

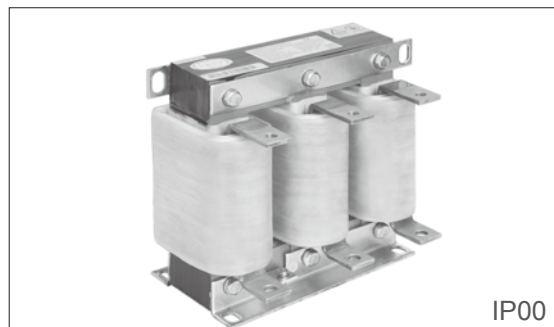
输入/输出交流电抗器

Input AC/Output AC Reactor

产品简述 (Product Profile)

输入电抗器：是限流设备，用于驱动器的输入侧，保护交流驱动器不受瞬态超压的影响。有降低浪涌和峰值电流，提高真实功率因数，抑制电网谐波，改善输入电流波形的作用。

Input AC Reactor is applied at the AC drive input side to suppress inrush voltage, designed to reduce inrush & peak current, improve the real power factor, restrain the grid harmonics and improve the input current waveform.



输出电抗器：用于平滑滤波，降低瞬变电压 dv/dt ，延长电机寿命。可以降低电机噪音，减低涡流损耗。降低输出高次谐波造成的漏电流。保护变频器内部的功率开关器件。

Output AC Reactor is applied to smoothing the circuit and filter harmonics in order to reduce the transient voltage dv/dt and extend the service life of the electric motors, which reduces the motor noise, eddy loss and leakage current resulting from the output of high harmonics and protects the power switch within the inverters.

产品特点 (Product Features)

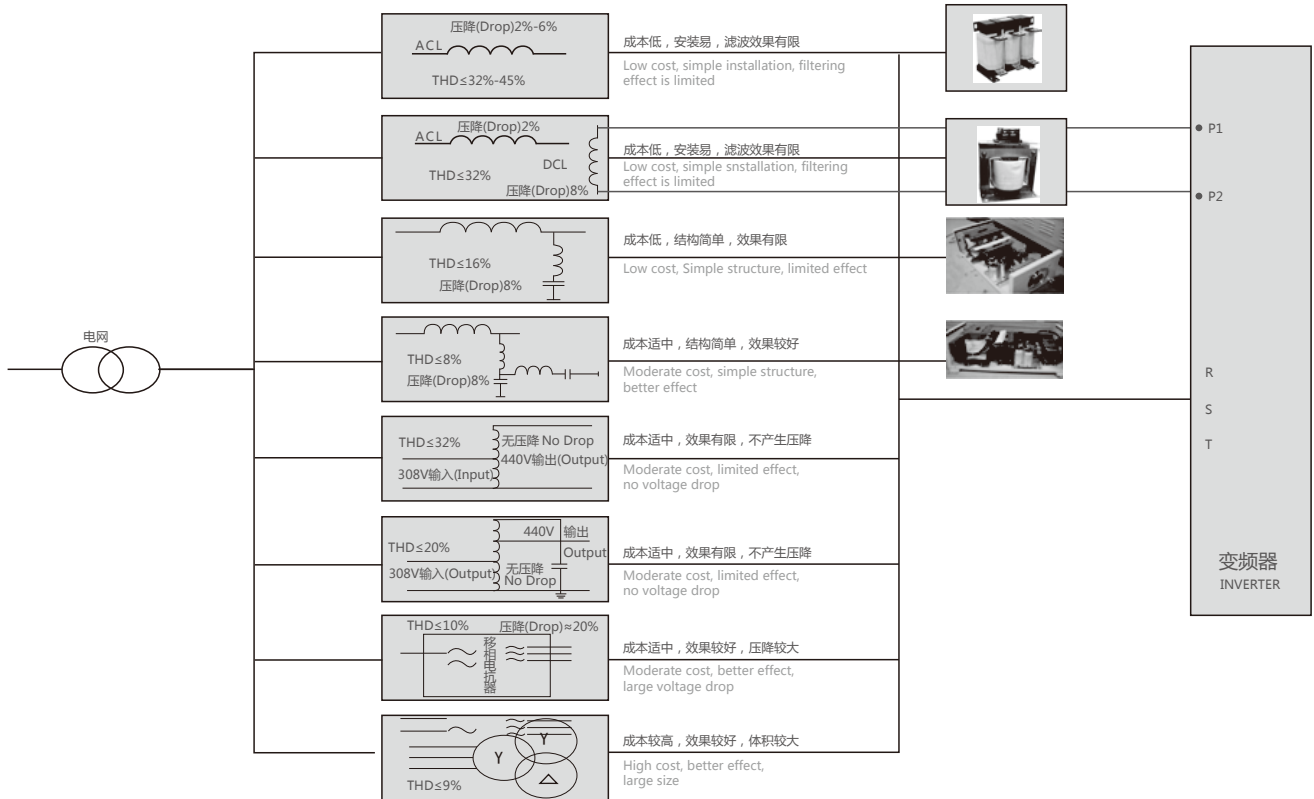
交流输入电抗器：采用了高性能的箔式绕组结构，具有直流电阻小，抗短路能力强，短时间过载能力强；采用高性能的F级以上的复合绝缘材料，使产品在严酷的工作条件下依然可以保持可靠的性能；电抗器设计磁通密度低，线性度好，过载能力强，配合真空压力浸渍工艺电抗器噪音小；铁芯采用优质低损耗冷轧取向硅钢片，电抗器损耗小，效率高，温升低。

