



PRODUCT DESCRIPTION

铁心电抗器选型手册

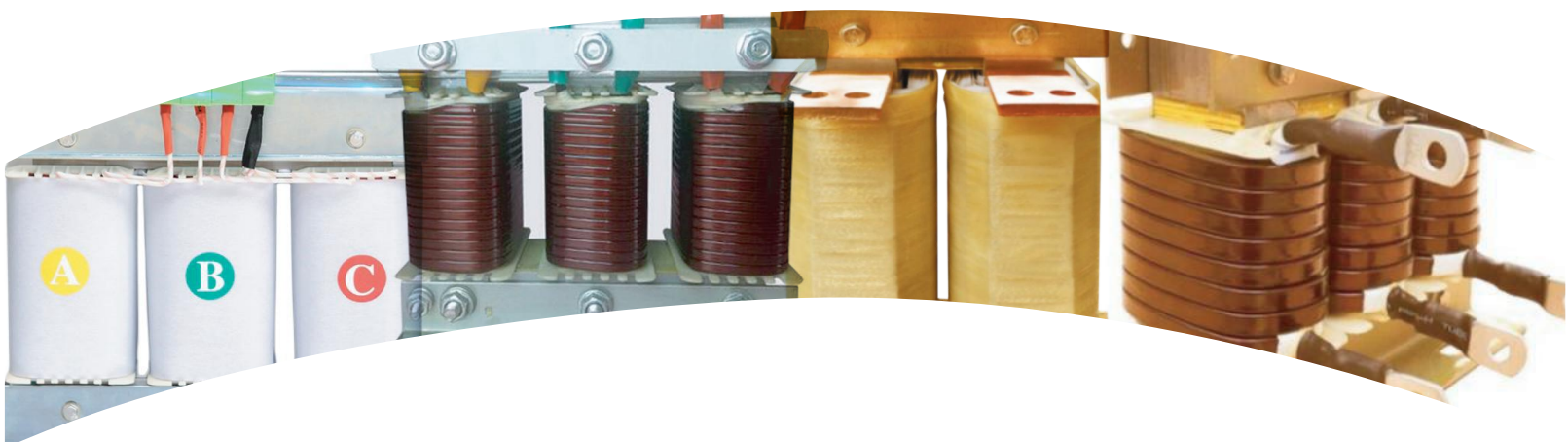


天津宇博电气设备有限公司
Tianjin Yubo Electric Equipment Co.,Ltd.

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01 直流平波电抗器

DC Smoothing Reactor

电抗器高性能、高耐温的复合绝缘材料配合无骨架工艺，电抗器耐热等级高，F级和H级可选。电抗器采用氩弧焊焊接工艺，噪音低，漏磁小，电感稳定。线圈采用箔绕工艺，耐电磁力强，工艺整洁，外观漂亮。铁心采用优质低损耗冷轧硅钢片，使电抗器可靠性高，体积小，重量轻。价格便宜。

Due to the composite insulation material of high performance & high temperature resistance and frameless process, the reactor's heat-resisting ability is strong and the insulation class F&H are both available. The process of the argon arc welding adopted by our company makes the reactors characterized by low noise, small magnetic flux leakage and stable inductance. Coiled with foil winding process, the reactors have strong resistance to electric magnetic force, and neat appearance. With the core made of low loss cold-rolled silicon steel sheets, our reactors have the advantages of high reliability, small size, light weight and low cost.



