

Motor Protection Solutions



KDR Output Reactor

- Motor lead lengths are less than 100 feet
- Dampen overshoot peak voltage
- Sized by FLA of motor
- Offered in 3-phase; 208 - 690 volt; open or enclosed, DIN-Rail; input and output



V1k dv/dt Output Filter

- Limits voltage spikes below 1,000 volts for long lead applications (consult factory for applications above 1,500 feet)
- Greatly extends the life of the motor and cable
- Efficiency: > 98%
- 30% reduction in Common Mode Current
- Sized by FLA of motor
- Offered in 3-phase; 600 volt and below; open or enclosed



KMG Sinewave Filter

- Eliminates harmful dv/dt to result in sinewave
- Allows NEMA MG1 Part 30 motors to be used where Part 31 motors would be required
- Greatly extend motor and cable life by reduction of motor noise, vibration and heat
- Specific applications can reach 15,000 feet
- Sized by FLA of motor
- Offered in 3-phase; 600 volt and below; open or enclosed

KDR Optimized Line Reactors

480 Volt Output	Part Number	NEC Motor HP	NEC Motor Current	Standard Terms	Dimensions (in.) Height x Width x Depth	Open		NEMA 1 Enclosed	
						Weight	List Price	Part Number *	List Price
	KDRA1P	2	3.4	TB	4.00 x 4.18 x 3.75	4	\$ 140.00	KDRA1PC1	\$ 265.00
	KDRA2P	3	4.8	TB	4.00 x 4.18 x 3.75	4	\$ 168.00	KDRA2PC1	\$ 293.00
	KDRA3P	5	7.6	TB	4.00 x 4.18 x 3.75	4	\$ 173.00	KDRA3PC1	\$ 297.00
	KDRA4P	7.5	11	TB	4.00 x 4.18 x 3.75	5	\$ 180.00	KDRA4PC1	\$ 303.00
	KDRB1P	10	14	TB	5.00 x 6.00 x 4.00	7	\$ 248.00	KDRB1PC1	\$ 372.00
	KDRD1P	15	21	TB	6.00 x 7.20 x 4.25	10	\$ 254.00	KDRD1PC2	\$ 402.00
	KDRD2P	20	27	TB	6.00 x 7.20 x 4.25	10	\$ 265.00	KDRD2PC2	\$ 414.00
	KDRD3P	25	34	TB	6.00 x 7.20 x 4.25	12	\$ 274.00	KDRD3PC2	\$ 423.00
	KDRD4P	30	40	TB	6.00 x 7.20 x 4.25	12	\$ 346.00	KDRD4PC2	\$ 495.00
	KDRC1P	40	52	TB	5.75 x 7.20 x 5.00	15	\$ 381.00	KDRC1PC2	\$ 530.00
	KDRF1P	50	65	TB	7.00 x 9.00 x 6.00	25	\$ 447.00	KDRF1PC3	\$ 657.00
	KDRF2P	60	77	TB	7.00 x 9.00 x 6.00	25	\$ 461.00	KDRF2PC3	\$ 671.00
	KDRF3P	75	96	CB	7.00 x 9.00 x 6.00	30	\$ 614.00	KDRF3PC4	\$ 967.00
	KDRH1P	100	124	CB	9.00 x 11.00 x 7.00	40	\$ 710.00	KDRH1PC4	\$ 1,063.00
	KDRI1P	125	156	CB	9.00 x 11.00 x 7.00	50	\$ 877.00	KDRI1PC4	\$ 1,230.00
	KDRI2P	150	180	CB	9.00 x 11.00 x 7.00	45	\$ 1,030.00	KDRI2PC4	\$ 1,383.00
	KDRG1P	200	240	CB	9.00 x 11.00 x 8.00	60	\$ 1,306.00	KDRG1PC4	\$ 1,660.00
	KDRJ1P	250	302	CB	9.00 x 11.00 x 9.00	70	\$ 1,438.00	KDRJ1PC5	\$ 1,911.00
	KDRJ2P	300	361	CB	9.00 x 11.00 x 9.00	70	\$ 1,471.00	KDRJ2PC5	\$ 1,944.00
	KDRL1P	350	414	CB	11.38 x 14.50 x 9.31	85	\$ 1,703.00	KDRL1PC5	\$ 2,176.00
	KDRL2P	400	477	CB	11.38 x 14.50 x 9.31	95	\$ 1,880.00	KDRL2PC5	\$ 2,351.00
	KDRL3P	450	515	CB	11.38 x 14.50 x 9.31	100	\$ 2,180.00	KDRL3PC5	\$ 2,652.00
	KDRL4P	500	590	CB	11.38 x 14.50 x 9.31	100	\$ 3,314.00	KDRL4PC5	\$ 3,785.00