Due to the excellent foil winding structure, Input AC Reactor is characterized by small DC resistance, strong ability to withstand short circuit and strong short-time overload capability. F Class insulation materials equip the products with reliable performance even in harsh operating conditions; designed with low magnetic flux density, the reactor is of high linearity and powerful overload capacity. Moreover, combined with VPI process, the reactor noise is low; With the core made of grain-oriented cold rolled silicon steel sheets, the reactor boasts high efficiency, low core loss and low temperature rise.

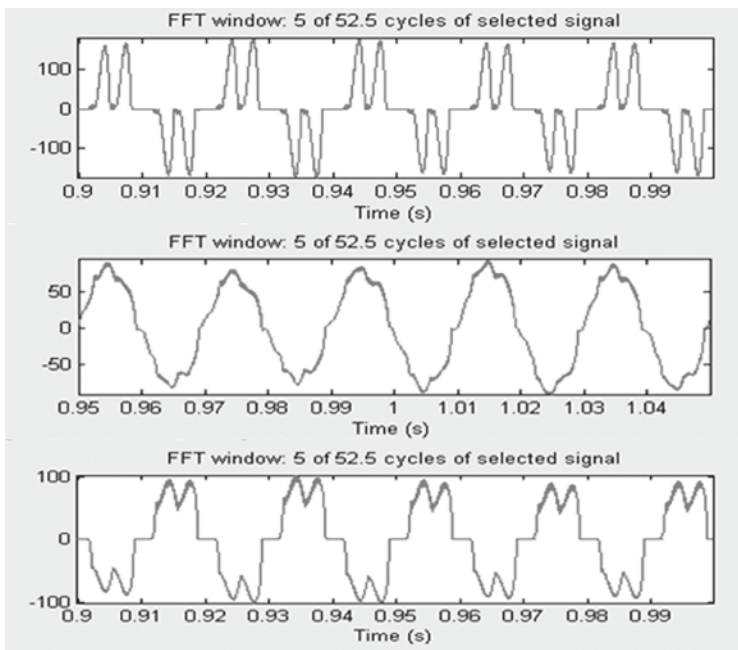
交流输出电抗器：可以根据客户使用频率的高低合理选取磁性材料（硅钢片，铁氧体，非晶铁心，磁粉芯）；采用了高性能的箔式绕组结构，具有直流电阻小，抗电磁力能力强，短时间过载能力强；采用高性能的F级以上的复合绝缘材料，使产品在严酷的工作条件下依然可以保持可靠的性能；电抗器设计磁通密度低，线性度好，过载能力强，配合真空压力浸渍工艺电抗器噪音小。

Different choices of magnetic materials (Silicon steel sheets, ferrite material or amorphous core) are available to match the frequencies of different application. Due to the excellent foil winding structure, Output AC Reactor is characterized by small DC resistance, strong resistance to electromagnetic interference and strong short-time overload capability. F Class insulation materials equip the products with reliable performance even in harsh operating conditions; Designed with low magnetic flux density, the reactor is of high linearity and powerful overload capacity. Moreover, combined with VPI process, the reactor noise is low.

变频输入端解决方案 (Solutions to the inverter input side)



变频器输入端电流波形图 (Inverter input current waveform)