直流平波电抗器参数表 DC Smoothing Reactor Parameters

型号 Type	功率 Power (kW)	额定电流 Rated Current (A)	电感 Inductance Value (mH)	绝缘耐热等级 Insulation Class	长*宽*高 D*W*H (mm)	绕组材质 Winding Material	重量 Weight (kg)
YBDCS-3	1.1	3	25	H	90*90*90	铜Copper	1.8
YBDCS-6	2.2	6	8	H	90*90*90	铜Copper	1.8
YBDCS-12	4	12	4.5	H	90*90*90	铜Copper	2
YBDCS-23	7.5	23	2.5	H	110*130*120	铝Aluminum	4
YBDCS-33	15	33	1.65	H	110*130*120	铝Aluminum	4
YBDCS-40	18.5	40	1.2	H	120*120*145	铝Aluminum	4.5
YBDCS-50	22	50	0.95	H	120*120*145	铝Aluminum	4.5
YBDCS-60	30	65	0.68	H	125*130*160	铝Aluminum	5.5
YBDCS-78	37	78	0.6	H	125*130*160	铝Aluminum	5.5
YBDCS-95	45	95	0.48	H	125*140*165	铝Aluminum	6.5
YBDCS-115	55	115	0.36	H	125*140*165	铝Aluminum	7
YBDCS-160	75	160	0.28	H	170*205*135	铝Aluminum	11
YBDCS-180	90	180	0.24	H	170*205*135	铝Aluminum	11
YBDCS-250	132	250	0.2	H	170*210*135	铝Aluminum	12
YBDCS-340	160	340	0.15	H	215*210*205	铝Aluminum	14
YBDCS-460	220	460	0.09	H	210*200*280	铝Aluminum	23
YBDCS-650	300	650	0.07	H	210*205*355	铝Aluminum	37
YBDCS-850	400	850	0.02	H	210*205*400	铝Aluminum	42
YBDCL-1000	500	1000	0.045	H	230*205*480	铝Aluminum	57

02 380V交流输入电抗器

380V AC Input Reactor

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H级复合绝缘材料,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。铁心采用优质低损耗冷轧硅钢片,电抗器损耗小,效率高,温升低。

Input AC Reactor: Due to the high performance foil winding structure, Input AC Reactor is characterized by small DC resistance, strong resistance to short circuit and strong short-time overload capability.

Using H Class insulation composite materials, our products has shown reliable performance even in harsh operating conditions. The reactor was designed with low magnetic flux density, and is of high linearity and powerful overload capacity. Moreover, combined with VPI process, the reactor is of low noise. With the core made of superior cold rolled silicon steel sheets of low loss, the reactor boasts high efficiency, low loss and low temperature rise.



380V 交流输入电抗器参数表 380V AC Input Reactor Parameters

型号 Type	功率 Power (kW)	额定电流 Rated Current (A)	电感 Inductance Value (mH)	电抗率 Reactance Ratio	绝缘耐热等级 Insulation Class	长*宽*高 D*W*H (mm)	绕组材质 Winding Material	重量 Weight (kg)
YBACI-380-5	1.5	5	2.8	2%	H	110*95*130	铜Copper	2.4
YBACI-380-7	2.2	7	2	2%	H	110*95*130	铜Copper	2.5
YBACI-380-10	3.7	10	1.4	2%	H	110*95*130	铜Copper	2.6
YBACI-380-15	5.5	15	0.93	2%	H	125*95*135	铜Copper	3.3
YBACI-380-20	7.5	20	0.7	2%	H	125*95*135	铜Copper	3.3
YBACI-380-30	11	30	0.47	2%	H	200*116*125	铜Copper	4.9
YBACI-380-40	15	40	0.35	2%	H	200*116*125	铜Copper	4.9
YBACI-380-50	18.5	50	0.28	2%	H	200*120*160	铜Copper	5.9
YBACI-380-60	22	60	0.24	2%	H	200*120*160	铜Copper	5.9
YBACI-380-90	30-37	90	0.16	2%	H	200*120*160	铜Copper	6.9
YBACI-380-120	45	120	0.12	2%	H	200*120*160	铜Copper	10
YBACI-380-150	55	150	0.095	2%	H	195*160*210	铝Aluminum	14
YBACI-380-200	75	200	0.07	2%	H	195*170*220	铝Aluminum	16
YBACI-380-250	90-110	250	0.056	2%	H	250*170*230	铝Aluminum	18
YBACI-380-290	132	290	0.048	2%	H	250*180*230	铝Aluminum	21
YBACI-380-330	160	330	0.042	2%	H	250*190*235	铝Aluminum	22
YBACI-380-390	185	390	0.036	2%	H	290*185*250	铝Aluminum	25
YBACI-380-490	220	490	0.028	2%	H	300*205*280	铝Aluminum	33
YBACI-380-530	250	530	0.026	2%	H	300*205*280	铝Aluminum	42
YBACI-380-600	280	600	0.023	2%	H	300*230*280	铝Aluminum	42
YBACI-380-660	300	660	0.021	2%	H	300*230*280	铝Aluminum	45
YBACI-380-800	380	800	0.017	2%	H	330*235*350	铝Aluminum	55
YBACI-380-1000	450	1000	0.014	2%	H	330*250*385	铝Aluminum	66
YBACI-380-1250	550	1250	0.011	2%	H	330*275*425	铝Aluminum	76
YBACI-380-1600	630	1600	0.0087	2%	H	395*330*430	铝Aluminum	113

