 7.2 x 4.3	17	LRM0046A-E	13.3 x 13.2 x 13.1	35
y3403	Yes	55	480	109	LRM0055A-C	6 x 7.2 x 4.3	20	LRM0055A-E	13.3 x 13.2 x 13.1	38
y4401	Yes	65	380	105	LRM0065A-C	6 x 7.2 x 4.3	22	LRM0065A-E	13.3 x 13.2 x 13.1	40
y4402	Yes	83	290	155	LRM0083A-C	7 x 9 x 6.5	26	LRM0083A-E	13.3 x 13.2 x 13.1	44
y4403	Yes	104	230	200	LRM0104A-C	7 x 9 x 7	28	LRM0104A-E	13.3 x 13.2 x 13.1	46
y5401	Yes	130	180	197	LRM0130A-C	7.5 x 9.3 x 6.8	37	LRM0130A-E	13.3 x 13.2 x 13.1	55
y5402	Yes	160	155	195	LRM0160A-C	7.5 x 9.3 x 8.3	49	LRM0160A-E	13.3 x 13.2 x 13.1	67
y6401	Yes	250	95	284	LRM0250A-C	7.5 x 9.3 x 8.5	55	LRM0250A-E	24 x 16.9 x 18.4	82
y6402	Yes	250	95	284	LRM0250A-C	7.5 x 9.3 x 8.5	55	LRM0250A-E	24 x 16.9 x 18.4	82

Consult Factory or MyDrives for Availability

y = SK for Commander SK or SP for Unidrive SP

Line reactors are recommended for AC drives that do not include a built in inductor

For drive modules that include DC or AC inductors built in, the line reactors above provide additional impedance

Consult Factory for different % impedance requirements and NEMA3R outdoor enclosure options



# AC Drive Output Load Reactors 460V

Note: Average Impedance is 1.5%

## 460 VAC, 3-Phase

Drive	Inductance			Chassis Mount			NEMA 1 Enclosed		
	Amps	(µH)	Watts Loss	Order Code	Dimensions H x W x xM (in)	Weight (lbs)	Order Code	Dimensions H x W x D (in)	Weight (lbs)
SKB3400037	2	6000	10.7	LRL0002-C	4.1 x 4.4 x 2.5	3	LRL0002-E	8 x 8 x 6	10
SKB3400055	2	6000	10.7	LRL0002-C	4.1 x 4.4 x 2.5	3	LRL0002-E	8 x 8 x 6	10
SKB3400075	4	6500	20	LRM0004-C	4.1 x 4.4 x 2.8	4	LRM0004-E	8 x 8 x 6	11
SKB3400110	4	3000	14.5	LRL0004-C	4.1 x 4.4 x 2.8	4	LRL0004-E	8 x 8 x 6	11
SKB3400150	4	3000	14.5	LRL0004-C	4.1 x 4.4 x 2.8	4	LRL0004-E	8 x 8 x 6	11
SKC3400220	8	3000	29	LRM0008-C	4.8 x 6 x 3	8	LRM0008-E	8 x 8 x 6	15
SKC3400300	8	1500	19.5	LRL0008-C	4.8 x 6 x 3	7	LRL0008-E	8 x 8 x 6	14
SKC3400400	12	1250	26	LRL0012-C	5 x 6 x 3.3	9	LRL0012-E	8 x 8 x 6	16
SKD3400550	18	800	36	LRL0018-C	5.3 x 6 x 3.2	9	LRL0018-E	8 x 8 x 6	16
SKD3400750	18	800	36	LRL0018-C	5.3 x 6 x 3.2	9	LRL0018-E	8 x 8 x 6	16
SP0401	2	6000	10.7	LRL0002-C	4.1 x 4.4 x 2.5	3	LRL0002-E	8 x 8 x 6	10
SP0402	2	6000	10.7	LRL0002-C	4.1 x 4.4 x 2.5	3	LRL0002-E	8 x 8 x 6	10
SP0403	4	6500	20	LRM0004-C	4.1 x 4.4 x 2.8	4	LRM0004-E	8 x 8 x 6	11
SP0404	4	3000	14.5	LRL0004-C	4.1 x 4.4 x 2.8	4	LRL0004-E	8 x 8 x 6	11
SP0405	8	3000	29	LRM0008-C	4.8 x 6 x 3	8	LRM0008-E	8 x 8 x 6	15
SP1401	4	3000	14.5	LRL0004-C	4.1 x 4.4 x 2.8	4	LRL0004-E	8 x 8 x 6	11
SP1402	4	3000	14.5	LRL0004-C	4.1 x 4.4 x 2.8	4	LRL0004-E	8 x 8 x 6	11
SP1403	8	3000	29	LRM0008-C	4.8 x 6 x 3	8	LRM0008-E	8 x 8 x 6	15
SP1404	8	1500	19.5	LRL0008-C	4.8 x 6 x 3	7	LRL0008-E	8 x 8 x 6	14
SP1405	12	1250	26	LRL0012-C	5 x 6 x 3.3	9	LRL0012-E	8 x 8 x 6	16
SP1406	12	1250	26	LRL0012-C	5 x 6 x 3.3	9	LRL0012-E	8 x 8 x 6	16
y2401	18	800	36	LRL0018-C	5.3 x 6 x 3.2	9	LRL0018-E	8 x 8 x 6	16
y2402	25	500	48	LRL0025-C	5.8 x 7.2 x 3.5	11	LRL0025-E	13 x 13 x 13	29
y2403	35	400	49	LRL0035-C	5.8 x 7.2 x 3.5	14	LRL0035-E	13 x 13 x 13	32
y2404	35	400	49	LRL0035-C	5.8 x 7.2 x 3.5	14	LRL0035-E	13 x 13 x 13	32
y3401	35	400	49	LRL0035-C	5.8 x 7.2 x 3.5	14	LRL0035-E	13 x 13 x 13	32
y3402	45	300	54	LRL0045-C	7.4 x 9 x 4.7	23	LRL0045-E	13 x 13 x 13	41
y3403	80	200	82	LRL0080-C	7.2 x 9 x 6.3	25	LRL0080-E	13 x 13 x 13	43
y4401	80	200	82	LRL0080-C	7.2 x 9 x 6.3	25	LRL0080-E	13 x 13 x 13	43
y4402	100	150	94	LRL0100-C	7.3 x 9 x 6.5	29	LRL0100-E	13 x 13 x 13	47
y4403	130	100	108	LRL0130-C	7 x 9 x 4.7	29	LRL0130-E	13 x 13 x 13	47
y5401	160	75	116	LRL0160-C	7.2 x 9 x 6.8	41	LRL0160-E	13 x 13 x 13	59
y5402	200	55	124	LRL0200-C	7.5 x 9 x 7.3	38	LRL0200-E	13 x 13 x 13	56
y6401	250	45	154	LRL0250-C	7.5 x 9 x 9	47	LRL0250-E	13 x 13 x 13	65
y6402	250	45	154	LRL0250-C	7.5 x 9 x 9	47	LRL0250-E	13 x 13 x 13	65

Consult Factory or MyDrives for Availability

y = SK for Commander SK or SP for Unidrive SP

Consult Factory for different % impedance requirements and NEMA3R outdoor enclosure options



# AC Drive Input Line Reactors 575V & 690V

Note: Average Impedance is 2.5%

## 575 VAC, 3-Phase 50/60 Hz

Drive	Amps	Inductance (µH)	Watts Loss	Chassis Mount			NEMA 1 Enclosed		
				Order Code	Dimensions H x W x D (in)	Weight (lbs)	Order Code	Dimensions H x W x D (in)	Weight (lbs)
y3501	7.6	4800	47.8	LRH007A6-C	5 x 4.4 x 3.1	4.1	LRH007A6-E	8 x 8 x 6	11.1
y3502	7.6	4800	47.8	LRH007A6-C	5 x 4.4 x 3.1	4.1	LRH007A6-E	8 x 8 x 6	11.1
y3503	11	3300	54.4	LRH0011A-C	5 x 4.4 x 3.5	5.3	LRH0011A-E	8 x 8 x 6	12.3
y3504	14	2600	60.6	LRH0011A-C	5 x 4.4 x 3.5	5.3	LRH0011A-E	8 x 8 x 6	12.3
y3505	21	1800	73.5	LRH0021A-C	6.1 x 6 x 3.3	10	LRH0021A-E	13.3 x 13.2 x 13.1	28
y3506	28	1300	93.8	LRH0028A-C	6.1 x 6 x 3.3	10.4	LRH0028A-E	13.3 x 13.2 x 13.1	28.4
y3507	28	820	66.8	LRM0028A-C	6.1 x 6 x 3.3	9	LRM0028A-E	13.3 x 13.2 x 13.1	27
y4601	28	820	66.8	LRM0028A-C	6.1 x 6 x 3.3	9	LRM0028A-E	13.3 x 13.2 x 13.1	27
y4602	28	820	66.8	LRM0028A-C	6.1 x 6 x 3.3	9	LRM0028A-E	13.3 x 13.2 x 13.1	27
y4603	35	710	102	LRM0035A-C	6 x 7.2 x 3.8	13	LRM0035A-E	13.3 x 13.2 x 13.1	31
y4604	46	550	99	LRM0046A-C	6 x 7.2 x 4.3	17	LRM0046A-E	13.3 x 13.2 x 13.1	35
y4605	55	480	109	LRM0055A-C	6 x 7.2 x 4.3	20	LRM0055A-E	13.3 x 13.2 x 13.1	38
y4606	65	380	105	LRM0065A-C	6 x 7.2 x 4.3	22	LRM0065A-E	13.3 x 13.2 x 13.1	40
y5601	83	290	155	LRM0083A-C	7 x 9 x 6.5	26	LRM0083A-E	13.3 x 13.2 x 13.1	44
y5602	104	230	200	LRM0104A-C	7 x 9 x 7	28	LRM0104A-E	13.3 x 13.2 x 13.1	46
y6601	130	180	197	LRM0130A-C	7.5 x 9.3 x 6.8	37	LRM0130A-E	13.3 x 13.2 x 13.1	55
y6602	160	155	195	LRM0160A-C	7.5 x 9.3 x 8.3	49	LRM0160A-E	13.3 x 13.2 x 13.1	67