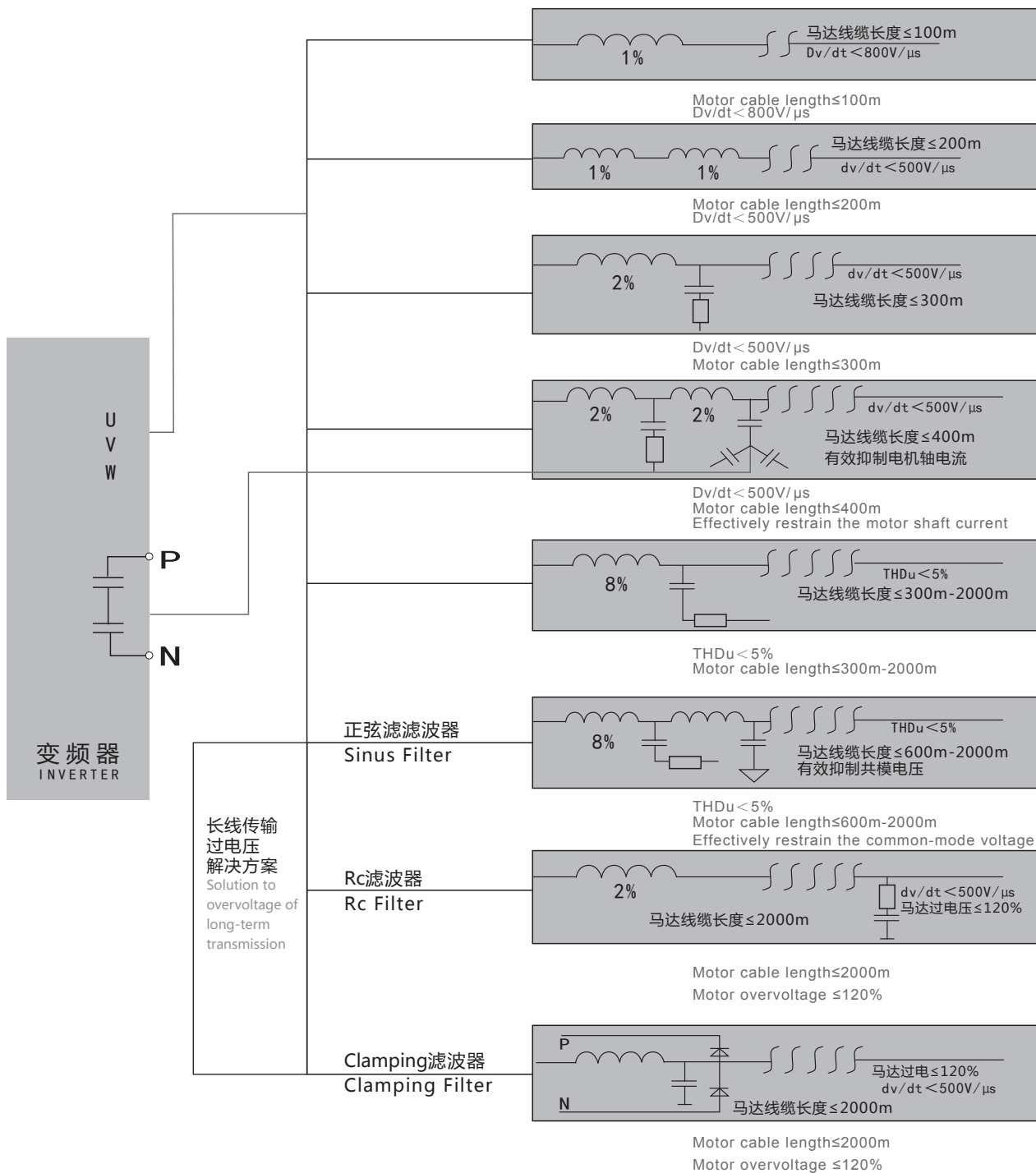
正常变频器输入端电流波形图
Conventional Inverter input current waveform

加谐波滤波器变频器输入端电流波形图
The inverter input current waveform with Harmonic Filter

加输入电抗器变频器输入端电流波形图
The inverter input current waveform with Input Reactor

输入/输出交流电抗器
Input AC/Output AC Reactor

变频输出端解决方案 (Solution to the inverter output side)

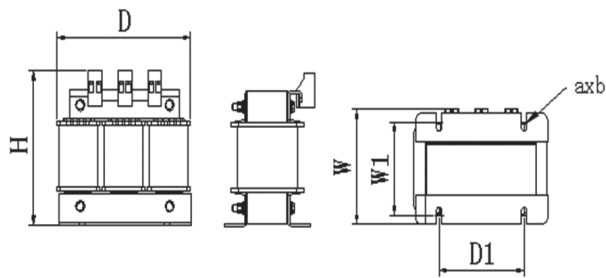


输入/输出交流电抗器 Input AC/Output AC Reactor

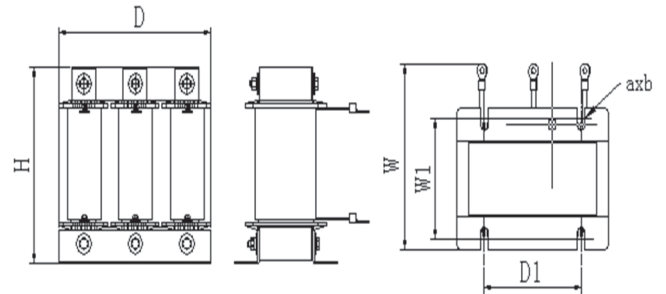
380V交流输入电抗器选型表 (380V Input AC Reactor Selection Table)

(2%压降 2% Voltage Drop)

