

被動式濾波器於 380–480V 系統之應用說明

依據總部提供之文件與技術說明，變頻器搭配指定之被動式諧波濾波器，可應用於 380–480V 電源系統。實際 THDi 表現仍可能因系統阻抗、配線方式、負載條件及現場環境而有所差異，建議客戶依實際應用條件進行最終系統確認。被動式濾波器型號請參考下表

Table showing possible combinations of options for ATV930...M3/M3C, ATV930...N4/N4C, and ATV930...N4Z drives									
Motor kW HP	Drive	Accessories			Options				
		Fan kit	Flange-mounting kit	UL Type 1 (IP2X) conformity kit	Passive filters (50 Hz)		Passive filters (60 Hz)		
Three-phase supply voltage: 200...240 V 50/60 Hz - IP21/UL Type 1									
0.75	1	ATV930U07M3	VX5VPS1001	NSYPTDS1	–	–	–	–	–
1.5	2	ATV930U15M3	VX5VPS1001	NSYPTDS1	–	–	–	–	–
2.2	3	ATV930U22M3	VX5VPS1001	NSYPTDS1	–	–	–	–	–
3	–	ATV930U30M3	VX5VPS1001	NSYPTDS1	–	–	–	–	–
4	5	ATV930U40M3	VX5VPS1001	NSYPTDS1	–	–	–	–	–
5.5	7.5	ATV930U55M3	VX5VPS2001	NSYPTDS2	–	–	–	–	–
7.5	10	ATV930U75M3	VX5VPS3001	NSYPTDS3	–	–	–	–	–
11	15	ATV930D11M3	VX5VPS3001	NSYPTDS3	–	–	–	–	–
15	20	ATV930D15M3	VX5VPS4001	NSYPTDS4	–	–	–	–	–
18.5	25	ATV930D18M3	VX5VPS4001	NSYPTDS4	–	–	–	–	–
22	30	ATV930D22M3	VX5VPS4001	NSYPTDS4	–	–	–	–	–
30	40	ATV930D30M3	VX5VPS5001	NSYPTDS5	–	–	–	–	–
37	50	ATV930D37M3	VX5VPS5001	NSYPTDS5	–	–	–	–	–
45	60	ATV930D45M3	VX5VPS5001	NSYPTDS5	–	–	–	–	–
Three-phase supply voltage: 200...240 V 50/60 Hz - IP21/UL Type 1 without braking unit									
45	60	ATV930D30M3C	VX5VPS5001	NSYPTDS5	–	–	–	–	–
45	60	ATV930D37M3C	VX5VPS5001	NSYPTDS5	–	–	–	–	–
45	60	ATV930D45M3C	VX5VPS5001	NSYPTDS5	–	–	–	–	–
55	75	ATV930D55M3C	VX5VPS6001	VW3A95116	VW3A9704	–	–	–	–
75	100	ATV930D75M3C	VX5VPS6001	VW3A95116	VW3A9704	–	–	–	–
Three-phase supply voltage: 380...480 V 50/60 Hz - IP21/UL Type 1 with braking unit									
0.75	–	ATV930U07N4	VX5VPS1001	NSYPTDS1	–	VW3A46101	VW3A46120	VW3A46139	VW3A46158
1.5	2	ATV930U15N4	VX5VPS1001	NSYPTDS1	–	VW3A46101	VW3A46120	VW3A46139	VW3A46158
2.2	3	ATV930U22N4	VX5VPS1001	NSYPTDS1	–	VW3A46101	VW3A46120	VW3A46139	VW3A46158
3	–	ATV930U30N4	VX5VPS1001	NSYPTDS1	–	VW3A46101	VW3A46120	VW3A46139	VW3A46158
4	5	ATV930U40N4	VX5VPS1001	NSYPTDS1	–	VW3A46102	VW3A46121	VW3A46140	VW3A46159
5.5	7.5	ATV930U55N4	VX5VPS1001	NSYPTDS1	–	VW3A46102	VW3A46121	VW3A46140	VW3A46159