575 Volt Output	Part Number	NEC Motor HP	NEC Motor Current	Standard Terms	Dimensions (in.) Height x Width x Depth	Open		NEMA 1 Enclosed	
						Weight	List Price	Part Number *	List Price
	KDRA31P	2	2.7	TB	4.00 x 4.18 x 3.75	4	\$ 166.00	KDRA31PC1	\$ 290.00
	KDRA35P	3	3.9	TB	4.00 x 4.18 x 3.75	4	\$ 203.00	KDRA35PC1	\$ 327.00
	KDRA33P	5	6.1	TB	4.00 x 4.18 x 3.75	4	\$ 211.00	KDRA33PC1	\$ 335.00
	KDRA34P	7.5	9	TB	4.00 x 4.18 x 3.75	5	\$ 237.00	KDRA34PC1	\$ 362.00
	KDRA36P	10	11	TB	4.00 x 4.18 x 3.75	5	\$ 297.00	KDRA36PC1	\$ 421.00
	KDRD31P	15	17	TB	5.75 x 7.20 x 4.25	10	\$ 302.00	KDRD31PC2	\$ 451.00
	KDRD32P	20	22	TB	5.75 x 7.20 x 4.25	10	\$ 340.00	KDRD32PC2	\$ 488.00
	KDRD35P	25	27	TB	5.75 x 7.20 x 4.25	10	\$ 407.00	KDRD35PC2	\$ 556.00
	KDRD33P	30	32	TB	5.75 x 7.20 x 4.25	12	\$ 463.00	KDRD33PC2	\$ 612.00
	KDRD34P	40	41	TB	5.75 x 7.20 x 4.25	12	\$ 484.00	KDRD34PC2	\$ 633.00
	KDRC31P	50	52	TB	5.75 x 7.20 x 5.00	15	\$ 666.00	KDRC31PC2	\$ 815.00
	KDRF31P	60	62	TB	7.00 x 9.00 x 6.00	25	\$ 690.00	KDRF31PC3	\$ 901.00
	KDRF32P	75	77	TB	7.00 x 9.00 x 6.00	25	\$ 783.00	KDRF32PC3	\$ 994.00
	KDRF33P	100	99	CB	7.00 x 9.00 x 6.00	30	\$ 938.00	KDRF33PC4	\$ 1,293.00
	KDRH31P	125	125	CB	9.00 x 11.00 x 7.00	40	\$ 1,056.00	KDRH31PC4	\$ 1,410.00
	KDRI31P	150	144	CB	9.00 x 11.00 x 7.00	50	\$ 1,288.00	KDRI31PC4	\$ 1,643.00
	KDRI32P	200	192	CB	9.00 x 11.00 x 7.00	45	\$ 1,714.00	KDRI32PC4	\$ 2,068.00
	KDRG31P	250	242	CB	9.00 x 11.00 x 8.00	60	\$ 1,867.00	KDRG31PC4	\$ 2,221.00
	KDRJ31P	300	289	CB	9.00 x 11.00 x 9.00	70	\$ 1,880.00	KDRJ31PC5	\$ 2,351.00
	KDRJ32P	350	336	CB	9.00 x 11.00 x 9.00	70	\$ 2,144.00	KDRJ32PC5	\$ 2,615.00
	KDRL31P	400	382	CB	11.38 x 14.50 x 9.31	85	\$ 2,839.00	KDRL31PC5	\$ 3,312.00
	KDRL35P	450	412	CB	11.38 x 14.50 x 9.31	85	\$ 2,960.00	KDRL35PC5	\$ 3,432.00
	KDRL32P	500	472	CB	11.38 x 14.50 x 9.31	95	\$ 3,741.00	KDRL32PC5	\$ 4,213.00