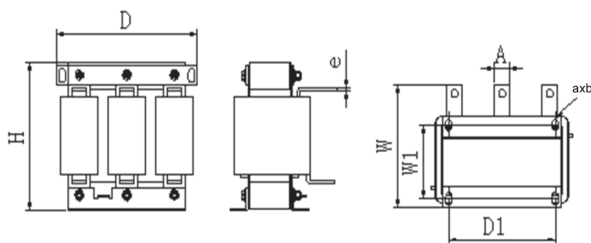
序号 No	功率 Power (kW)	额定 电流 Rated current (A)	电感 Inductance value (mH)	压降 Voltage drop	绝缘 等级 Insulation class	电抗型号 Reactor type	图号 Picture No.	产品规格 Product specifications						
								D*H*W (mm)	D1*W1 (mm)	a*b (mm)	安装孔 直径 φ(mm)	A*e (mm)	材质 Material	重量 Weight (kg)
1	1.5	5	2.8	2%	F	ACL-0005-EISC-E2M8C	A	110*130*84	91*65	6*11	/	/	Cu	2.4
2	2.2	7	2	2%	F	ACL-0007-EISC-E2M0C		110*130*84	91*65	6*11	/	/	Cu	2.5
3	3.7	10	1.4	2%	F	ACL-0010-EISC-E1M4C		110*130*84	91*65	6*11	/	/	Cu	2.6
4	5.5	15	0.93	2%	F	ACL-0015-EISC-EM93C		125*135*84	40*64	6*9	/	/	Cu	3.3
5	7.5	20	0.7	2%	F	ACL-0020-EISC-EM70C		130*135*84	40*64	6*9	/	/	Cu	3.3
6	11	30	0.47	2%	F	ACL-0030-EISCL-EM47C		200*125*116	120*72	8.5*20	/	/	Cu	4.9
7	15	40	0.35	2%	F	ACL-0040-EISCL-EM35C	B	200*125*116	120*72	8.5*20	/	/	Cu	4.9
8	18.5	50	0.28	2%	F	ACL-0050-EISCL-EM28C		200*160*120	120*72	8.5*20	/	/	Cu	5.9
9	22	60	0.24	2%	F	ACL-0060-EISCL-EM24C		200*150*120	120*72	8.5*20	/	/	Cu	5.9
10	37	90	0.16	2%	F	ACL-0090-EISCL-EM16C		200*160*120	120*72	8.5*20	/	/	Cu	6.9
11	45	120	0.12	2%	F	ACL-0120-EISCL-EM12C		200*140*155	120*72	8.5*20	/	/	Cu	10
12	55	150	0.095	2%	F	ACL-0150-EISH-E95UC		195*210*160	120*92	8.5*20	11	25*5	AL	14
13	75	200	0.07	2%	F	ACL-0200-EISH-E70UC	C	195*220*170	120*102	8.5*20	11	25*5	AL	16
14	110	250	0.056	2%	F	ACL-0250-EISH-E56UC		250*230*170	182*96	11*18	11	25*5	AL	18
15	132	290	0.048	2%	F	ACL-0290-EISH-E48UC		250*230*180	182*96	11*18	12	30*5	AL	21
16	160	330	0.042	2%	F	ACL-0330-EISH-E42UC		250*235*190	182*106	11*18	12	30*5	AL	22
17	185	390	0.036	2%	F	ACL-0390-EISH-E36UC		290*250*185	214*100	11*18	12	30*5	AL	25
18	220	490	0.028	2%	F	ACL-0490-EISH-E28UC		300*280*205	214*110	11*18	13	40*8	AL	33
19	250	530	0.026	2%	F	ACL-0530-EISH-E26UC		300*280*205	214*110	11*18	13	40*8	AL	42
20	280	600	0.023	2%	F	ACL-0600-EISH-E23UC		300*280*230	214*130	11*18	13	40*8	AL	42
21	300	660	0.021	2%	F	ACL-0660-EISH-E21UC		300*280*230	214*130	11*18	13	40*8	AL	45
22	380	800	0.017	2%	F	ACL-0800-EISH-E17UC		330*350*235	243*132	12*20	2-φ12	60*8	AL	55
23	450	1000	0.014	2%	F	ACL-1000-EISH-E14UC		330*385*250	243*132	12*20	2-φ12	60*10	AL	56
24	550	1250	0.011	2%	F	ACL-1250-EISH-E11UC		330*425*275	243*157	12*20	2-φ12	60*10	AL	76