03 690V交流输入电抗器

690V AC Input Reactor

690V交流输入电抗器参数表 690V AC Input Reactor Parameters

型号 Type	690V 功率 Power (kW)	400V 功率 Power (kW)	额定电流 Rate Current (A)	电感 Inductance Value (mH)	电抗率 Reactance Ratio (%)	绝缘耐热等级 Insulation Class	长*宽*高 D*W*H (mm)	绕组材质 Winding Material	重量 Weight (kg)
YBACI-690-5	3	1.5	5	5.6	2%	H	155*110*155	铜Copper	3
YBACI-690-7	4	2.2	7	3.5	2%	H	155*110*175	铜Copper	4
YBACI-690-10	5.5	3.7	10	2.8	2%	H	155*110*175	铝Aluminum	5.6
YBACI-690-15	7.5	3.7	15	1.9	2%	H	195*125*165	铝Aluminum	9
YBACI-690-20	11	5.5	20	1.4	2%	H	195*170*165	铝Aluminum	9.5
YBACI-690-30	15	7.5	30	0.93	2%	H	195*170*165	铝Aluminum	11
YBACI-690-40	22	11	40	0.7	2%	H	195*155*185	铝Aluminum	11
YBACI-690-50	30	15	50	0.56	2%	H	195*170*190	铝Aluminum	13
YBACI-690-60	37	22	60	0.47	2%	H	250*180*225	铝Aluminum	13
YBACI-690-80	45	30	80	0.35	2%	H	250*180*230	铝Aluminum	17
YBACI-690-90	55	37	90	0.31	2%	H	250*180*240	铝Aluminum	23
YBACI-690-120	75	45	120	0.23	2%	H	250*180*240	铝Aluminum	23
YBACI-690-150	90	55	150	0.19	2%	H	290*180*240	铝Aluminum	29
YBACI-690-200	132	75	200	0.14	2%	H	290*195*240	铝Aluminum	39
YBACI-690-250	200	110	250	0.11	2%	H	290*215*240	铝Aluminum	40
YBACI-690-330	315	160	330	0.085	2%	H	320*235*285	铝Aluminum	53
YBACI-690-390	355	185	390	0.072	2%	H	320*245*315	铝Aluminum	58
YBACI-690-490	400	220	490	0.057	2%	H	320*245*315	铝Aluminum	66
YBACI-690-600	500	280	600	0.047	2%	H	370*255*320	铝Aluminum	80
YBACI-690-660	560	300	660	0.042	2%	H	370*265*355	铝Aluminum	88
YBACI-690-800	710	380	800	0.035	2%	H	370*290*355	铝Aluminum	96
YBACL-690-1000	900	450	1000	0.028	2%	H	385*310*410	铝Aluminum	115
YBACL-690-1250	1100	550	1250	0.022	2%	H	385*350*430	铝Aluminum	135
YBACL-690-1600	1400	630	1600	0.018	2%	H	410*360*530	铝Aluminum	186

04 380V交流输出电抗器

380V AC Output Reactor

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H级复合绝缘材料，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 ability to withstand short circuit and strong short-time overload capability. This reactor is made of H Class insulation materials which gives 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.