KDR Optimized Line Reactors

480 Volt Output	Part Number	NEC Motor HP	Open		UL Type 1 Enclosed		UL Type 3R Enclosed	
			Weight	List Price	Part Number *	List Price	Part Number *	List Price
	KDRULA1P	2	4	\$146.00	KDRULA1PE01	\$368.00	KDRULA1PE3R	\$482.00
	KDRULA2P	3	4	\$176.00	KDRULA2PE01	\$397.00	KDRULA2PE3R	\$512.00
	KDRULA3P	5	4	\$182.00	KDRULA3PE01	\$404.00	KDRULA3PE3R	\$518.00
	KDRULA4P	7.5	5	\$187.00	KDRULA4PE01	\$409.00	KDRULA4PE3R	\$522.00
	KDRULB1P	10	7	\$260.00	KDRULB1PE01	\$481.00	KDRULB1PE3R	\$596.00
	KDRULD1P	15	10	\$264.00	KDRULD1PE01	\$485.00	KDRULD1PE3R	\$600.00
	KDRULD2P	20	10	\$277.00	KDRULD2PE01	\$498.00	KDRULD2PE3R	\$613.00
	KDRULD3P	25	12	\$286.00	KDRULD3PE01	\$509.00	KDRULD3PE3R	\$622.00
	KDRULD4P	30	12	\$360.00	KDRULD4PE01	\$582.00	KDRULD4PE3R	\$696.00
	KDRULC1P	40	15	\$396.00	KDRULC1PE01	\$618.00	KDRULC1PE3R	\$732.00
	KDRULF1P	50	25	\$465.00	KDRULF1PE01	\$897.00	KDRULF1PE3R	\$986.00
	KDRULF2P	60	25	\$480.00	KDRULF2PE01	\$911.00	KDRULF2PE3R	\$1,000.00
	KDRULF3P	75	33	\$710.00	KDRULF3PE01	\$1,140.00	KDRULF3PE3R	\$1,230.00
	KDRULH1P	100	43	\$810.00	KDRULH1PE01	\$1,240.00	KDRULH1PE3R	\$1,330.00
	KDRULI1P	125	56	\$989.00	KDRULI1PE01	\$1,420.00	KDRULI1PE3R	\$1,510.00
	KDRULI2P	150	56	\$1,149.00	KDRULI2PE01	\$1,940.00	KDRULI2PE3R	\$2,068.00
	KDRULG1P	200	69	\$1,527.00	KDRULG1PE01	\$2,319.00	KDRULG1PE3R	\$2,446.00
	KDRULJ1P	250	79	\$1,646.00	KDRULJ1PE01	\$2,437.00	KDRULJ1PE3R	\$2,565.00
	KDRULJ2P	300	79	\$1,663.00	KDRULJ2PE01	\$2,454.00	KDRULJ2PE3R	\$2,582.00
	KDRULL1P	350	95	\$2,026.00	KDRULL1PE01	\$2,818.00	KDRULL1PE3R	\$2,945.00
	KDRULL2P	400	104	\$2,210.00	KDRULL2PE01	\$3,001.00	KDRULL2PE3R	\$3,128.00
	KDRULL3P	450	109	\$2,523.00	KDRULL3PE01	\$3,316.00	KDRULL3PE3R	\$3,443.00
	KDRULL4P	500	109	\$3,663.00	KDRULL4PE01	\$4,454.00	KDRULL4PE3R	\$4,581.00