Picutre A



Picutre B



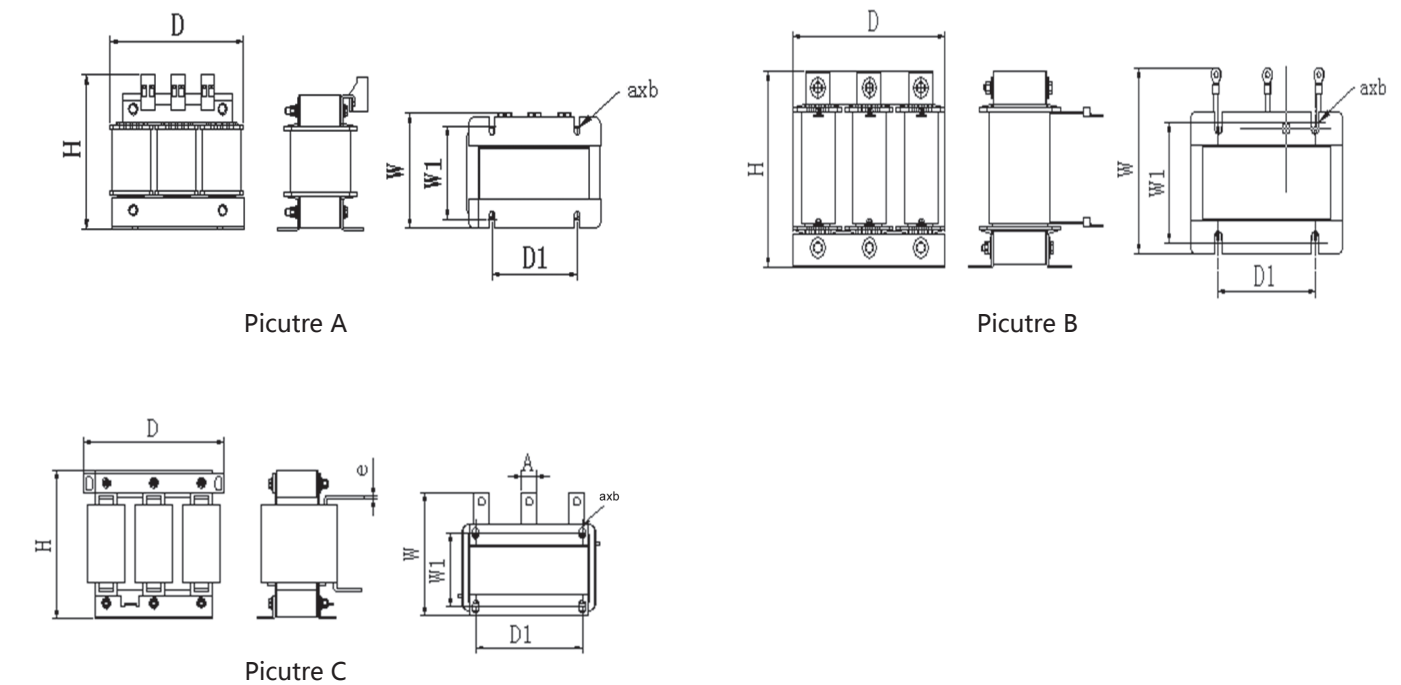
Picutre C

输入/输出交流电抗器

Input AC/Output AC Reactor

380V交流输出电抗器选型表 (380V Output AC Reactor Selection Table)

(1%压降 1% Voltage Drop)							产品规格 Product specifications							
序号 No	功率 Power (kW)	额定 电流 Rated current (A)	电感 Inductance value (mH)	压降 Voltage drop	绝缘 等级 Insulation class	电抗型号 Reactor type	图号 Picture No.	D*H*W (mm)	D1*W1 (mm)	a*b (mm)	安装孔 直径 Φ(mm)	A*e (mm)	材质 Material	重量 Weight (kg)
1	1.5	5	1.40	1%	F	OCL-0005-EISC-E1M4C	A	110*130*84	91*65	6*11	/	/	Cu	2.4
2	2.2	7	1.00	1%	F	OCL-0007-EISC-E1M0C		110*130*84	91*65	6*11	/	/	Cu	2.4
3	3.7	10	0.70	1%	F	OCL-0010-EISC-EM70C		110*130*84	91*65	6*11	/	/	Cu	2.4
4	5.5	15	0.47	1%	F	OCL-0015-EISC-EM47C		155*140*84	95*61	6*15	/	/	Cu	3
5	7.5	20	0.35	1%	F	OCL-0020-EISC-EM35C		155*140*84	95*61	6*15	/	/	Cu	3.8
6	11	30	0.23	1%	F	OCL-0030-EISCL-EM23C	B	200*130*116	120*72	8.5*20	/	/	Cu	4.6
7	15	40	0.18	1%	F	OCL-0040-EISCL-EM18C		200*130*116	120*72	8.5*20	/	/	Cu	4.8
8	18.5	50	0.14	1%	F	OCL-0050-EISCL-EM14C		200*130*116	120*72	8.5*20	/	/	Cu	5
9	22	60	0.12	1%	F	OCL-0060-EISCL-EM12C		200*130*116	120*72	8.5*20	/	/	Cu	5.1
10	30	80	0.09	1%	F	OCL-0080-EISC-E87UC		195*165*130	120*72	8.5*20	/	/	Cu	6
11	37	90	0.08	1%	F	OCL-0090-EISC-E78UC		195*165*130	120*72	8.5*20	/	/	Cu	6
12	45	120	0.06	1%	F	OCL-0120-EISC-E58UC		195*165*165	150*88	8*15	/	/	Cu	9
13	55	150	0.05	1%	F	OCL-0150-EISH-E47UC	C	195*210*155	120*92	8.5*20	11	20*5	AL	10
14	75	200	0.04	1%	F	OCL-0200-EISH-E35UC		195*210*165	120*102	8.5*20	11	20*5	AL	12
15	110	250	0.03	1%	F	OCL-0250-EISH-E28UC		195*210*165	120*102	8.5*20	11	20*5	AL	12
16	132	290	0.02	1%	F	OCL-0290-EISH-E24UC		255*240*175	182*91	11*18	12	30*5	AL	20
17	160	330	0.02	1%	F	OCL-0330-EISH-E21UC		255*240*175	182*91	11*18	12	30*5	AL	20
18	185	390	0.02	1%	F	OCL-0390-EISH-E18UC		255*245*175	182*91	11*18	12	30*5	AL	20
19	220	490	0.01	1%	F	OCL-0490-EISH-E14UC		300*295*190	214*95	11*18	14	40*8	AL	28
20	250	530	0.01	1%	F	OCL-0530-EISH-E13UC		300*295*190	214*95	11*18	14	40*8	AL	29
21	280	600	0.01	1%	F	OCL-0600-EISH-E12UC		300*295*210	214*110	11*18	14	40*8	AL	33
22	300	660	0.01	1%	F	OCL-0660-EISH-E11UC		300*315*210	214*110	11*18	14	40*8	AL	38
23	380	800	0.01	1%	F	OCL-0800-EISH-E8U7C		325*350*215	243*112	12*20	2-Φ13	60*8	AL	40
24	450	1000	0.01	1%	F	OCL-1000-EISH-E7U0C		325*350*215	243*112	12*20	2-Φ13	60*8	AL	40
25	550	1200	0.01	1%	F	OCL-1200-EISH-E5U8C		325*395*235	243*132	12*20	2-Φ13	60*8	AL	56