7.5	10	ATV930U75N4	VX5VPS2001	NSYPTDS2	–	VW3A46103	VW3A46122	VW3A46141	VW3A46160
11	15	ATV930D11N4	VX5VPS2001	NSYPTDS2	–	VW3A46104	VW3A46123	VW3A46142	VW3A46161
15	20	ATV930D15N4	VX5VPS3001	NSYPTDS3	–	VW3A46105	VW3A46124	VW3A46143	VW3A46162
18.5	25	ATV930D18N4	VX5VPS3001	NSYPTDS3	–	VW3A46106	VW3A46125	VW3A46144	VW3A46163
22	30	ATV930D22N4	VX5VPS3001	NSYPTDS3	–	VW3A46107	VW3A46126	VW3A46145	VW3A46164
30	40	ATV930D30N4	VX5VPS4001	NSYPTDS4	–	VW3A46108	VW3A46127	VW3A46146	VW3A46165
37	50	ATV930D37N4	VX5VPS4001	NSYPTDS4	–	VW3A46109	VW3A46128	VW3A46147	VW3A46166
45	60	ATV930D45N4	VX5VPS4001	NSYPTDS4	–	VW3A46110	VW3A46129	VW3A46148	VW3A46167
55	75	ATV930D55N4	VX5VPS5001	NSYPTDS5	–	VW3A46111	VW3A46130	VW3A46149	VW3A46168
75	100	ATV930D75N4	VX5VPS5001	NSYPTDS5	–	VW3A46112	VW3A46131	VW3A46150	VW3A46169
90	125	ATV930D90N4	VX5VPS5001	NSYPTDS5	–	VW3A46113	VW3A46132	VW3A46151	VW3A46170
110	150	ATV930C11N4	VX5VPS6001	VW3A95116	–	VW3A46114	VW3A46133	VW3A46152	VW3A46171
132	200	ATV930C13N4	VX5VPS6001	VW3A95116	–	VW3A46115	VW3A46134	VW3A46153	VW3A46172
160	250	ATV930C16N4	VX5VPS6001	VW3A95116	–	VW3A46116	VW3A46135	VW3A46154	VW3A46173
220	350	ATV930C22N4	VZ3V1212 (3)	VW3A9513	VW3A9212	VW3A46118	VW3A46137	VW3A46155	VW3A46174
Three-phase supply voltage: 380...480 V 50/60 Hz - IP21/UL Type 1 without braking unit									
55	75	ATV930D55N4C	VX5VPS5001	NSYPTDS5	–	VW3A46111	VW3A46130	VW3A46149	VW3A46168
75	100	ATV930D75N4C	VX5VPS5001	NSYPTDS5	–	VW3A46112	VW3A46131	VW3A46150	VW3A46169
90	125	ATV930D90N4C	VX5VPS5001	NSYPTDS5	–	VW3A46113	VW3A46132	VW3A46151	VW3A46170
110	150	ATV930C11N4C	VX5VPS6001	VW3A95116	VW3A9704	VW3A46114	VW3A46133	VW3A46152	VW3A46171
132	200	ATV930C13N4C	VX5VPS6001	VW3A95116	VW3A9704	VW3A46115	VW3A46134	VW3A46153	VW3A46172
160	250	ATV930C16N4C	VX5VPS6001	VW3A95116	VW3A9704	VW3A46116	VW3A46135	VW3A46154	VW3A46173
220	350	ATV930C22N4C	VZ3V1212 (3)	VW3A9513	VW3A9212	VW3A46118	VW3A46137	VW3A46155	VW3A46174
250	400	ATV930C25N4C	VZ3V1212 (3)	VW3A9514 VW3A9515 (4)	VW3A9213 (5)	VW3A46119	VW3A46138	VW3A46157	VW3A46176
315	500	ATV930C31N4C	VZ3V1212 (3)	VW3A9514 VW3A9515 (4)	VW3A9213 (5)	2 x VW3A46116	2 x VW3A46135	2 x VW3A46153	2 x VW3A46172