575 Volt Output	Part Number	NEC Motor HP	Open		UL Type 1 Enclosed		UL Type 3R Enclosed	
			Weight	List Price	Part Number *	List Price	Part Number *	List Price
	KDRULA31P	2	4	\$173.00	KDRULA31PE01	\$395.00	KDRULA31PE3R	\$510.00
	KDRULA35P	3	4	\$211.00	KDRULA35PE01	\$432.00	KDRULA35PE3R	\$547.00
	KDRULA33P	5	4	\$219.00	KDRULA33PE01	\$441.00	KDRULA33PE3R	\$555.00
	KDRULA34P	7.5	4	\$247.00	KDRULA34PE01	\$468.00	KDRULA34PE3R	\$583.00
	KDRULA36P	10	5	\$309.00	KDRULA36PE01	\$531.00	KDRULA36PE3R	\$645.00
	KDRULD31P	15	10	\$316.00	KDRULD31PE01	\$537.00	KDRULD31PE3R	\$652.00
	KDRULD32P	20	10	\$356.00	KDRULD32PE01	\$579.00	KDRULD32PE3R	\$693.00
	KDRULD35P	25	10	\$427.00	KDRULD35PE01	\$649.00	KDRULD35PE3R	\$763.00
	KDRULD33P	30	12	\$483.00	KDRULD33PE01	\$705.00	KDRULD33PE3R	\$819.00
	KDRULD34P	40	12	\$504.00	KDRULD34PE01	\$727.00	KDRULD34PE3R	\$840.00
	KDRULC31P	50	15	\$695.00	KDRULC31PE01	\$917.00	KDRULC31PE3R	\$1,031.00
	KDRULF31P	60	25	\$720.00	KDRULF31PE01	\$1,151.00	KDRULF31PE3R	\$1,240.00
	KDRULF32P	75	25	\$817.00	KDRULF32PE01	\$1,248.00	KDRULF32PE3R	\$1,337.00
	KDRULF33P	100	33	\$1,046.00	KDRULF33PE01	\$1,477.00	KDRULF33PE3R	\$1,566.00
	KDRULH31P	125	43	\$1,151.00	KDRULH31PE01	\$1,625.00	KDRULH31PE3R	\$1,723.00
	KDRULI31P	150	56	\$1,418.00	KDRULI31PE01	\$1,849.00	KDRULI31PE3R	\$1,938.00
	KDRULI32P	200	51	\$1,862.00	KDRULI32PE01	\$2,654.00	KDRULI32PE3R	\$2,781.00
	KDRULG31P	250	69	\$2,111.00	KDRULG31PE01	\$2,903.00	KDRULG31PE3R	\$3,030.00
	KDRULJ31P	300	75	\$2,123.00	KDRULJ31PE01	\$2,915.00	KDRULJ31PE3R	\$3,043.00
	KDRULJ32P	350	79	\$2,362.00	KDRULJ32PE01	\$3,154.00	KDRULJ32PE3R	\$3,281.00
	KDRULL31P	400	104	\$3,210.00	KDRULL31PE01	\$4,002.00	KDRULL31PE3R	\$4,129.00
	KDRULL35P	450	109	\$3,336.00	KDRULL35PE01	\$4,129.00	KDRULL35PE3R	\$4,255.00
	KDRULL32P	500	109	\$4,149.00	KDRULL32PE01	\$4,941.00	KDRULL32PE3R	\$5,068.00

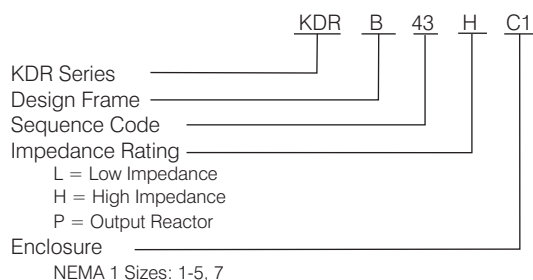
* For enclosed unit dimensions and added weight, please refer to the Reactor Enclosure Price Page