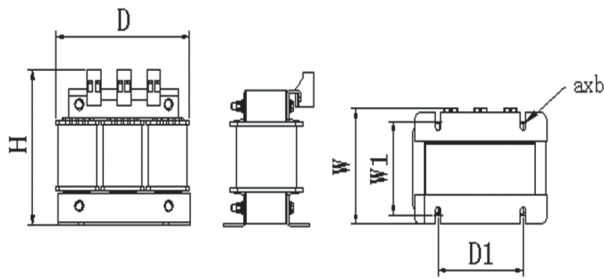


输入/输出交流电抗器 Input AC/Output AC Reactor

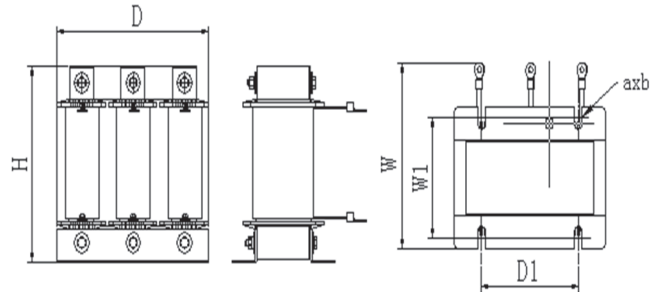
690V 交流输入电抗器选型表 (690V Input AC Reactor Selection Table)

(2%压降 2% Voltage Drop)