Consult Factory or MyDrives for Availability

y = SK for Commander SK or SP for Unidrive SP

## 690 VAC, 3-Phase 50/60 Hz

Drive	Amps	Inductance (µH)	Watts Loss	Chassis Mount			NEMA 1 Enclosed		
				Order Code	Dimensions H x W x D (in)	Weight (lbs)	Order Code	Dimensions H x W x D (in)	Weight (lbs)
y4601	28	1300	93.8	LRH0028A-C	6.1 x 6 x 3.3	10.4	LRH0028A-E	13.3 x 13.2 x 13.1	28.4
y4602	28	1300	93.8	LRH0028A-C	6.1 x 6 x 3.3	10.4	LRH0028A-E	13.3 x 13.2 x 13.1	28.4
y4603	35	710	102	LRM0035A-C	6 x 7.2 x 3.8	13	LRM0035A-E	13.3 x 13.2 x 13.1	31
y4604	46	550	99	LRM0046A-C	6 x 7.2 x 4.3	17	LRM0046A-E	13.3 x 13.2 x 13.1	35
y4605	55	480	109	LRM0055A-C	6 x 7.2 x 4.3	20	LRM0055A-E	13.3 x 13.2 x 13.1	38
y4606	65	380	105	LRM0065A-C	6 x 7.2 x 4.3	22	LRM0065A-E	13.3 x 13.2 x 13.1	40
y5601	83	290	155	LRM0083A-C	7 x 9 x 6.5	26	LRM0083A-E	13.3 x 13.2 x 13.1	44
y5602	104	230	200	LRM0104A-C	7 x 9 x 7	28	LRM0104A-E	13.3 x 13.2 x 13.1	46
y6601	130	180	197	LRM0130A-C	7.5 x 9.3 x 6.8	37	LRM0130A-E	13.3 x 13.2 x 13.1	55
y6602	160	155	195	LRM0160A-C	7.5 x 9.3 x 8.3	49	LRM0160A-E	13.3 x 13.2 x 13.1	67

Consult Factory or MyDrives for Availability

y = SK for Commander SK or SP for Unidrive SP

All of the drive modules include DC or AC inductors built in. The line reactors above provide additional impedance

Consult Factory for different % impedance requirements and NEMA3R outdoor enclosure options



# AC Drive Output Load Reactors 575V & 690V

Note: Average Impedance is 1.5%

## 575 VAC, 3-Phase

Drive	Amps	Inductance (µH)	Watts Loss	Chassis Mount			NEMA 1 Enclosed		
				Order Code	Dimensions H x W x D (in)	Weight (lbs)	Order Code	Dimensions H x W x D (in)	Weight (lbs)
y3501	8	3000	29	LRM0008-C	4.8 x 6 x 3	8	LRM0008-E	8 x 8 x 6	15
y3502	8	3000	29	LRM0008-C	4.8 x 6 x 3	8	LRM0008-E	8 x 8 x 6	15
y3503	12	1250	26	LRL0012-C	5 x 6 x 3.3	9	LRL0012-E	8 x 8 x 6	16
y3504	12	1250	26	LRL0012-C	5 x 6 x 3.3	9	LRL0012-E	8 x 8 x 6	16
y3505	18	800	36	LRL0018-C	5.3 x 6 x 3.2	9	LRL0018-E	8 x 8 x 6	16
y3506	25	500	48	LRL0025-C	5.8 x 7.2 x 3.5	11	LRL0025-E	13 x 13 x 13	29
y3507	35	400	49	LRL0035-C	5.8 x 7.2 x 3.5	14	LRL0035-E	13 x 13 x 13	32
y4603	45	300	54	LRL0045-C	7.4 x 9 x 4.7	23	LRL0045-E	13 x 13 x 13	41
y4604	45	300	54	LRL0045-C	7.4 x 9 x 4.7	23	LRL0045-E	13 x 13 x 13	41
y4605	55	250	64	LRL0055-C	7.3 x 9 x 5.3	24	LRL0055-E	13 x 13 x 13	42
y4606	80	200	82	LRL0080-C	7.2 x 9 x 6.3	25	LRL0080-E	13 x 13 x 13	43
y5601	100	150	94	LRL0100-C	7.3 x 9 x 6.5	29	LRL0100-E	13 x 13 x 13	47
y5602	100	150	94	LRL0100-C	7.3 x 9 x 6.5	29	LRL0100-E	13 x 13 x 13	47
y6601	130	100	108	LRL0130-C	7 x 9 x 4.7	29	LRL0130-E	13 x 13 x 13	47
y6602	160	75	116	LRL0160-C	7.2 x 9 x 6.8	41	LRL0160-E	13 x 13 x 13	59

Consult Factory or MyDrives for Availability

y = SK for Commander SK or SP for Unidrive SP

## 690 VAC, 3-Phase 50/60 Hz

Drive	Amps	Inductance (µH)	Watts Loss	Chassis Mount			NEMA 1 Enclosed		
				Order Code	Dimensions H x W x D (in)	Weight (lbs)	Order Code	Dimensions H x W x D (in)	Weight (lbs)
y4601	25	1200	52	LRM0025-C	5.8 x 7.2 x 3.5	14	LRM0025-E	13 x 13 x 13	32
y4602	35	800	54	LRM0035-C	5.8 x 7.2 x 4	16	LRM0035-E	13 x 13 x 13	34
y4603	45	700	62	LRM0045-C	7.4 x 9 x 4.7	28	LRM0045-E	13 x 13 x 13	46
y4604	45	300	54	LRL0045-C	7.4 x 9 x 4.7	23	LRL0045-E	13 x 13 x 13	41
y4605	55	250	64	LRL0055-C	7.3 x 9 x 5.3	24	LRL0055-E	13 x 13 x 13	42
y4606	80	200	82	LRL0080-C	7.2 x 9 x 6.3	25	LRL0080-E	13 x 13 x 13	43
y5601	100	150	94	LRL0100-C	7.3 x 9 x 6.5	29	LRL0100-E	13 x 13 x 13	47
y5602	100	150	94	LRL0100-C	7.3 x 9 x 6.5	29	LRL0100-E	13 x 13 x 13	47
y6601	130	100	108	LRL0130-C	7 x 9 x 4.7	29	LRL0130-E	13 x 13 x 13	47
y6602	160	150	149	LRM0160-C	8.3 x 10.8 x 6	50	LRM0160-E	13 x 13 x 13	68

Consult Factory or MyDrives for Availability

y = SK for Commander SK or SP for Unidrive SP

Consult Factory for different % impedance requirements and NEMA3R outdoor enclosure options

**Line Reactors for DC Drives 230V Input**

Note: Average Impedance is 3%

**Mentor MP and Quantum MP**

Drive	Inductance Watts			Chassis Mount			NEMA 1 Enclosed		
	Amps	(µH)	Loss	Order Code	Dimensions H x W x D (in)	Weight (lbs)	Order Code	Dimensions H x W x D (in)	Weight (lbs)
y25	21	530	38.3	LRL0021A-C	5.3 x 4.4 x 3.3	4.2	LRL0021A-E	13.3 x 13.2 x 13.1	22.2
y45	46	300	77	LRL0046A-C	6 x 7.2 x 3.8	13	LRL0046A-E	13.3 x 13.2 x 13.1	31
y75	83	170	119	LRL0083A-C	6 x 7.2 x 4.3	19	LRL0083A-E	13.3 x 13.2 x 13.1	37
y105	104	120	94	LRL0104A-C	6 x 7.2 x 6.5	22	LRL0104A-E	13.3 x 13.2 x 13.1	40
y155	160	80	110	LRL0160A-C	7.5 x 9.3 x 6.8	34	LRL0160A-E	13.3 x 13.2 x 13.1	52
y210	200	60	159	LRL0200A-C	7.5 x 9.3 x 7.0	34	LRL0200A-E	24 x 16.9 x 18.4	61
z350	322	50	300	LRL0322A-C	7.5 x 9.3 x 9	57	LRL0322A-E	24 x 16.9 x 18.4	84
z420	414	33	333	LRL0414A-C	8.8 x 9 x 9.5	78	LRL0414A-E	47 x 26.5 x 24.9	222
z550	515	25	314	LRL0515A-C	8.8 x 9 x 9.5	81	LRL0515A-E	47 x 26.5 x 24.9	225
z700	600	20	375	LRL0600A-C	8.8 x 9 x 10.5	86	LRL0600A-E	47 x 26.5 x 24.9	230
z825	750	17	468	LRL0750A-C	8.8 x 9 x 11.5	105	LRL0750A-E	47 x 26.5 x 24.9	249
z900	850	15	798	LRL0850-C	15.5 x 17.8 x 14.5	195	LRL0850-E	47 x 27 x 25	339
z1200	1200	9	980	LRL1200-C	15.5 x 17.8 x 14.5	195	LRL1200-E	72 x 26.5 x 25	415
z1850	Consult Factory								

Consult Factory or MyDrives for Availability

y = Mentor MP or Quantum MP

z = Mentor MP

Consult Factory for different % impedance requirements and NEMA3R outdoor enclosure options



