



# Reactor Filter Size Chart

Input of VFD							Output of VFD				
							Up to 100 feet	Up to 1000 feet	Up to 15,000 feet		
Motor HP	Amps	3% Reactor		5 % Reactor		EMI Filter	Load Reactor		V1K Filter		MSD
480v	NEC	Open	Nema 1	Open	Nema 1		Open	Nema 1	Open	Nema 1	Nema 1-3R
0.5	1.1	KDRA6L	KDRA6LC1	KDRA6H	KDRA6HC1	*	KDRA1P	KDRA1PC1	V1K2A00	V1K2A01	*
0.75	1.6	KDRA7L	KDRA7LC1	KDRA7H	KDRA7HC1	*	KDRA1P	KDRA1PC1	V1K2A00	V1K2A01	*
1	2.1	KDRA8L	KDRA8LC1	KDRA8H	KDRA8HC1	*	KLR2BTB	KLR2BTB1	V1K3A00	V1K3A01	*
1.5	3	KDRA9L	KDRA9LC1	KDRA9H	KDRA9HC1	*	KLR3BTB	KLR3BTB1	V1K3A00	V1K3A01	*
2	3.4	KDRA1L	KDRA1LC1	KDRA1H	KDRA1HC1	*	KDRA1P	KDRA1PC1	V1K4A00	V1K4A01	*
3	4.8	KDRA2L	KDRA2LC1	KDRA2H	KDRA2HC1	*	KDRA2P	KDRA2PC1	V1K6A00	V1K6A01	*
5	7.6	KDRA3L	KDRA3LC1	KDRA3H	KDRA3HC1	KRF0008ATB	KDRA3P	KDRA3PC1	V1K8A00	V1K8A01	MSD0009A300
7.5	11	KDRA4L	KDRA4LC1	KDRA4H	KDRA4HC1	KRF0016ATB	KDRA4P	KDRA4PC1	V1K12A00	V1K12A01	MSD0012A300
10	14	KDRA5L	KDRA5LC1	KDRA5H	KDRA5HC1	KRF0016ATB	KDRB1P	KDRB1PC1	V1K16A00	V1K16A01	MSD0016A300
15	21	KDRB2L	KDRB2LC1	KDRB2H	KDRB2HC1	KRF0025ATB	KDRD1P	KDRD1PC2	V1K21A00	V1K21A01	MSD0023A300
20	27	KDRB1L	KDRB1LC1	KDRC3H	KDRC3HC2	KRF0036ATB	KDRD2P	KDRD2PC2	V1K27A00	V1K27A01	MSD0030A300
25	34	KDRD1L	KDRD1LC2	KDRC1H	KDRC1HC2	KRF0036ATB	KDRD3P	KDRD3PC2	V1K35A00	V1K35A01	MSD0035A300
30	40	KDRD2L	KDRD2LC2	KDRE2H	KDRE2HC2	KRF0050ATB	KDRD4P	KDRD4PC2	V1K45A00	V1K45A01	MSD0045A300
40	52	KDRC1L	KDRC1LC2	KDRF4H	KDRF4HC3	KRF0066ATB	KDRD1P	KDRD1PC2	V1K55A00	V1K55A01	MSD0055A300
50	65	KDRF2L	KDRF2LC3	KDRF1H	KDRF1HC3	KRF0066ATB	KDRF1P	KDRF1PC3	V1K80A00	V1K80A01	MSD0065A300
60	77	KDRF4L	KDRF4LC3	KDRF2H	KDRF2HC3	KRF0090ATB	KDRF2P	KDRF2PC3	V1K80A00	V1K80A01	MSD0080A300
75	96	KDRF3L	KDRF3LC4	KDRH2H	KDRH2HC4	KRF0120ACB	KDRF3P	KDRF3PC4	V1K110A00	V1K110A01	MSD0110A300
100	124	KDRH3L	KDRH3LC4	KDRI2H	KDRI2HC4	KRF0150ACB	KDRH1P	KDRH1PC4	V1K130A00	V1K130A01	MSD0130A300
125	156	KDRH2L	KDRH2LC4	KDRG3H	KDRG3HC4	KRF0180ACB	KDRI1P	KDRI1PC4	V1K160A00	V1K160A01	MSD0160A300
150	180	KDRH1L	KDRH1LC4	KDRG1H	KDRG1HC4	KRF0180ACB	KDRI2P	KDRI2PC4	V1K200A00	V1K200A01	MSD0200A300
200	240	KDRG3L	KDRG3LC4	KDRJ1H	KDRJ1HC5	KRF0250ACB	KDRG1P	KDRG1PC4	V1K250A00	V1K250A01	MSD0250A300
250	302	KDRG1L	KDRG1LC4	KDRL1H	KDRL1HC5	KRF0320ACB	KDRJ1P	KDRJ1PC5	V1K305A00	V1K305A01	MSD0305A300
300	361	KDRG2L	KDRG2LC4	KDRL2H	KDRL2HC5	KRF0400ACB	KDRJ2P	KDRJ2PC5	V1K362A00	V1K362A01	MSD0362A300
350	414	KDRJ2L	KDRJ2LC5	KDRL3H	KDRL3HC5	KRF0600ACB	KDRL1P	KDRL1PC5	V1K420A00	V1K420A01	MSD0420A300
400	477	KDRJ1L	KDRJ1LC5	KDRL4H	KDRL4HC5	KRF0600ACB	KDRL2P	KDRL2PC5	V1K480A00	V1K480A01	MSD0480A300
450	515	KDRL1L	KDRL1LC5	KDRL5H	KDRL5HC5	KRF0600ACB	KDRL3P	KDRL3PC5	V1K600A00	V1K600A01	MSD0540A300
500	590	KDRL2L	KDRL2LC5	KDRL6H	KDRL6HC5	KRF0600ACB	KDRL4P	KDRL4PC5	V1600A00	V1K600A01	MSD0600A300
600	720	KDRL3L	KDRL3LC5	KDRS1H	KDRS1HC5 & C7	KRF1000ACB	*	*	V1K750A00	V1K750A01	MSD0750A300
700	840	KDRS1L	KDRS1LC7	KDRS2H	KDRS2HC5 & C7	KRF1000ACB	* Consult Technical Support				MSD0800A300
800	960	KDRX2L	KDRX2LC7	KDRX2H	KDRX2HC5 & C7	KRF1000ACB					MSD0960A300
900	1080	KDRX3L	KDRX3LC7	KDRX3H	KDRX3HC7	KRF1600ACB					MSD1080A300
1000	1200	KDRX1L	KDRX1LC7	KDRX4H	KDRX4HC7	KRF1600ACB					
1100	1320	KDRY1L	KDRY1LC7	KDRY2H	KDRY2HC7	KRF1600ACB					
1250	1500	KDRY2L	KDRY2LC7	KDRY1H	KDRY1HC7	KRF1600ACB					

**Notes:**

Size input and output reactors by FLA of Motor.  
 Sizing for 690 volt available.  
 Output reactors are 1.5% Z to minimize voltage drop to the motor.

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