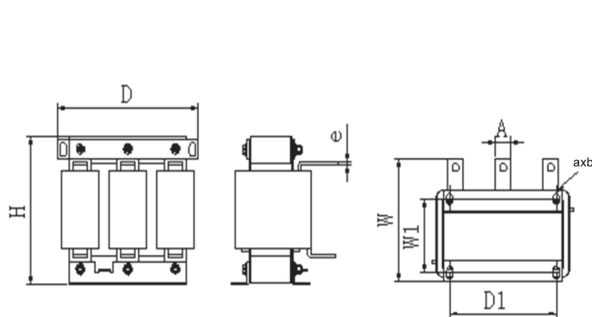
序号 №	690V 功率 Power(kW)	400V 功率 Power(kW)	额定 电流 Rated current (A)	电感 值 Inductance value (mH)	绝缘 等级 Insulation class	电抗型号 Reactor type	图号 Picture No.	产品规格 Product specifications						
								D*H*W (mm)	D1*W1 (mm)	a*b (mm)	安装孔 直径 φ(mm)	A*e (mm)	材质 Material	重量 Weight (kg)
1	3	2.2	7	3.50	F	ACL-0007-EISC-E3M5	A	155*175*110	95*61	6*15	/	/	Cu	4
2	7.5	5.5	15	1.90	F	ACL-0015-EISH-E1M9	B	195*165*125	120*97	8.5*20	/	/	Al	9
3	11	7.5	20	1.40	F	ACL-0020-EISH-E1M4		195*165*170	120*97	8.5*20	/	/	Al	9.5
4	15	11	30	0.93	F	ACL-0030-EISH-EM93		195*165*170	120*102	8.5*20	/	/	Al	11
5	22	15	40	0.70	F	ACL-0040-EISH-EM70		195*165*175	120*102	8.5*20	/	/	Al	11
6	30	18.5	50	0.56	F	ACL-0050-EISH-EM56		195*185*155	120*107	8.5*20	/	/	Al	13
7	37	22	60	0.47	F	ACL-0060-EISH-EM47	C	195*190*170	120*107	8.5*20	/	/	Al	13
8	45	30	80	0.35	F	ACL-0080-EISH-EM35		250*230*185	182*111	11*18	8	20*5	Al	17
9	55	37	90	0.31	F	ACL-0090-EISH-EM31		250*230*180	182*111	11*18	8	20*5	Al	23
10	75	45	120	0.23	F	ACL-0120-EISH-EM23		245*225*180	182*113	11*18	8	20*5	Al	23
11	90	55	150	0.19	F	ACL-0150-EISH-EM19		295*240*200	214*112	11*18	11	25*5	Al	29
12	132	75	200	0.14	F	ACL-0200-EISH-EM14	E	295*240*208	214*122	11*18	11	25*5	Al	33
13	200	110	250	0.11	F	ACL-0250-EISH-EM11		295*240*210	214*122	11*18	11	25*5	Al	33
14	315	160	330	0.09	F	ACL-0330-EISH-E85U		325*310*220	243*127	12*20	12	30*5	Al	47
15	355	185	390	0.07	F	ACL-0390-EISH-E72U		325*315*220	243*134	12*20	12	30*5	Al	48
16	400	220	490	0.06	F	ACL-0490-EISH-E57U		385*350*255	260*175	12*20	12	50*8	Al	62
17	450	250	530	0.05	F	ACL-0530-EISH-E53U		385*350*260	260*175	12*20	12	50*8	Al	70
18	500	280	600	0.05	F	ACL-0600-EISH-E47U		395*350*267	275*175	12*20	12	50*8	Al	88
19	560	300	660	0.04	F	ACL-0660-EISH-E42U		395*350*266	275*175	12*20	12	50*8	Al	90
20	710	380	800	0.04	F	ACL-0800-EISH-E35U		430*450*280	295*190	12*20	12	60*10	Al	135
21	900	450	1000	0.03	F	ACL-1000-EISH-E28U		430*450*285	295*190	12*20	12	60*10	Al	135
22	1100	550	1200	0.02	F	ACL-1200-EISH-E22U		490*575*315	345*195	14*25	12	80*8	Al	190
23	1400	630	1600	0.02	F	ACL-1600-EISH-E18U		540*575*325	395*195	14*25	12	80*10	Al	205



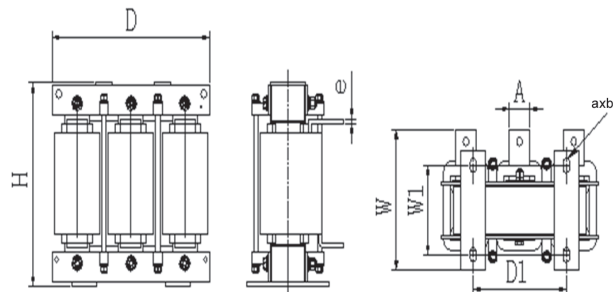
Picutre A



Picutre B



Picutre C

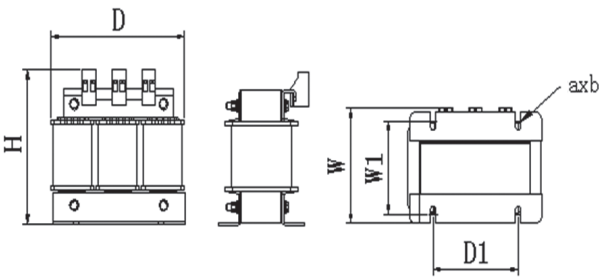


Picutre E

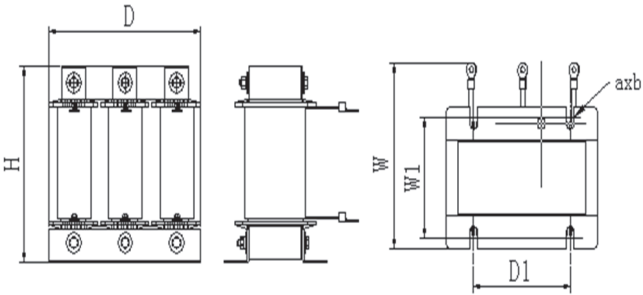
输入/输出交流电抗器
Input AC/Output AC Reactor

690V交流输出电抗器选型表 (690V Output AC Reactor Selection Table)