# Line Reactors for DC Drives 460V Input

Note: Average Impedance is 3%

## Mentor MP and Quantum MP

Drive	Inductance			Order Code	Chassis Mount		Order Code	NEMA 1 Enclosed	
	Amps	( $\mu$ H)	Watts Loss		Dimensions H x W x D (in)	Weight (lbs)		Dimensions H x W x D (in)	Weight (lbs)
y25	28	820	36	LRM0028A-C	6.1 x 6 x 3.3	9	LRM0028A-E	13.3 x 13.2 x 13.1	27
y45	46	550	99	LRM0046A-C	6 x 7.2 x 4.3	17	LRM0046A-E	13.3 x 13.2 x 13.1	35
y75	83	290	155	LRM0083A-C	7 x 9 x 6.5	26	LRM0083A-E	13.3 x 13.2 x 13.1	44
y105	104	230	200	LRM0104A-C	7 x 9 x 7	28	LRM0104A-E	13.3 x 13.2 x 13.1	46
y155	160	155	195	LRM0160A-C	7.5 x 9.3 x 8.3	49	LRM0160A-E	13.3 x 13.2 x 13.1	67
y210	200	115	224	LRM0200A-C	7.5 x 9.3 x 8.3	49	LRM0200A-E	24 x 16.9 x 18.4	82
y350	322	70	383	LRM0322A-C	8.8 x 10.8 x 8.5	76	LRM0322A-E	47 x 26.5 x 24.9	220
y420	414	66	531	LRM0414A-C	8.8 x 9 x 11.5	98	LRM0414A-E	47 x 26.5 x 24.9	242
y550	515	50	496	LRM0515A-C	8.8 x 9 x 12	118	LRM0515A-E	47 x 26.5 x 24.9	262
y700	600	40	747	LRM0600A-C	11.5 x 14.4 x 12.5	144	LRM0600A-E	47 x 26.5 x 24.9	288
y825	750	35	630	LRM0750A-C	11.5 x 14.4 x 12.5	179	LRM0750A-E	47 x 26.5 x 24.9	323
y900	850	27	930	LRM0850-C	15.5 x 17.8 x 15.5	215	LRM0850-E	47 x 27 x 25	359
z1200	1200	19	1130	LRM1200-C	15.5 x 17.8 x 17.8	275	LRM1200-E	72 x 26.5 x 25	495
z1850	Consult Factory								

Consult Factory or MyDrives for Availability

y = Mentor MP or Quantum MP

z = Mentor MP

Consult Factory for different % impedance requirements and NEMA3R outdoor enclosure options



# Line Reactors for DC Drives 575V & 690V Input

Note: Average Impedance is 2.5%

## Mentor MP 575V

Drive	Amps	Inductance (µH)	Watts Loss	Chassis Mount			NEMA 1 Enclosed		
				Order Code	Dimensions H x W x D (in)	Weight (lbs)	Order Code	Dimensions H x W x D (in)	Weight (lbs)
MP25A5	28	1300	93.8	LRH0028A-C	6.1 x 6 x 3.3	10.4	LRH0028A-E	13.3 x 13.2 x 13.1	28.4
MP45A5	46	550	99	LRM0046A-C	6 x 7.2 x 4.3	17	LRM0046A-E	13.3 x 13.2 x 13.1	35
MP75A5	83	290	105	LRM0065A-C	6 x 7.2 x 4.3	22	LRM0065A-E	13.3 x 13.2 x 13.1	40
MP105A5	104	230	200	LRM0104A-C	7 x 9 x 7	28	LRM0104A-E	13.3 x 13.2 x 13.1	46
MP155A5	160	155	195	LRM0160A-C	7.5 x 9.3 x 8.3	49	LRM0160A-E	13.3 x 13.2 x 13.1	67
MP210A5	200	115	224	LRM0200A-C	7.5 x 9.3 x 8.3	49	LRM0200A-E	24 x 16.9 x 18.4	82
MP350A5	322	70	383	LRM0322A-C	8.8 x 10.8 x 8.5	76	LRM0322A-E	47 x 26.5 x 24.9	220
MP470A5	414	66	531	LRM0414A-C	8.8 x 9 x 11.5	98	LRM0414A-E	47 x 26.5 x 24.9	242
MP700A5	750	35	838	LRM0750A-C	11.5 x 14.4 x 12.5	179	LRM0750A-E	47 x 26.5 x 24.9	323
MP825A5	750	35	838	LRM0750A-C	11.5 x 14.4 x 12.5	179	LRM0750A-E	47 x 26.5 x 24.9	323
MP1200A5	1200	30	1550	LRH1200-C	15.4 x 17.4 x 18.3	390	LRH1200-E	72 x 26.5 x 25	610
MP1850A5	Consult Factory								

Consult Factory or MyDrives for Availability

## Mentor MP 690V

Drive	Amps	Inductance (µH)	Watts Loss	Chassis Mount			NEMA 1 Enclosed		
				Order Code	Dimensions H x W x D (in)	Weight (lbs)	Order Code	Dimensions H x W x D (in)	Weight (lbs)
MP350A6	322	70	383	LRM0322A-C	8.8 x 10.8 x 8.5	76	LRM0322A-C	8.8 x 10.8 x 8.5	76
MP470A6	414	66	531	LRM0414A-C	8.8 x 9 x 11.5	98	LRM0414A-C	8.8 x 9 x 11.5	98
MP700A6	750	35	838	LRM0750A-C	11.5 x 14.4 x 12.5	179	LRM0750A-C	11.5 x 14.4 x 12.5	179
MP825A6	750	35	838	LRM0750A-C	11.5 x 14.4 x 12.5	179	LRM0750A-C	11.5 x 14.4 x 12.5	179
MP1200A6	1200	30	1550	LRH1200-C	15.4 x 17.4 x 18.3	390	LRH1200-E	72 x 26.5 x 25	610
MP1850A6	Consult Factory								

Consult Factory or MyDrives for Availability

Consult Factory for different % impedance requirements and NEMA3R outdoor enclosure options



# EMC (RFI) Filters

## 115 VAC, Single Phase 50/60 Hz

Drive Size	Phase	Frame	Heavy Duty		Schaffner Brand Std Leakage			Schaffner Brand Low Leakage		
			HP	Amps	Order Code	Dimensions H x W x D (in)	Weight (lbs)	Order Code	Dimensions H x W x D (in)	Weight (lbs)
SKA1100025	1	A	0.33	1.7	4200-6122	8 x 3 x 1.6	0.9	4200-6123	8 x 3 x 1.6	1.0
SKA1100037	1	A	0.5	2.2	4200-6122	8 x 3 x 1.6	0.9	4200-6123	8 x 3 x 1.6	1.0
SKB1100075	1	B	1	4	4200-6216	10.2 x 3.2 x 1.6	1.5			
SKB1100110	1	B	1.5	5.2	4200-6216	10.2 x 3.2 x 1.6	1.5			

Consult Factory or MyDrives for Availability

## 230 VAC 50/60 Hz

Drive	Phase	Frame	Heavy Duty		Schaffner Brand Std Leakage			Schaffner Brand Low Leakage		
			HP	Amps	Order Code	Dimensions H x W x D (in)	Weight (lbs)	Order Code	Dimensions H x W x D (in)	Weight (lbs)
SKA1200025	1	A	0.33	1.7	4200-6122	8 x 3 x 1.6	0.9	4200-6123	8 x 3 x 1.6	1.0
SKA1200037	1	A	0.5	2.2	4200-6122	8 x 3 x 1.6	0.9	4200-6123	8 x 3 x 1.6	1.0
SKA1200055	1	A	0.75	3	4200-6122	8 x 3 x 1.6	0.9	4200-6123	8 x 3 x 1.6	1.0
SKA1200075	1	A	1	4	4200-6122	8 x 3 x 1.6	0.9	4200-6123	8 x 3 x 1.6	1.0
SKBD200110	1	B	1.5	5.2	4200-6212	8 x 3 x 1.6	1.3	4200-6214	10.2 x 3.2 x 1.6	1.4
SKBD200150	1	B	2	7	4200-6212	8 x 3 x 1.6	1.3	4200-6214	10.2 x 3.2 x 1.6	1.4
SKCD200220	1	C	3	9.6	4200-6310	12.1 x 3.7 x 1.8	1.9	4200-6312	12.1 x 3.7 x 1.8	2.0
SKDD200300	1	D	3	12.6	4200-6409	16.4 x 4.5 x 2	3.6	4200-6410	16.4 x 4.5 x 2	3.6
DST02xx & SP02xx	1	0	1	4.7	4200-6000	14.1 x 2.4 x 1.1	2.6			
SKBD200110	3	B	1.5	5.2	4200-6213	10.2 x 3.2 x 1.6	1.4			
SKBD200150	3	B	2	7	4200-6213	10.2 x 3.2 x 1.6	1.4	4200-6215	10.2 x 3.2 x 1.6	1.4
SKCD200220	3	C	3	9.6	4200-6311	12.1 x 3.7 x 1.8	4.4	4200-6217	12.2 x 3.7 x 1.8	1.7
SKDD200300	3	D	3	12.6	4200-6411	16.4 x 4.5 x 2	3.4	4200-6412	16.4 x 4.5 x 2	
SKD3200400	3	D	5	17	4200-6411	16.4 x 4.5 x 2	3.4	4200-6211	17 x 6.1 x 2.2	7.3
DST02xx & SP02xx	3	0	2	7.6	4200-6001	14.1 x 2.4 x 1.1	2.6			

Note:

Consult Factory or MyDrives for Availability

Low Leakages has approximately 1/10 the leakage current & generally meets EN61800-6-4, but maximum motor cable lengths are significantly shorter.