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Table showing possible combinations of options for ATV630...M3, ATV630...N4, ATV630...N4Z, and ATV630...Y6 drive

Motor		Drive	Wear parts			Options				
kW	HP		Fan kit	UL Type 1 (IP2X) conformity kit	Flange-mounting kit	Passive filters (50 Hz)		Passive filters (60 Hz)		
Three-phase supply voltage: 200...240 V 50/60 Hz - IP21/UL Type 1										
0.75	1	ATV630U07M3	VX5VPS1001	-	-	NSYPTDS1	-	-	-	-
1.5	2	ATV630U15M3	VX5VPS1001	-	-	NSYPTDS1	-	-	-	-
2.2	3	ATV630U22M3	VX5VPS1001	-	-	NSYPTDS1	-	-	-	-
3	-	ATV630U30M3	VX5VPS1001	-	-	NSYPTDS1	-	-	-	-
4	5	ATV630U40M3	VX5VPS1001	-	-	NSYPTDS1	-	-	-	-
5.5	7.5	ATV630U55M3	VX5VPS2001	-	-	NSYPTDS2	-	-	-	-
7.5	10	ATV630U75M3	VX5VPS3001	-	-	NSYPTDS3	-	-	-	-
11	15	ATV630D11M3	VX5VPS3001	-	-	NSYPTDS3	-	-	-	-
15	20	ATV630D15M3	VX5VPS4001	-	-	NSYPTDS4	-	-	-	-
18.5	25	ATV630D18M3	VX5VPS4001	-	-	NSYPTDS4	-	-	-	-
22	30	ATV630D22M3	VX5VPS4001	-	-	NSYPTDS4	-	-	-	-
30	40	ATV630D30M3	VX5VPS5001	-	-	NSYPTDS5	-	-	-	-
37	50	ATV630D37M3	VX5VPS5001	-	-	NSYPTDS5	-	-	-	-
45	60	ATV630D45M3	VX5VPS5001	-	-	NSYPTDS5	-	-	-	-
55	75	ATV630D55M3	VX5VPS6001	VW3A9704	VW3A95116	-	-	-	-	-
75	100	ATV630D75M3	VX5VPS6001	VW3A9704	VW3A95116	-	-	-	-	-
Three-phase supply voltage: 380...480 V 50/60 Hz - IP21/UL Type 1										
0.75	1	ATV630U07N4	VX5VPS1001	-	-	NSYPTDS1	VW3A46101	VW3A46120	VW3A46139	VW3A46158
1.5	2	ATV630U15N4	VX5VPS1001	-	-	NSYPTDS1	VW3A46101	VW3A46120	VW3A46139	VW3A46158
2.2	3	ATV630U22N4	VX5VPS1001	-	-	NSYPTDS1	VW3A46101	VW3A46120	VW3A46139	VW3A46158
3	-	ATV630U30N4	VX5VPS1001	-	-	NSYPTDS1	VW3A46101	VW3A46120	VW3A46139	VW3A46158
4	5	ATV630U40N4	VX5VPS1001	-	-	NSYPTDS1	VW3A46102	VW3A46121	VW3A46140	VW3A46159
5.5	7.5	ATV630U55N4	VX5VPS1001	-	-	NSYPTDS1	VW3A46102	VW3A46121	VW3A46140	VW3A46159
7.5	10	ATV630U75N4	VX5VPS2001	-	-	NSYPTDS2	VW3A46103	VW3A46122	VW3A46141	VW3A46160
11	15	ATV630D11N4	VX5VPS2001	-	-	NSYPTDS2	VW3A46104	VW3A46123	VW3A46142	VW3A46161
15	20	ATV630D15N4	VX5VPS3001	-	-	NSYPTDS3	VW3A46105	VW3A46124	VW3A46143	VW3A46162
18.5	25	ATV630D18N4	VX5VPS3001	-	-	NSYPTDS3	VW3A46106	VW3A46125	VW3A46144	VW3A46163
22	30	ATV630D22N4	VX5VPS3001	-	-	NSYPTDS3	VW3A46107	VW3A46126	VW3A46145	VW3A46164
30	40	ATV630D30N4	VX5VPS4001	-	-	NSYPTDS4	VW3A46108	VW3A46127	VW3A46146	VW3A46165
37	50	ATV630D37N4	VX5VPS4001	-	-	NSYPTDS4	VW3A46109	VW3A46128	VW3A46147	VW3A46166
45	60	ATV630D45N4	VX5VPS4001	-	-	NSYPTDS4	VW3A46110	VW3A46129	VW3A46148	VW3A46167
55	75	ATV630D55N4	VX5VPS5001	-	-	NSYPTDS5	VW3A46111	VW3A46130	VW3A46149	VW3A46168
75	100	ATV630D75N4	VX5VPS5001	-	-	NSYPTDS5	VW3A46112	VW3A46131	VW3A46150	VW3A46169
90	125	ATV630D90N4	VX5VPS5001	-	-	NSYPTDS5	VW3A46113	VW3A46132	VW3A46151	VW3A46170
110	150	ATV630C11N4	VX5VPS6001	VW3A9704	VW3A95116	VW3A46114	VW3A46133	VW3A46152	VW3A46171	VW3A46172
132	200	ATV630C13N4	VX5VPS6001	VW3A9704	VW3A95116	VW3A46115	VW3A46134	VW3A46153	VW3A46172	VW3A46172
160	250	ATV630C16N4	VX5VPS6001	VW3A9704	VW3A95116	VW3A46116	VW3A46135	VW3A46154	VW3A46173	VW3A46173
220	350	ATV630C22N4	VZ3V1212 (3)	VW3A9212	VW3A9513	VW3A46118	VW3A46137	VW3A46155	VW3A46174	VW3A46174
250	400	ATV630C25N4	VZ3V1212 (3)	VW3A9213	VW3A9514	VW3A46119	VW3A46138	VW3A46157	VW3A46176	VW3A46176
315	500	ATV630C31N4	VZ3V1212 (3)	VW3A9213	VW3A9514	VW3A46116 x 2	VW3A46135 x 2	VW3A46153 x 2	VW3A46172 x 2	VW3A46172 x 2