KDR Optimized Line Reactors

690 Volt Output

Part Number	NEC Motor HP	NEC Motor Current	Standard Terms	Dimensions (in.) Height x Width x Depth	Open		NEMA 1 Enclosed	
					Weight	List Price	Part Number *	List Price
KDRA31PV	2	2.7	QD	4.00 x 4.18 x 3.75	4	\$ 166.00	KDRA31PC1V	\$ 290.00
KDRA35PV	3	3.9	QD	4.00 x 4.18 x 3.75	4	\$ 203.00	KDRA35PC1V	\$ 327.00
KDRA33PV	5	6.1	QD	4.00 x 4.18 x 3.75	4	\$ 211.00	KDRA33PC1V	\$ 335.00
KDRA34PV	7.5	9	QD	4.00 x 4.18 x 3.75	4	\$ 237.00	KDRA34PC1V	\$ 362.00
KDRA36PV	10	11	QD	4.00 x 4.18 x 3.75	5	\$ 297.00	KDRA36PC1V	\$ 421.00
KDRD31PV	15	17	RL	5.75 x 7.20 x 4.50	10	\$ 302.00	KDRD31PC2V	\$ 451.00
KDRD32PV	20	22	RL	5.75 x 7.20 x 4.50	10	\$ 340.00	KDRD32PC2V	\$ 488.00
KDRD35PV	25	27	RL	5.75 x 7.20 x 4.50	12	\$ 407.00	KDRD35PC2V	\$ 556.00
KDRD33PV	30	32	RL	5.75 x 7.20 x 4.50	10	\$ 463.00	KDRD33PC2V	\$ 612.00
KDRD34PV	40	41	RL	5.75 x 7.20 x 4.50	12	\$ 484.00	KDRD34PC2V	\$ 633.00
KDRC31PV	50	52	RL	5.75 x 7.20 x 5.00	15	\$ 666.00	KDRC31PC2V	\$ 815.00
KDRF31PV	60	62	RL	7.00 x 9.00 x 6.00	25	\$ 690.00	KDRF31PC3V	\$ 901.00
KDRF32PV	75	77	RL	7.00 x 9.00 x 6.00	25	\$ 783.00	KDRF32PC3V	\$ 994.00
KDRF33PV	100	99	CB	7.00 x 9.00 x 6.00	30	\$ 938.00	KDRF33PC4V	\$ 1,293.00
KDRH31PV	125	125	CB	8.50 x 11.00 x 6.25	40	\$ 1,056.00	KDRH31PC4V	\$ 1,410.00
KDRI31PV	150	144	CB	9.00 x 11.00 x 7.00	50	\$ 1,288.00	KDRI31PC4V	\$ 1,643.00
KDRI32PV	200	192	CB	9.00 x 11.00 x 7.00	45	\$ 1,714.00	KDRI32PC4V	\$ 2,068.00
KDRG31PV	250	242	CB	9.00 x 11.00 x 8.00	60	\$ 1,867.00	KDRG31PC4V	\$ 2,221.00
KDRJ31PV	300	289	CB	9.00 x 11.00 x 9.00	70	\$ 1,880.00	KDRJ31PC5V	\$ 2,351.00
KDRJ32PV	350	336	CB	9.00 x 11.00 x 9.00	70	\$ 2,144.00	KDRJ32PC5V	\$ 2,615.00
KDRL31PV	400	382	CB	11.38 x 14.50 x 9.31	75	\$ 2,839.00	KDRL31PC5V	\$ 3,312.00
KDRL35PV	450	412	CB	11.38 x 14.50 x 9.31	95	\$ 2,960.00	KDRL35PC5V	\$ 3,432.00
KDRL32PV	500	472	CB	11.38 x 14.50 x 9.31	85	\$ 3,741.00	KDRL32PC5V	\$ 4,213.00

Part Numbering System



* For enclosed unit dimensions and added weight, please refer to the Reactor Enclosure Price Page

UL Listed available upon request.