## 230 VAC, 3-Phase 50/60 Hz

Drive	Normal Duty		Heavy Duty		Schaffner Brand			Epcos Brand		
	HP	Amps	HP	Amps	Order Code	Dimensions H x W x D (in)	Weight (lbs)	Order Code	Dimensions H x W x D (in)	Weight (lbs)
SP1201	1.5	5.2	1	4.3	4200-6118	17.4 x 4 x 1.8	3.1	4200-6121	17.7 x 4 x 1.8	4.6
SP1202	2	6.8	1.5	5.8	4200-6118	17.4 x 4 x 1.8	3.1	4200-6121	17.7 x 4 x 1.8	4.6
SP1203	3	9.6	2	7.5	4200-6119	17.4 x 4 x 1.8	3.1	4200-6120	17.7 x 4 x 1.8	4.6
SP1204	3	11	3	10.6	4200-6119	17.4 x 4 x 1.8	3.1	4200-6120	17.7 x 4 x 1.8	4.6
y2201	5	15.5	3	12.6	4200-6210	17 x 6.1 x 2.2	4.4	4200-6211	17 x 6.1 x 2.2	7.3
y2202	7.5	22	5	17	4200-6210	17 x 6.1 x 2.2	4.4	4200-6211	17 x 6.1 x 2.2	7.3
y2203	10	28	7.5	25	4200-6210	17 x 6.1 x 2.2	4.4	4200-6211	17 x 6.1 x 2.2	7.3
y3201	15	42	10	31	4200-6307	16.3 x 10 x 2.4	7.7	4200-6306	16.8 x 10 x 2.4	11.2
y3202	20	54	15	42	4200-6307	16.3 x 10 x 2.4	7.7	4200-6306	16.8 x 10 x 2.4	11.2
y4201	25	68	20	56	4200-6406	11.8 x 9 x 4	8.8	4200-6405	11.8 x 8.2 x 3.6	17.2
y4202	30	80	25	68	4200-6406	11.8 x 9 x 4	8.8	4200-6405	11.8 x 8.2 x 3.6	17.2
y4203	40	104	30	80	4200-6406	11.8 x 9 x 4	8.8	4200-6405	11.8 x 8.2 x 3.6	17.2

y = SK for Commander SK, or SP for Unidrive SP

Consult Factory or MyDrives for Availability



# EMC (RFI) Filters

## 460 VAC, 3-Phase 50/60 Hz

Drives					Schaffner Brand			Epcos Brand		
Drive	Normal Duty		Heavy Duty		Order Code	Dimensions	Weight	Order Code	Dimensions	Weight
	HP	Amps	HP	Amps		H x W x D (in)	(lbs)		H x W x D (in)	(lbs)
SKB3400037	0.5	1.3	0.5	1.3	4200-6213	10.2 x 3.2 x 1.6	1.4	4200-6215	10.2 x 3.2 x 1.6	1.4
SKB3400055	0.75	1.7	0.75	1.7	4200-6213	10.2 x 3.2 x 1.6	1.4	4200-6215	10.2 x 3.2 x 1.6	1.4
SKB3400075	1	2.1	1	2.1	4200-6213	10.2 x 3.2 x 1.6	1.4	4200-6215	10.2 x 3.2 x 1.6	1.4
SKB3400110	1.5	2.8	1.5	2.8	4200-6213	10.2 x 3.2 x 1.6	1.4	4200-6215	10.2 x 3.2 x 1.6	1.4
SKB3400150	2	3.8	2	3.8	4200-6213	10.2 x 3.2 x 1.6	1.4	4200-6215	10.2 x 3.2 x 1.6	1.4
SKC3400220	3	5.1	3	5.1	4200-6311	12.1 x 3.7 x 1.8	4.4	4200-6217	12.2 x 3.7 x 1.8	1.7
SKC3400300	3	7.2	3	7.2	4200-6311	12.1 x 3.7 x 1.8	4.4	4200-6211	17 x 6.1 x 2.2	7.3
SKC3400400	5	9	5	9	4200-6311	12.1 x 3.7 x 1.8	4.4	4200-6211	17 x 6.1 x 2.2	7.3
SKD3400550	7.5	13	7.5	13	4200-6411	16.4 x 4.5 x 2	3.4	4200-6211	17 x 6.1 x 2.2	7.3
SKD3400750	10	16.5	10	16.5	4200-6411	16.4 x 4.5 x 2	3.4	4200-6211	17 x 6.1 x 2.2	7.3
DST04xx & SP04xx	2	8	2	8	4200-6002	14.1 x 2.4 x 1.1	2.6			
SP1401	1.5	2.8	1	2.1	4200-6118	17.4 x 4 x 1.8	3.1	4200-6121	17.7 x 4 x 1.8	4.6
SP1402	2	3.8	1.5	3	4200-6118	17.4 x 4 x 1.8	3.1	4200-6121	17.7 x 4 x 1.8	4.6
SP1403	3	5	3	4.2	4200-6118	17.4 x 4 x 1.8	3.1	4200-6121	17.7 x 4 x 1.8	4.6
SP1404	5	6.9	3	5.8	4200-6118	17.4 x 4 x 1.8	3.1	4200-6121	17.7 x 4 x 1.8	4.6
SP1405	5	8.8	5	7.6	4200-6119	17.4 x 4 x 1.8	3.1	4200-6120	17.7 x 4 x 1.8	4.6
SP1406	7.5	11	5	9.5	4200-6119	17.4 x 4 x 1.8	3.1	4200-6120	17.7 x 4 x 1.8	4.6
y2401	10	15.3	7.5	13	4200-6210	17 x 6.1 x 2.2	4.4	4200-6211	17 x 6.1 x 2.2	7.3
y2402	15	21	10	16.5	4200-6210	17 x 6.1 x 2.2	4.4	4200-6211	17 x 6.1 x 2.2	7.3
y2403	20	29	15	25	4200-6210	17 x 6.1 x 2.2	4.4	4200-6211	17 x 6.1 x 2.2	7.3
y2404	20	29	20	29	4200-6210	17 x 6.1 x 2.2	4.4	4200-6211	17 x 6.1 x 2.2	7.3
y3401	25	35	25	32	4200-6305	16.3 x 10 x 2.4	7.7	4200-6306	16.8 x 10 x 2.4	11.2
y3402	30	43	30	40	4200-6305	16.3 x 10 x 2.4	7.7	4200-6306	16.8 x 10 x 2.4	11.2
y3403	40	56	30	46	4200-6305	16.3 x 10 x 2.4	7.7	4200-6306	16.8 x 10 x 2.4	11.2
y4401	50	68	40	60	4200-6406	11.8 x 9 x 4	8.8	4200-6405	11.8 x 8.2 x 3.6	17.2
y4402	60	83	50	74	4200-6406	11.8 x 9 x 4	8.8	4200-6405	11.8 x 8.2 x 3.6	17.2
y4403	75	104	75	96	4200-6406	11.8 x 9 x 4	8.8	4200-6405	11.8 x 8.2 x 3.6	17.2
y5401	100	138	100	124	4200-6503	11.8 x 9.8 x 4.8	15	4200-6501	11.8 x 9.8 x 4.8	26.5
y5402	150	168	125	156	4200-6503	11.8 x 9.8 x 4.8	15	4200-6501	11.8 x 9.8 x 4.8	26.5
y6401	150	202	150	180	4200-6603	11.6 x 9 x 5.4	11.6	4200-6601	14.3 x 9 x 5.8	19
SP6411	150	202	150	180	4200-6603	11.6 x 9 x 5.4	11.6	4200-6601	14.3 x 9 x 5.8	19
y6402	200	236	150	210	4200-6603	11.6 x 9 x 5.4	11.6	4200-6601	14.3 x 9 x 5.8	19
SP6412	200	236	150	210	4200-6603	11.6 x 9 x 5.4	11.6	4200-6601	14.3 x 9 x 5.8	19

Consult Factory or MyDrives for Availability

## 575 & 690 VAC, 3-Phase 50/60 Hz

Drives					Schaffner Brand			Epcos Brand		
Drive	Normal Duty		Heavy Duty		Order Code	Dimensions	Weight	Order Code	Dimensions	Weight
	HP	Amps	HP	Amps		H x W x D (in)	(lbs)		H x W x D (in)	(lbs)
y35xx	5-25	5-27	3-20	4-22	4200-6309	16.3 x 10 x 2.4	7.7	4200-6308	16.8 x 9.9 x 2.4	11.2
y46xx	30-60	22-62	25-50	19-52	4200-6408	11.8 x 9 x 4	8.4	4200-6407	11.8 x 8.1 x 3.6	17.6
y56xx	75-100	84-99	60-75	62-84	4200-6504	11.8 x 9 x 4	9.7	4200-6502	11.8 x 9.8 x 4.8	22
y66xx	125-150	125-144	100-125	100-125	4200-6604	14.1 x 9 x 5.4	11.6	4200-6602	14.3 x 9.0 x 5.8	19

y = SK for Commander SK, or SP for Unidrive SP

Consult Factory or MyDrives for Availability



# EMC (RFI) Filters for DC Drives

EMC(RFI) Filters for Mentor MP and Quantum MP Regenerative and Non-Regenerative Three Phase DC L

Drive Model*	Armature Supply			Field Supply		
	Order Code	Dimensions H x W x D (in)	Weight (lbs)	Order Code	Dimensions H x W x D (in)	Weight (lbs)
MP25A4	FN3258-75-52	10.6 x 3.1 x 5.3	6	FN3280H-8-29	5.6 x 5.6 x 3.1	1.8
MP45A4						
MP75A4						
MP105A4	FN3258H-180-40	15 x 4.7 x 6.7	13.2	FN3280H-25-33	7.1 x 6 x 4.5	2.9
MP155A4						
MP210A4						
MP350A4	FN3359-800-99	20.1 x 11 x 7	39.7	FN3280H-25-33	7.1 x 6 x 4.5	2.9
MP420A4						
MP550A4						
MP700A4						
MP825A4						
MP900A4						
MP1200A4	FN3359-1600-99	23.1 x 11.8 x 6.3	59.5	FN3280H-25-33	7.1 x 6 x 4.5	2.9
MP1850A4						

Consult Factory or MyDrives for Availability

### Notes:

\*Model number could also include a "Q" prefix for Quantum drives and an "R" suffix for regenerative versions

