



Reactor Filter Size Chart

Input of VFD							Output of VFD				
Motor HP 480v	Amps NEC	3% Reactor		5% Reactor		EMI Filter	Up to 100 feet		Up to 1,000 feet		Up to 15,000 feet
		Open	Type 1	Open	Type 1		Load Reactor		V1k Filter		
							Open	Type 1	Open	Type 1	Type 1-3R
0.25	0.7	KDRMA1L1	KDRMA1L1E01	KDRMA1H1	KDRMA1H1E01	*	*	*	*	*	*
0.33	0.8	KDRMA2L1	KDRMA2L1E01	KDRMA2H1	KDRMA2H1E01	*	*	*	*	*	*
0.5	1.1	KDRMA3L1	KDRMA3L1E01	KDRMA3H1	KDRMA3H1E01	*	*	*	V1K2A00	V1K2A01	*
0.75	1.6	KDRMA4L1	KDRMA4L1E01	KDRMA4H1	KDRMA4H1E01	*	KLR2BTB	KLR2BTB1	V1K2A00	V1K2A01	*
1	2.1	KDRMA5L1	KDRMA5L1E01	KDRMA5H1	KDRMA5H1E01	*	KLR2BTB	KLR2BTB1	V1K3A00	V1K3A01	*
1.5	3	KDRMA6L1	KDRMA6L1E01	KDRMA6H1	KDRMA6H1E01	*	KLR3BTB	KLR3BTB1	V1K3A00	V1K3A01	*
2	3.4	KDRMA7L1	KDRMA7L1E01	KDRAA1H2	KDRAA1H2E01	*	KDRA1P	KDRA1PC1	V1K4A00	V1K4A01	MSD0005A300
3	4.8	KDRMA8L1	KDRMA8L1E01	KDRAA2H2	KDRAA2H2E01	*	KDRA2P	KDRA2PC1	V1K6A00	V1K6A01	MSD0005A300
4	6.2	KDRAA6L2	KDRAA6L2E01	KDRAA6H2	KDRAA6H2E01	KRF0008ATB	KDRA3P	KDRA3PC1	V1K8A00	V1K8A01	MSD0009A300
5	7.6	KDRAA3L2	KDRAA3L2E01	KDRAA3H2	KDRAA3H2E01	KRF0008ATB	KDRA3P	KDRA3PC1	V1K8A00	V1K8A01	MSD0009A300
7.5	11	KDRAA4L2	KDRAA4L2E01	KDRA4H	KDRA4HE01	KRF0016ATB	KDRA4P	KDRA4PC1	V1K12A00	V1K12A01	MSD0012A300
10	14	KDRA5L	KDRA5LE01	KDRA5H	KDRA5HE01	KRF0016ATB	KDRB1P	KDRB1PC1	V1K16A00	V1K16A01	MSD0016A300
15	21	KDRB2L	KDRB2LE01	KDRB2H	KDRB2HE01	KRF0025ATB	KDRD1P	KDRD1PC2	V1K21A00	V1K21A01	MSD0023A300
20	27	KDRB1L	KDRB1LE01	KDRC3H	KDRC3HE01	KRF0036ATB	KDRD2P	KDRD2PC2	V1K27A00	V1K27A01	MSD0030A300
25	34	KDRD1L	KDRD1LE01	KDRC1H	KDRC1HE01	KRF0036ATB	KDRD3P	KDRD3PC2	V1K35A00	V1K35A01	MSD0035A300
30	40	KDRD2L	KDRD2LW01	KDRE2H	KDRE2HE01	KRF0050ATB	KDRD4P	KDRD4PC2	V1K45A00	V1K45A01	MSD0045A300
40	52	KDRC1L	KDRC1LE01	KDRF4H	KDRF4HE01	KRF0066ATB	KDRC1P	KDRC1PC2	V1K55A00	V1K55A01	MSD0055A300
50	65	KDRF2L	KDRF2LE01	KDRF1H	KDRF1HE01	KRF0066ATB	KDRF1P	KDRF1PC3	V1K80A00	V1K80A01	MSD0065A300
60	77	KDRF4L	KDRF4LE01	KDRF2H	KDRF2HE01	KRF0090ATB	KDRF2P	KDRF2PC3	V1K80A00	V1K80A01	MSD0080A300
75	96	KDRF3L	KDRF3LE01	KDRH2H	KDRH2HE01	KRF0120ACB	KDRF3P	KDRF3PC4	V1K110A00	V1K110A01	MSD0110A300
100	124	KDRH3L	KDRH3LE01	KDRI2H	KDRI2HE01	KRF0150ACB	KDRH1P	KDRH1PC4	V1K130A00	V1K130A01	MSD0130A300
125	156	KDRH2L	KDRH2LE01	KDRG3H	KDRG3HE01	KRF0180ACB	KDRI1P	KDRI1PC4	V1K160A00	V1K160A01	MSD0160A300
150	180	KDRH1L	KDRH1LE01	KDRG1H	KDRG1HE01	KRF0180ACB	KDRI2P	KDRI2PC4	V1K200A00	V1K200A01	MSD0200A300
200	240	KDRG3L	KDRG3LE01	KDRJ1H	KDRJ1HE01	KRF0250ACB	KDRG1P	KDRG1PC4	V1K250A00	V1K250A01	MSD0250A300
250	302	KDRG1L	KDRG1LE01	KDRL1H	KDRL1HE01	KRF0320ACB	KDRJ1P	KDRJ1PC5	V1K305A00	V1K305A01	MSD0305A300
300	361	KDRG2L	KDRG2LE01	KDRL2H	KDRL2HE01	KRF0400ACB	KDRJ2P	KDRJ2PC5	V1K362A00	V1K362A01	MSD0362A300
350	414	KDRJ2L	KDRJ2LE01	KDRL3H	KDRL3HE01	KRF0600ACB	KDRL1P	KDRL1PC5	V1K420A00	V1K420A01	MSD0420A300
400	477	KDRJ1L	KDRJ1LE01	KDRL4H	KDRL4HE01	KRF0600ACB	KDRL2P	KDRL2PC5	V1K480A00	V1K480A01	MSD0480A300
450	515	KDRL1L	KDRL1LE01	KDRL5H	KDRL5HE01	KRF0600ACB	KDRL3P	KDRL3PC5	V1K600A00	V1K600A01	MSN0540A300
500	590	KDRL2L	KDRL2LE01	KDRL6H	KDRL6HE01	KRF0600ACB	KDRL4P	KDRL4PC5	V1K600A00	V1K600A01	MSN0600A300
600	720	KDRL3L	KDRL3LE01	KDRS1H	KDRS1HE01	KRF1000ACB	*	*	V1K750A00	V1K750A01	MSN0750A300
700	840	KDRS1L	KDRS1LE01	KDRS2H	KDRS2HE01	KRF1000ACB	* Consult Technical Support 1-800-824-8282				MSN0840A300
800	960	KDRX2L	KDRX2LE01	KDRX2H	KDRX2HE01	KRF1000ACB					MSN0960A300
900	1080	KDRX3L	KDRX3LE01	KDRX3H	KDRX3HE01	KRF1600ACB					MSN1080A300
1000	1200	KDRX1L	KDRX1LE01	KDRX4H	KDRX4HE01	KRF1600ACB					*
1100	1320	KDRY1L	KDRY1LE01	KDRY2H	KDRY2HE01	KRF1600ACB					*
1250	1500	KDRY2L	KDRY2LE01	KDRY1H	KDRY1HE01	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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