380V交流输出电抗器参数表 380V AC Output Reactor Parameters

型号 Type	功率 Power (kW)	额定电流 Rated Current (A)	电感 Inductance Value (mH)	电抗率 Reactance Ratio	绝缘耐热等级 Insulation Class	长*宽*高 D*W*H (mm)	绕组材质 Winding Material	重量 Weight (kg)
YBACO-380-5	1.5	5	1.4	1%	H	110*95*130	铜Copper	2.4
YBACO-380-7	2.2	7	1	1%	H	110*95*130	铜Copper	2.4
YBACO-380-10	3.7	10	0.7	1%	H	110*95*130	铜Copper	2.4
YBACO-380-15	5.5	15	0.47	1%	H	155*95*140	铜Copper	3
YBACO-380-20	7.5	20	0.35	1%	H	155*95*140	铜Copper	3.8
YBACO-380-30	11	30	0.23	1%	H	200*116*130	铜Copper	4.6
YBACO-380-40	15	40	0.18	1%	H	200*116*130	铜Copper	4.8
YBACO-380-50	18.5	50	0.14	1%	H	200*116*130	铜Copper	5
YBACO-380-60	22	60	0.12	1%	H	200*116*130	铜Copper	5.1
YBACO-380-80	30	80	0.087	1%	H	200*130*160	铜Copper	6
YBACO-380-90	37	90	0.078	1%	H	200*130*160	铜Copper	6
YBACO-380-120	45	120	0.058	1%	H	200*160*160	铜Copper	9
YBACO-380-150	55	150	0.047	1%	H	195*155*210	铝Aluminum	10
YBACO-380-200	75	200	0.035	1%	H	195*165*210	铝Aluminum	12
YBACO-380-250	90~110	250	0.028	1%	H	195*165*210	铝Aluminum	12
YBACO-380-290	132	290	0.024	1%	H	260*170*240	铝Aluminum	20
YBACO-380-330	160	330	0.021	1%	H	260*170*240	铝Aluminum	20
YBACO-380-390	185	390	0.018	1%	H	260*170*300	铝Aluminum	20
YBACO-380-490	220	490	0.014	1%	H	300*190*300	铝Aluminum	28
YBACO-380-530	250	530	0.013	1%	H	300*190*300	铝Aluminum	29
YBACO-380-600	280	600	0.012	1%	H	300*210*300	铝Aluminum	33
YBACO-380-660	300	660	0.011	1%	H	300*210*315	铝Aluminum	38
YBACO-380-800	380	800	0.0087	1%	H	330*210*315	铝Aluminum	38
YBACO-380-1000	450	1000	0.007	1%	H	330*215*350	铝Aluminum	40
YBACO-380-1250	550	1250	0.0058	1%	H	330*235*395	铝Aluminum	56
YBACO-380-1600	630	1600	0.0043	1%	H	395*330*430	铝Aluminum	92