Alternative filters are available on demand

# Drive Isolation Transformers



HP	kVA	Primary Voltage	Secondary Voltage		Weight (lbs)	Dimensions H x W x D (in)	
			230VAC Order Code	460VAC Order Code			
5	7.5	230	8812-0007-1	8812-0007-2	150	21.5 x 19.4 x 20.2	
		460	8812-0007-3	8812-0007-4			
7.5	11	230	8812-0011-1	8812-0011-2	160		
		460	8812-0011-3	8812-0011-4			
10	14	230	8812-0014-1	8812-0014-2	170		
		460	8812-0014-3	8812-0014-4			
15	20	230	8812-0020-1	8812-0020-2	240		28.8 x 23.9 x 25
		460	8812-0020-3	8812-0020-4			
20	27	230	8812-0027-1	8812-0027-2	300		
		460	8812-0027-3	8812-0027-4			
25	34	230	8812-0034-1	8812-0034-2	330		
		460	8812-0034-3	8812-0034-4			
30	40	230	8812-0040-1	8812-0040-2	350		
		460	8812-0040-3	8812-0040-4			
40	51	230	8812-0051-1	8812-0051-2	430		
		460	8812-0051-3	8812-0051-4			
50	63	230	8812-0063-1	8812-0063-2	530	38 x 26 x 25	
		460	8812-0063-3	8812-0063-4			
60	75	230	8812-0075-1	8812-0075-2	580		
		460	8812-0075-3	8812-0075-4			
75	93	230	8812-0093-1	8812-0093-2	630		
		460	8812-0093-3	8812-0093-4			
100	118	230	8812-0118-1	8812-0118-2	730		
		460	8812-0118-3	8812-0118-4			
125	145	230	8812-0145-1	8812-0145-2	830		41 x 32 x 29.5
		460	8812-0145-3	8812-0145-4			
150	175	230	8812-0175-1	8812-0175-2	930		
		460	8812-0175-3	8812-0175-4			
200	220	230	8812-0220-1	8812-0220-2	1350		
		460	8812-0220-3	8812-0220-4			
250	275	230	8812-0275-1	8812-0275-2	1500	51.5 x 39.5 x 34	
		460	8812-0275-3	8812-0275-4			
300	330	230	8812-0330-1	8812-0330-2	1700		
		460	8812-0330-3	8812-0330-4			
400	440	460		8812-0440-4	2100	59 x 48.5 x 38.4	
500	550	460		8812-0550-4	2350		

Consult Factory or MyDrives for Availability

PP Category



# Dynamic Braking Resistors

## Panel Mount & Galvanized NEMA 1 Enclosed

Drives	Heavy Duty HP	E-Stop Duty - Panel Mounted		E-Stop Duty - NEMA 1		10% Duty Rated		25% Duty Rated		50% Duty Rated	
		No Thermostat Order Code	Dimensions H x W x D (in)	Normally Closed Thermostat Order Code	Dimensions H x W x D (in)	Normally Closed Thermostat Order Code	Dimensions H x W x D (in)	Normally Closed Thermostat Order Code	Dimensions H x W x D (in)	Normally Closed Thermostat Order Code	Dimensions H x W x D (in)
SKB1100075	1	DBR-0500-00300-P	9 x 3 x 1.5	DBR-0400-00300-ENC	5 x 14 x 4	DBR-0400-00300-ENC	5 x 14 x 4	DBR-0400-00500-ENC	5 x 14 x 7	DBR-0400-00500-ENC	5 x 14 x 7
SKB1100110	1.5	DBR-0500-00300-P	9 x 3 x 1.5	DBR-0400-00300-ENC	5 x 14 x 4	DBR-0400-00300-ENC	5 x 14 x 4	DBR-0400-00500-ENC	5 x 14 x 7	DBR-0400-01000-ENC	5 x 14 x 10
SKA1200025	0.33	DBR-1200-00300-P	9 x 3 x 1.5	DBR-0800-00300-ENC	5 x 14 x 4	DBR-0800-00300-ENC	5 x 14 x 4	DBR-0800-00300-ENC	5 x 14 x 4	DBR-0800-00300-ENC	5 x 14 x 4
SKA1200037	0.5	DBR-1200-00300-P	9 x 3 x 1.5	DBR-0800-00300-ENC	5 x 14 x 4	DBR-0800-00300-ENC	5 x 14 x 4	DBR-0800-00300-ENC	5 x 14 x 4	DBR-0800-00300-ENC	5 x 14 x 4
SKA1200055	0.75	DBR-1200-00300-P	9 x 3 x 1.5	DBR-0800-00300-ENC	5 x 14 x 4	DBR-0800-00300-ENC	5 x 14 x 4	DBR-0800-00300-ENC	5 x 14 x 4	DBR-0800-00300-ENC	5 x 14 x 4
SKA1200075	1	DBR-1200-00300-P	9 x 3 x 1.5	DBR-0800-00300-ENC	5 x 14 x 4	DBR-0800-00300-ENC	5 x 14 x 4	DBR-0800-00300-ENC	5 x 14 x 4	DBR-0800-00600-ENC	5 x 14 x 7
SKBD200110	1.5	DBR-0500-00300-P	9 x 3 x 1.5	DBR-0400-00300-ENC	5 x 14 x 4	DBR-0400-00300-ENC	5 x 14 x 4	DBR-0400-00500-ENC	5 x 14 x 7	DBR-0400-01000-ENC	5 x 14 x 10
SKBD200150	2	DBR-0500-00300-P	9 x 3 x 1.5	DBR-0400-00300-ENC	5 x 14 x 4	DBR-0400-00300-ENC	5 x 14 x 4	DBR-0400-00500-ENC	5 x 14 x 7	DBR-0400-01000-ENC	5 x 14 x 10
SKCD200220	3	DBR-0500-00300-P	9 x 3 x 1.5	DBR-0400-00300-ENC	5 x 14 x 4	DBR-0400-00300-ENC	5 x 14 x 4	DBR-0400-01000-ENC	5 x 14 x 10	DBR-0400-01000-ENC	5 x 14 x 10
SKDD200300	3	DBR-0300-00400-P	12 x 3 x 1.5	DBR-0200-00400-ENC	5 x 14 x 4	DBR-0200-00600-ENC	5 x 14 x 7	DBR-0200-01500-ENC	5 x 14 x 13	DBR-0200-01500-ENC	5 x 14 x 13
SKD3200400	5	DBR-0300-00400-P	12 x 3 x 1.5	DBR-0200-00400-ENC	5 x 14 x 4	DBR-0200-00600-ENC	5 x 14 x 7	DBR-0200-01500-ENC	5 x 14 x 13	DBR-0200-03000-ENC	5 x 28 x 13
SP0201	0.5	DBR-0500-00300-P	9 x 3 x 1.5	DBR-0400-00300-ENC	5 x 14 x 4	DBR-0400-00300-ENC	5 x 14 x 4	DBR-0400-00300-ENC	5 x 14 x 4	DBR-0400-00300-ENC	5 x 14 x 4
SP0202	0.75	DBR-0500-00300-P	9 x 3 x 1.5	DBR-0400-00300-ENC	5 x 14 x 4	DBR-0400-00300-ENC	5 x 14 x 4	DBR-0400-00300-ENC	5 x 14 x 4	DBR-0400-00500-ENC	5 x 14 x 7
SP0203	1	DBR-0500-00300-P	9 x 3 x 1.5	DBR-0400-00300-ENC	5 x 14 x 4	DBR-0400-00300-ENC	5 x 14 x 4	DBR-0400-00500-ENC	5 x 14 x 7	DBR-0400-00500-ENC	5 x 14 x 7
SP0204	1.5	DBR-0500-00300-P	9 x 3 x 1.5	DBR-0400-00300-ENC	5 x 14 x 4	DBR-0400-00300-ENC	5 x 14 x 4	DBR-0400-00500-ENC	5 x 14 x 7	DBR-0400-00500-ENC	5 x 14 x 7
SP0205	2	DBR-0500-00300-P	9 x 3 x 1.5	DBR-0400-00300-ENC	5 x 14 x 4	DBR-0400-00300-ENC	5 x 14 x 4	DBR-0400-00500-ENC	5 x 14 x 7	DBR-0500-01500-ENC	5 x 14 x 13
SP1201	1	DBR-0500-00300-P	9 x 3 x 1.5	DBR-0500-00300-ENC	5 x 14 x 4	DBR-0500-00300-ENC	5 x 14 x 4	DBR-0500-00500-ENC	5 x 14 x 7	DBR-0500-01500-ENC	5 x 14 x 13
SP1202	1.5	DBR-0500-00300-P	9 x 3 x 1.5	DBR-0500-00300-ENC	5 x 14 x 4	DBR-0500-00300-ENC	5 x 14 x 4	DBR-0500-00500-ENC	5 x 14 x 7	DBR-0500-01500-ENC	5 x 14 x 13
SP1203	2	DBR-0500-00300-P	9 x 3 x 1.5	DBR-0500-00300-ENC	5 x 14 x 4	DBR-0500-00300-ENC	5 x 14 x 4	DBR-0500-00500-ENC	5 x 14 x 7	DBR-0500-01500-ENC	5 x 14 x 13
SP1204	3	DBR-0500-00300-P	9 x 3 x 1.5	DBR-0400-00300-ENC	5 x 14 x 4	DBR-0400-00300-ENC	5 x 14 x 4	DBR-0350-01500-ENC	5 x 14 x 13	DBR-0350-01500-ENC	5 x 14 x 13
y2201	3	DBR-0300-00400-P	12 x 3 x 1.5	DBR-0200-00400-ENC	5 x 14 x 4	DBR-0200-00600-ENC	5 x 14 x 7	DBR-0200-01500-ENC	5 x 14 x 13	DBR-0200-01500-ENC	5 x 14 x 13
y2202	5	DBR-0300-00400-P	12 x 3 x 1.5	DBR-0200-00400-ENC	5 x 14 x 4	DBR-0200-00600-ENC	5 x 14 x 7	DBR-0200-01500-ENC	5 x 14 x 13	DBR-0200-03000-ENC	5 x 28 x 13
y2203	7.5	DBR-0300-00400-P	12 x 3 x 1.5	DBR-0200-00400-ENC	5 x 14 x 4	DBR-0200-00600-ENC	5 x 14 x 7	DBR-0200-01500-ENC	5 x 14 x 13	DBR-0200-03000-ENC	5 x 28 x 13
y3201	10			DBR-0055-00600-ENC	5 x 14 x 7	DBR-0055-02000-ENC	5 x 14 x 13	DBR-0055-03000-ENC	5 x 21 x 13	DBR-0055-04500-ENC	5 x 28 x 13
y3202	15			DBR-0055-00600-ENC	5 x 14 x 7	DBR-0055-02000-ENC	5 x 14 x 13	DBR-0055-03000-ENC	5 x 21 x 13	DBR-0055-06000-ENC	7 x 29 x 18
y4201	20			DBR-0055-02000-ENC	5 x 14 x 13	DBR-0055-02000-ENC	5 x 14 x 13	DBR-0055-04500-ENC	5 x 28 x 13	DBR-0055-09000-ENC	7 x 29 x 18
y4202	25			DBR-0055-02000-ENC	5 x 14 x 13	DBR-0055-03000-ENC	5 x 21 x 13	DBR-0055-06000-ENC	7 x 29 x 18	DBR-0055-09000-ENC	7 x 29 x 18
y4203	30			DBR-0055-02000-ENC	5 x 14 x 13	DBR-0055-03000-ENC	5 x 21 x 13	DBR-0055-06000-ENC	7 x 29 x 18	DBR-0055-12000-ENC	14 x 29 x 18
y5201	40			DBR-0055-02000-ENC	5 x 14 x 13	DBR-0055-03000-ENC	5 x 21 x 13	DBR-0055-09000-ENC	7 x 29 x 18	DBR-0055-18000-ENC	14 x 29 x 18
y5202	50			DBR-0055-02000-ENC	5 x 14 x 13	DBR-0055-04500-ENC	5 x 28 x 13	DBR-0055-12000-ENC	14 x 29 x 18	DBR-0055-18000-ENC	14 x 29 x 18