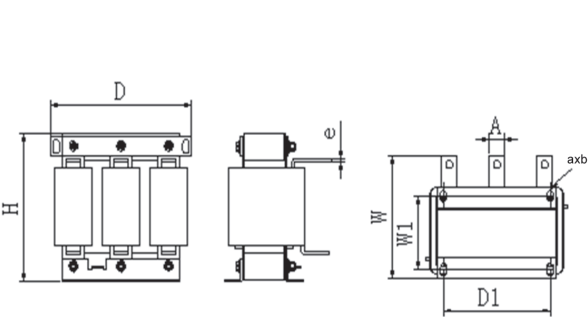
序号 №	690V 功率 Power(kW)	400V 功率 Power(kW)	额定 电流 Rated current (A)	电感 值 Inductance value (mH)	绝缘 等级 Insulation class	电抗型号 Reactor type	图号 Picture No.	产品规格 Product specifications						
								D*H*W (mm)	D1*W1 (mm)	a*b (mm)	安装孔 直径 φ(mm)	A*e (mm)	材质 Material	重量 Weight (kg)
1	3	1.5	5	2.80	F	OCL-0005-EISC-E2M8	A	155*170*110	95*61	6*15	/	/	Cu	4
2	4	2.2	7	2.00	F	OCL-0007-EISC-E2M0		155*170*110	95*61	6*15	/	/	Cu	4
3	5.5	3.7	10	1.40	F	OCL-0010-EISC-E1M4		155*170*110	95*61	6*15	/	/	Cu	4
4	7.5	5.5	15	0.93	F	OCL-0015-EISC-EM93	B	195*170*205	120*72	8.5*20	/	/	Cu	8
5	11	7.5	20	0.70	F	OCL-0020-EISC-EM70		195*170*130	120*85	8.5*20	/	/	Cu	8
6	15	11	30	0.47	F	OCL-0030-EISC-EM47		195*170*205	120*87	8.5*20	/	/	Cu	9
7	22	15	40	0.35	F	OCL-0040-EISC-EM35		195*170*205	120*107	8.5*20	/	/	Cu	12
8	30	18.5	50	0.28	F	OCL-0050-EISC-EM28		195*190*145	120*107	8.5*20	/	/	Cu	13
9	37	22	60	0.23	F	OCL-0060-EISH-EM23		195*190*150	120*107	8.5*20	/	/	Al	13
10	45	30	80	0.17	F	OCL-0080-EISH-EM17	C	195*165*240	120*102	8.5*20	/	/	Cu	14
11	55	37	90	0.17	F	OCL-0090-EISH-EM17		195*165*245	120*102	8.5*20	/	/	Cu	14
12	75	45	120	0.11	F	OCL-0120-EISH-EM11		225*225*170	162*106	11*18	8	20*5	Al	19
13	90	55	150	0.09	F	OCL-0150-EISH-EM09		295*275*200	214*110	11*18	11	25*5	Al	33
14	132	75	200	0.07	F	OCL-0200-EISH-EM07		325*270*220	243*137	12*20	11	25*5	Al	41
15	200	110	250	0.06	F	OCL-0250-EISH-E55U		295*280*205	214*115	11*18	11	25*5	Al	37
16	250	132	290	0.05	F	OCL-0290-EISH-E48U		320*320*215	243*122	12*20	12	30*5	Al	44
17	315	160	330	0.04	F	OCL-0330-EISH-E42U		325*320*210	212*102	12*29	12	30*5	Al	44
18	355	185	390	0.04	F	OCL-0390-EISH-E36U		325*310*235	243*137	12*20	12	30*5	Al	48
19	400	220	490	0.03	F	OCL-0490-EISH-E28U		385*350*255	260*175	12*20	12	50*8	Al	65
20	450	240	530	0.03	F	OCL-0530-EISH-E25U	E	385*360*251	260*175	12*20	12	50*8	Al	66
21	500	280	600	0.02	F	OCL-0600-EISH-E23U		390*360*260	275*175	12*20	12	50*8	Al	72
22	560	300	660	0.02	F	OCL-0660-EISH-E21U		390*350*256	275*175	12*20	12	50*8	Al	73
23	710	380	800	0.02	F	OCL-0800-EISH-E17U		430*450*280	295*190	12*20	12	60*10	Al	115
24	900	450	1000	0.01	F	OCL-1000-EISH-E14U		430*450*280	295*190	12*20	12	60*10	Al	115
25	1100	550	1200	0.01	F	OCL-1200-EISH-E11U		395*430*325	275*175	12*20	12	60*12	Al	105



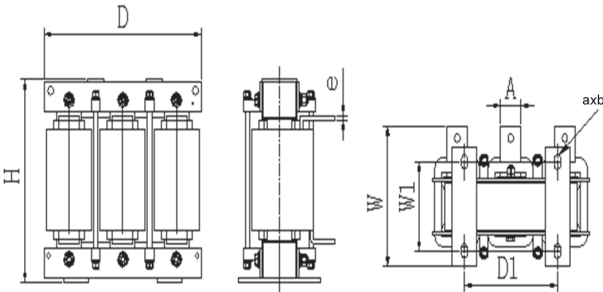
Picutre A



Picutre B



Picutre C



Picutre E