60Hz PASSIVE FILTE and List price	
VW3A46158	PASSIVE FILTER 6A 460V 60HZ
VW3A46159	PASSIVE FILTER 10A 460V 60HZ
VW3A46160	PASSIVE FILTER 14A 460V 60HZ
VW3A46161	PASSIVE FILTER 19A 460V 60HZ
VW3A46162	PASSIVE FILTER 26A 460V 60HZ
VW3A46163	PASSIVE FILTER 32A 460V 60HZ
VW3A46164	PASSIVE FILTER 37A 460V 60HZ
VW3A46165	PASSIVE FILTER 50A 460V 60HZ
VW3A46166	PASSIVE FILTER 60A 460V 60HZ
VW3A46167	PASSIVE FILTER 76A 460V 60HZ
VW3A46168	PASSIVE FILTER 99A 460V 60HZ
VW3A46169	PASSIVE FILTER 122A 460V 60HZ
VW3A46170	PASSIVE FILTER 160A 460V 60HZ
VW3A46171	PASSIVE FILTER 190A 460V 60HZ
VW3A46172	PASSIVE FILTER 240A 460V 60HZ
VW3A46173	PASSIVE FILTER 291A 460V 60HZ
VW3A46174	PASSIVE FILTER 369A 460V 60HZ
VW3A46176	PASSIVE FILTER 450A 460V 60HZ

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