y = SK for Commander SK, or SP for Unidrive SP

Example: a 40.0 ohm, 500 Watt Resistor; E = NEMA 1 Enclosure, NC = Normally Closed Thermostat  
Standard Delivery is 2 Weeks

PP Category



**Dynamic Braking Resistors**  
Panel Mount & Galvanized NEMA 1 Enclosed



Drives	Heavy Duty HP	E-Stop Duty - Panel Mounted No Thermostat Order Code	Dimensions H x W x D (in)	E-Stop Duty - NEMA 1 Normally Closed Thermostat Order Code	Dimensions H x W x D (in)	10% Duty Rated - NEMA 1 Normally Closed Thermostat Order Code	Dimensions H x W x D (in)	25% Duty Rated - NEMA 1 Normally Closed Thermostat Order Code	Dimensions H x W x D (in)	50% Duty Rated - NEMA 1 Normally Closed Thermostat Order Code	Dimensions H x W x D (in)
SKB3400037	0.5	DBR-1200-00300-P	9 x 3 x 1.5	DBR-1200-00300-ENC	5 x 14 x 4	DBR-1200-00300-ENC	5 x 14 x 4	DBR-1200-00300-ENC	5 x 14 x 4	DBR-1200-00300-ENC	5 x 14 x 4
SKB3400055	0.75	DBR-1200-00300-P	9 x 3 x 1.5	DBR-1200-00300-ENC	5 x 14 x 4	DBR-1200-00300-ENC	5 x 14 x 4	DBR-1200-00300-ENC	5 x 14 x 4	DBR-1200-00800-ENC	5 x 14 x 7
SKB3400075	1	DBR-1200-00300-P	9 x 3 x 1.5	DBR-1200-00300-ENC	5 x 14 x 4	DBR-1200-00300-ENC	5 x 14 x 4	DBR-1200-00800-ENC	5 x 14 x 7	DBR-1200-00800-ENC	5 x 14 x 7
SKB3400110	1.5	DBR-1200-00300-P	9 x 3 x 1.5	DBR-1200-00300-ENC	5 x 14 x 4	DBR-1200-00300-ENC	5 x 14 x 4	DBR-1200-00800-ENC	5 x 14 x 7	DBR-1200-01500-ENC	5 x 14 x 13
SKB3400150	2	DBR-1200-00300-P	9 x 3 x 1.5	DBR-1200-00300-ENC	5 x 14 x 4	DBR-1200-00300-ENC	5 x 14 x 4	DBR-1200-00800-ENC	5 x 14 x 7	DBR-1200-01500-ENC	5 x 14 x 13
SKC3400220	3	DBR-1200-00300-P	9 x 3 x 1.5	DBR-1200-00300-ENC	5 x 14 x 4	DBR-1200-00300-ENC	5 x 14 x 4	DBR-1200-01500-ENC	5 x 14 x 13	DBR-1200-01500-ENC	5 x 14 x 13
SKC3400300	3	DBR-0600-00400-P	12 x 3 x 1.5	DBR-0600-00400-ENC	5 x 14 x 4	DBR-0600-00400-ENC	5 x 14 x 4	DBR-0600-01500-ENC	5 x 14 x 13	DBR-0600-01500-ENC	5 x 14 x 13
SKC3400400	5	DBR-0600-00400-P	12 x 3 x 1.5	DBR-0600-00400-ENC	5 x 14 x 4	DBR-0600-00400-ENC	5 x 14 x 4	DBR-0600-01500-ENC	5 x 14 x 13	DBR-0600-03000-ENC	5 x 28 x 13
SKD3400550	7.5	DBR-0600-00400-P	12 x 3 x 1.5	DBR-0600-00400-ENC	5 x 14 x 4	DBR-0600-01000-ENC	5 x 14 x 10	DBR-0600-01500-ENC	5 x 14 x 13	DBR-0600-03000-ENC	5 x 28 x 13
SKD3400750	10	DBR-0600-00400-P	12 x 3 x 1.5	DBR-0600-00400-ENC	5 x 14 x 4	DBR-0600-01000-ENC	5 x 14 x 10	DBR-0600-01500-ENC	5 x 14 x 13	DBR-0600-04500-ENC	7 x 29 x 18
SP0401	0.5	DBR-1200-00300-P	9 x 3 x 1.5	DBR-1200-00300-ENC	5 x 14 x 4	DBR-1200-00300-ENC	5 x 14 x 4	DBR-1200-00300-ENC	5 x 14 x 4	DBR-1200-00300-ENC	5 x 14 x 4
SP0402	0.75	DBR-1200-00300-P	9 x 3 x 1.5	DBR-1200-00300-ENC	5 x 14 x 4	DBR-1200-00300-ENC	5 x 14 x 4	DBR-1200-00300-ENC	5 x 14 x 4	DBR-1200-00800-ENC	5 x 14 x 7
SP0403	1	DBR-1200-00300-P	9 x 3 x 1.5	DBR-1200-00300-ENC	5 x 14 x 4	DBR-1200-00300-ENC	5 x 14 x 4	DBR-1200-00800-ENC	5 x 14 x 7	DBR-1200-00800-ENC	5 x 14 x 7
SP0404	1.5	DBR-1200-00300-P	9 x 3 x 1.5	DBR-1200-00300-ENC	5 x 14 x 4	DBR-1200-00300-ENC	5 x 14 x 4	DBR-1200-00800-ENC	5 x 14 x 7	DBR-1200-00800-ENC	5 x 14 x 7
SP0405	2	DBR-1200-00300-P	9 x 3 x 1.5	DBR-1200-00300-ENC	5 x 14 x 4	DBR-1200-00300-ENC	5 x 14 x 4	DBR-1200-00800-ENC	5 x 14 x 7	DBR-1200-01500-ENC	5 x 14 x 13
SP1401	1	DBR-1200-00300-P	9 x 3 x 1.5	DBR-0800-00300-ENC	5 x 14 x 4	DBR-0800-00300-ENC	5 x 14 x 4	DBR-0800-00600-ENC	5 x 14 x 7	DBR-0800-00600-ENC	5 x 14 x 7
SP1402	2	DBR-1200-00300-P	9 x 3 x 1.5	DBR-0800-00300-ENC	5 x 14 x 4	DBR-0800-00300-ENC	5 x 14 x 4	DBR-0800-00600-ENC	5 x 14 x 7	DBR-0800-00600-ENC	5 x 14 x 7
SP1403	3	DBR-1200-00300-P	9 x 3 x 1.5	DBR-0800-00300-ENC	5 x 14 x 4	DBR-0800-00300-ENC	5 x 14 x 4	DBR-0800-00600-ENC	5 x 14 x 7	DBR-0800-01500-ENC	5 x 14 x 13
SP1404	3	DBR-1200-00300-P	9 x 3 x 1.5	DBR-0800-00300-ENC	5 x 14 x 4	DBR-0800-00300-ENC	5 x 14 x 4	DBR-0800-01500-ENC	5 x 14 x 13	DBR-0800-01500-ENC	5 x 14 x 13
SP1405	5	DBR-0600-00400-P	12 x 3 x 1.5	DBR-0600-00400-ENC	5 x 14 x 4	DBR-0600-00600-ENC	5 x 14 x 7	DBR-0600-01500-ENC	5 x 14 x 13	DBR-0600-01500-ENC	5 x 14 x 13
SP1406	5	DBR-0600-00400-P	12 x 3 x 1.5	DBR-0600-00400-ENC	5 x 14 x 4	DBR-0600-00600-ENC	5 x 14 x 7	DBR-0600-01500-ENC	5 x 14 x 13	DBR-0600-03000-ENC	5 x 28 x 13
y2401	10			DBR-0200-00600-ENC	5 x 14 x 7	DBR-0200-00600-ENC	5 x 14 x 7	DBR-0200-01500-ENC	5 x 14 x 13	DBR-0200-03000-ENC	5 x 28 x 13
y2402	10			DBR-0200-00600-ENC	5 x 14 x 7	DBR-0200-01500-ENC	5 x 14 x 13	DBR-0200-01500-ENC	5 x 14 x 13	DBR-0200-03000-ENC	5 x 28 x 13
y2403	20			DBR-0200-01500-ENC	5 x 14 x 13	DBR-0200-01500-ENC	5 x 14 x 13	DBR-0200-03000-ENC	5 x 28 x 13	DBR-0200-06000-ENC	7 x 29 x 18
y2404	20			DBR-0200-01500-ENC	5 x 14 x 13	DBR-0200-01500-ENC	5 x 14 x 13	DBR-0200-04500-ENC	7 x 29 x 18	DBR-0200-09000-ENC	7 x 29 x 18
y3401	25			DBR-0200-01500-ENC	5 x 14 x 13	DBR-0200-01500-ENC	5 x 14 x 13	DBR-0200-04500-ENC	7 x 29 x 18	DBR-0200-09000-ENC	7 x 29 x 18
y3402	30			DBR-0200-01500-ENC	5 x 14 x 13	DBR-0200-03000-ENC	5 x 28 x 13	DBR-0200-06000-ENC	7 x 29 x 18	DBR-0200-09000-ENC	7 x 29 x 18
y3403	30			DBR-0200-01500-ENC	5 x 14 x 13	DBR-0200-03000-ENC	5 x 28 x 13	DBR-0200-06000-ENC	7 x 29 x 18	DBR-0200-12000-ENC	14 x 29 x 18
y4401	50			DBR-0120-03000-ENC	5 x 21 x 13	DBR-0120-03000-ENC	5 x 21 x 13	DBR-0120-09000-ENC	7 x 29 x 18	DBR-0120-18000-ENC	14 x 29 x 18
y4402	60			DBR-0120-03000-ENC	5 x 21 x 13	DBR-0120-04500-ENC	5 x 28 x 13	DBR-0120-12000-ENC	14 x 29 x 18	DBR-0120-18000-ENC	14 x 29 x 18
y4403	75			DBR-0100-03000-ENC	5 x 21 x 13	DBR-0100-06000-ENC	7 x 29 x 18	DBR-0100-12000-ENC	14 x 29 x 18	DBR-0100-24000-ENC	14 x 29 x 18
y5401	100			DBR-0100-04500-ENC	5 x 28 x 13	DBR-0100-06000-ENC	7 x 29 x 18	DBR-0100-18000-ENC	14 x 29 x 18	DBR-0100-36000-ENC	21 x 29 x 18
y5402	125			DBR-0100-06000-ENC	7 x 29 x 18	DBR-0100-09000-ENC	7 x 29 x 18	DBR-0100-24000-ENC	14 x 29 x 18	DBR-0100-36000-ENC	21 x 29 x 18
y6401	150			DBR-0055-06000-ENC	7 x 29 x 18	DBR-0055-12000-ENC	14 x 29 x 18	DBR-0055-24000-ENC	14 x 29 x 18	DBR-0055-50000-ENC	28 x 29 x 18
y6402	150			DBR-0055-09000-ENC	7 x 29 x 18	DBR-0055-12000-ENC	14 x 29 x 18	DBR-0055-36000-ENC	21 x 29 x 18	DBR-0055-60000-ENC	35 x 29 x 18
SP6411	150			DBR-0055-06000-ENC	7 x 29 x 18	DBR-0055-12000-ENC	14 x 29 x 18	DBR-0055-24000-ENC	14 x 29 x 18	DBR-0055-50000-ENC	28 x 29 x 18
SP6412	150			DBR-0055-09000-ENC	7 x 29 x 18	DBR-0055-12000-ENC	14 x 29 x 18	DBR-0055-36000-ENC	21 x 29 x 18	DBR-0055-60000-ENC	35 x 29 x 18
SP7411	200			DBR-0055-12000-ENC	14 x 29 x 18	DBR-0055-18000-ENC	14 x 29 x 18				
SP7412	250			DBR-0055-12000-ENC	14 x 29 x 18	DBR-0055-24000-ENC	14 x 29 x 18				
SP8411	280	Qty 2 Required		DBR-0055-06000-ENC	7 x 29 x 18	DBR-0055-12000-ENC	14 x 29 x 18				
SP8412	300	Qty 2 Required		DBR-0055-09000-ENC	7 x 29 x 18	DBR-0055-12000-ENC	14 x 29 x 18				
SP8413	400	Qty 2 Required		DBR-0055-12000-ENC	14 x 29 x 18	DBR-0055-18000-ENC	14 x 29 x 18				
SP8414	450	Qty 2 Required		DBR-0055-12000-ENC	14 x 29 x 18	DBR-0055-18000-ENC	14 x 29 x 18				
SP9411	500	Qty 4 Required		DBR-0055-06000-ENC	7 x 29 x 18	DBR-0055-12000-ENC	14 x 29 x 18				
SP9413	700	Qty 4 Required		DBR-0055-09000-ENC	7 x 29 x 18	DBR-0055-18000-ENC	14 x 29 x 18				
SP9414	800	Qty 4 Required		DBR-0055-12000-ENC	14 x 29 x 18	DBR-0055-18000-ENC	14 x 29 x 18				
SP9415	900	Qty 4 Required		DBR-0055-12000-ENC	14 x 29 x 18	DBR-0055-18000-ENC	14 x 29 x 18				

y = SK for Commander SK, or SP for Unidrive SP

Example: DBR-0400-00500-ENC is a 40.0 ohm, 500 Watt Resistor; E = NEMA 1 Enclosure, NC = Normally Closed Thermostat Standard Delivery is 2 Weeks





# Dynamic Braking Resistors

## Galvanized NEMA 1 Enclosed

### 575-690 VAC Drives

Drives	Heavy Duty HP	E-Stop Duty		10% Duty Rated		25% Duty Rated		50% Duty Rated	
		Normally Closed Thermostat Order Code	Dimensions H x W x D (in)	Normally Closed Thermostat Order Code	Dimensions H x W x D (in)	Normally Closed Thermostat Order Code	Dimensions H x W x D (in)	Normally Closed Thermostat Order Code	Dimensions H x W x D (in)
SP3501	3	DBR-0200-00600-ENC	5 x 14 x 7	DBR-0200-00600-ENC	5 x 14 x 7	DBR-0200-00600-ENC	5 x 14 x 7	DBR-0200-01500-ENC	5 x 14 x 13
SP3502	5	DBR-0200-00600-ENC	5 x 14 x 7	DBR-0200-00600-ENC	5 x 14 x 7	DBR-0200-01500-ENC	5 x 14 x 13	DBR-0200-01500-ENC	5 x 14 x 13
SP3503	7.5	DBR-0200-00600-ENC	5 x 14 x 7	DBR-0200-00600-ENC	5 x 14 x 7	DBR-0200-01500-ENC	5 x 14 x 13	DBR-0200-03000-ENC	5 x 28 x 13
SP3504	10	DBR-0200-00600-ENC	5 x 14 x 7	DBR-0200-00600-ENC	5 x 14 x 7	DBR-0200-01500-ENC	5 x 14 x 13	DBR-0200-03000-ENC	5 x 28 x 13
SP3505	15	DBR-0200-01500-ENC	5 x 14 x 13	DBR-0200-01500-ENC	5 x 14 x 13	DBR-0200-03000-ENC	5 x 28 x 13	DBR-0200-04500-ENC	7 x 29 x 18
SP3506	20	DBR-0200-01500-ENC	5 x 14 x 13	DBR-0200-01500-ENC	5 x 14 x 13	DBR-0200-03000-ENC	5 x 28 x 13	DBR-0200-06000-ENC	7 x 29 x 18
SP3507	25	DBR-0200-01500-ENC	5 x 14 x 13	DBR-0200-01500-ENC	5 x 14 x 13	DBR-0200-04500-ENC	7 x 29 x 18	DBR-0200-09000-ENC	7 x 29 x 18
SP4601	25	DBR-0150-01500-ENC	5 x 14 x 13	DBR-0150-01500-ENC	5 x 14 x 13	DBR-0150-04500-ENC	5 x 28 x 13	DBR-0150-09000-ENC	7 x 29 x 18
SP4602	30	DBR-0150-01500-ENC	5 x 14 x 13	DBR-0150-03000-ENC	5 x 21 x 13	DBR-0150-06000-ENC	7 x 29 x 18	DBR-0150-09000-ENC	7 x 29 x 18
SP4603	40	DBR-0150-01500-ENC	5 x 14 x 13	DBR-0150-03000-ENC	5 x 21 x 13	DBR-0150-06000-ENC	7 x 29 x 18	DBR-0150-12000-ENC	14 x 29 x 18
SP4604	50	DBR-0150-03000-ENC	5 x 21 x 13	DBR-0150-03000-ENC	5 x 21 x 13	DBR-0150-09000-ENC	7 x 29 x 18	DBR-0150-18000-ENC	14 x 29 x 18
SP4605	60	DBR-0150-03000-ENC	5 x 21 x 13	DBR-0150-04500-ENC	5 x 28 x 13	DBR-0150-12000-ENC	14 x 29 x 18	DBR-0150-18000-ENC	14 x 29 x 18
SP4606	75	DBR-0150-03000-ENC	5 x 21 x 13	DBR-0150-06000-ENC	7 x 29 x 18	DBR-0150-12000-ENC	14 x 29 x 18	DBR-0150-24000-ENC	21 x 29 x 18
SP5601	100	DBR-0120-04500-ENC	5 x 28 x 13	DBR-0120-06000-ENC	7 x 29 x 18	DBR-0120-18000-ENC	14 x 29 x 18	DBR-0120-36000-ENC	21 x 29 x 18
SP5602	125	DBR-0120-04500-ENC	5 x 28 x 13	DBR-0120-09000-ENC	7 x 29 x 18	DBR-0120-24000-ENC	14 x 29 x 18	DBR-0120-36000-ENC	21 x 29 x 18
SP6601	150	DBR-0120-06000-ENC	7 x 29 x 18	DBR-0120-12000-ENC	14 x 29 x 18	DBR-0120-24000-ENC	14 x 29 x 18	DBR-0120-50000-ENC	28 x 29 x 18
SP6602	175	DBR-0120-06000-ENC	7 x 29 x 18	DBR-0120-12000-ENC	14 x 29 x 18	DBR-0120-36000-ENC	21 x 29 x 18	DBR-0130-60000-ENC	35 x 29 x 18

Example: DBR-0200-00600-ENC is a 20.0 ohm, 600 Watt Resistor; E = NEMA 1 Enclosure, NC = Normally Closed Thermostat

Standard Delivery is 2 Weeks

PP Category



# Dynamic Braking Resistors

Heatsink Mounted, Panel Mounted, & Galvanized NEMA 1 Enclosed

Servo Drives

Drive Module	Drive KW	eatsink / Internally Mounted Order Code	500 Watts UL Listed, Panel Mounted		500 Watts NEMA 1 Enclosure		1000 Watts NEMA 1 Enclosure		2000 Watts NEMA 1 Enclosure		3000 Watts NEMA 1 Enclosure	
			Order Code	Dimensions H x W x D (in)	Order Code	Dimensions H x W x D (in)	Order Code	Dimensions H x W x D (in)	Order Code	Dimensions H x W x D (in)	Order Code	Dimensions H x W x D (in)
DST1201	0.5	SM-HEATSINK-DBR0	MS-530-00-000	13.7 x 3.4 x 9.7	DBR-0400-00500-ENC	5 x 14 x 7						
DST1202	1.2	SM-HEATSINK-DBR0	MS-530-00-000	13.7 x 3.4 x 9.7	DBR-0400-00500-ENC	5 x 14 x 7						
DST1203	1.6	SM-HEATSINK-DBR0	MS-530-00-000	13.7 x 3.4 x 9.7	DBR-0400-00500-ENC	5 x 14 x 7	DBR-0400-01000-ENC	5 x 14 x 10				
DST1204	2.3	SM-HEATSINK-DBR0	MS-530-00-000	13.7 x 3.4 x 9.7	DBR-0400-00500-ENC	5 x 14 x 7	DBR-0400-01000-ENC	5 x 14 x 10				
DST1401	0.8	SM-HEATSINK-DBR0			DBR-1200-00800-ENC	5 x 14 x 7						
DST1402	1.4	SM-HEATSINK-DBR0			DBR-1200-00800-ENC	5 x 14 x 7						
DST1403	2	SM-HEATSINK-DBR0			DBR-0800-00600-ENC	5 x 14 x 7						
DST1404	3	SM-HEATSINK-DBR0	MS-530-00-000	13.7 x 3.4 x 9.7	DBR-0400-00500-ENC	5 x 14 x 7						
DST1405	4.1	SM-HEATSINK-DBR0	MS-530-00-000	13.7 x 3.4 x 9.7	DBR-0400-00500-ENC	5 x 14 x 7						
EP202	0.77											
EP204	1.27	SM-HEATSINK-DBR1	MS-530-00-000	13.7 x 3.4 x 9.7	DBR-0400-00500-ENC	5 x 14 x 7						
EP206	1.77	SM-HEATSINK-DBR1	MS-530-00-000	13.7 x 3.4 x 9.7	DBR-0400-00500-ENC	5 x 14 x 7						
EP209	2.32	SM-HEATSINK-DBR1	MS-530-00-000	13.7 x 3.4 x 9.7	DBR-0400-00500-ENC	5 x 14 x 7	DBR-0400-01000-ENC	5 x 14 x 10				
EP216	2.32/4.8	SM-HEATSINK-DBR1	MS-530-00-000	13.7 x 3.4 x 9.7	DBR-0200-00600-ENC	5 x 14 x 7	DBR-0200-01500-ENC	5 x 14 x 13	DBR-0200-03000-ENC	5 x 28 x 13		
EN-204*	1.8		ES-20-500	7 x 14 x 5			ES-20-1K	13 x 14 x 5	ES-20-2K	13 x 14 x 5		
EN-208*	3.6		ES-20-500	7 x 14 x 5			ES-20-1K	13 x 14 x 5	ES-20-2K	13 x 14 x 5		
EN-214*	5.2		ES-20-500	7 x 14 x 5			ES-20-1K	13 x 14 x 5	ES-20-2K	13 x 14 x 5		
MP-1250	12.5		MS-530-00-000	13.7 x 3.4 x 9.7	DBR-0400-00500-ENC	5 x 14 x 7	DBR-0400-01000-ENC	5 x 14 x 10	DBR-0300-02000-ENC	5 x 21 x 10		
MP-2500	25		MS-530-00-000	13.7 x 3.4 x 9.7	DBR-0400-00500-ENC	5 x 14 x 7	DBR-0400-01000-ENC	5 x 14 x 10	DBR-0300-02000-ENC	5 x 21 x 10		
MP-5000	50		MS-510-00-000	13.7 x 3.4 x 9.7	DBR-0200-00600-ENC	5 x 14 x 7	DBR-0200-01500-ENC	5 x 14 x 13	DBR-0100-02000-ENC	5 x 14 x 13	DBR-0150-03000-ENC	5 x 21 x 13
SP0xxx	0.4-1.5	SM-HEATSINK-DBR0			See Drives Tables		See Drives Tables		See Drives Tables		See Drives Tables	
SP1xxx	1.1-5.6	SM-HEATSINK-DBR1										
SP2xxx	4-15	SM-HEATSINK-DBR2										

\* Requires RSR-2 Module and External Resistor

Example: DBR-400-00500-ENC is a 40.0 ohm, 500 Watt Resistor; E = NEMA 1 Enclosure, NC = Normally Closed Thermostat Standard Delivery is 2 Weeks



# Dynamic Braking Resistors

## For DC Drives, E-Stop Open Chassis

### Open Chassis DB Resistors for 230VAC / 240VDC Drives; E-Stop

HP	Order Code	Resistance (Ohms)	Power (Watts)	Dimensions H x W x D (in)
5	8200-00100	8	72	2.75 x 10.25 x 2
7.5	8200-00101	6.3	92	2.75 x 10.25 x 2
10	8200-00102	4	144	2.75 x 10.25 x 2
15	8200-00103	2.5	230	2.75 x 10.25 x 2
20	8200-00104	2	288	2.75 x 10.25 x 2
25	8200-00105	1.67	345	2.75 x 10.25 x 2

Consult Factory or MyDrives for Availability

### Open Chassis DB Resistors for 460VAC / 500VDC Drives; E-Stop

HP	Order Code	Resistance (Ohms)	Power (Watts)	Dimensions H x W x D (in)
5-7.5	8200-00115	20	125	2.75 x 10.25 x 2
10	8200-00116	16	157	2.75 x 10.25 x 2
15	8200-00117	12	209	2.75 x 10.25 x 2
20	8200-00118	8	313	2.75 x 10.25 x 2
25	8200-00119	6	417	2.75 x 10.25 x 2
30	8200-00120	5	500	5.5 x 10.25 x 2
40	8200-00121	4	625	5.5 x 10.25 x 2
50	8200-00122	3.33	752	5.5 x 10.25 x 2

Consult Factory or MyDrives for Availability

DB resistors are shipped loose and mounted external to the drive (by customer). They are not UL Listed.



# Dynamic Braking Resistors

For DC Drives, E-Stop in NEMA 1 Enclosure

## NEMA 1 DB Resistors for 230VAC / 240VDC Drives; E-Stop Duty

HP	Order Code	Resistance (Ohms)	Power (Watts)	Dimensions (H x W x D) (in)
5	8200-00100E	8	72	5 x 14 x 4
7.5	8200-00101E	6.3	92	5 x 14 x 4
10	8200-00102E	4	144	5 x 14 x 4
15	8200-00103E	2.5	230	5 x 14 x 4
20	8200-00104E	2	288	5 x 14 x 4
25	8200-00105E	1.67	345	5 x 14 x 4
30	8200-00106	1.2	480	5 x 14 x 4
40	8200-00107	1	576	5 x 14 x 4
50	8200-00108	0.84	686	5 x 14 x 4
60	8200-00109	0.7	823	5 x 14 x 7
75	8200-00110	0.5	1152	5 x 14 x 7
100	8200-00111	0.375	1536	5 x 14 x 10
125	8200-00112	0.3	1920	5 x 14 x 13

Consult Factory or MyDrives for Availability

## NEMA 1 DB Resistors for 460VAC / 500VDC Drives; E-Stop Duty

HP	Order Code	Resistance (Ohms)	Power (Watts)	Dimensions (H x W x D) (in)
5-7.5	8200-00115E	20	125	5 x 14 x 4
10	8200-00116E	16	157	5 x 14 x 4
15	8200-00117E	12	209	5 x 14 x 4
20	8200-00118E	8	313	5 x 14 x 4
25	8200-00119E	6	417	5 x 14 x 7
30	8200-00120E	5	500	5 x 14 x 7
40	8200-00121E	4	625	5 x 14 x 7
50	8200-00122E	3.33	752	5 x 14 x 7
60	8200-00124	2.4	1042	5 x 14 x 7
100	8200-00125	1.8	1390	5 x 14 x 10
125	8200-00126	1.5	1667	5 x 14 x 10
150	8200-00127	1.2	2084	5 x 14 x 13
200	8200-00128	0.9	2779	5 x 14 x 10
250	8200-00129	0.7	3572	5 x 14 x 10
300	8200-00134	0.6	4168	5 x 14 x 10

Consult Factory or MyDrives for Availability

The DC Dynamic braking components have been sized for occasional non-repeated use, assuming load inertia is equal to or less than motor inertia. The Dynamic resistor will be sized at approximately 150% of rated motor current. The DC drive will also require a DB contactor option for dynamic braking action.

Note: NEMA 1 Enclosure is Galvanized Steel. DB resistors are shipped loose for mounting at least twelve inches from drive enclosure.