05 690V交流输出电抗器

690V AC Output Reactor

690V交流输出电抗器参数表 690V AC Output Reactor Parameters

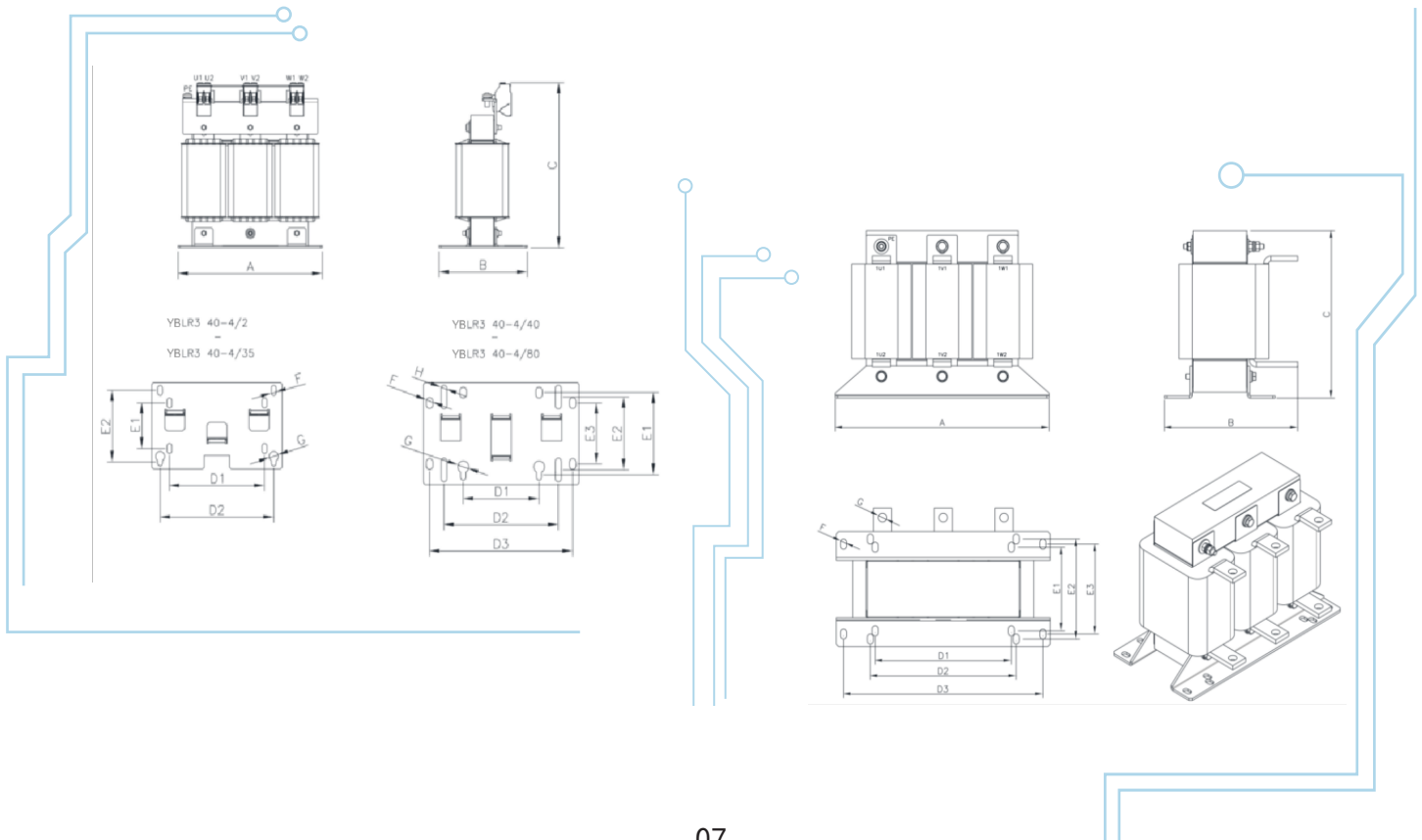
型号 Type	690V 功率 Power (kW)	400V 功率 Power (kW)	额定电流 Rate Current (A)	电感 Inductance Value (mH)	电抗率 Reactance Ratio (%)	绝缘耐热等级 Insulation Class	长*宽*高 D*W*H (mm)	绕组材质 Winding Material	重量 Weight (kg)
YBACO-690-5	3	1.5	5	2.8	1%	H	155*110*170	铜Copper	4
YBACO-690-7	4	2.2	7	2	1%	H	155*110*170	铜Copper	4
YBACO-690-10	5.5	3.7	10	1.4	1%	H	155*110*170	铜Copper	4
YBACO-690-15	7.5	5.5	15	0.93	1%	H	195*125*170	铜Copper	8
YBACO-690-20	11	7.5	20	0.7	1%	H	195*160*170	铝Aluminum	8
YBACO-690-30	15	11	30	0.47	1%	H	195*160*170	铝Aluminum	9
YBACO-690-40	22	15	40	0.35	1%	H	195*160*170	铝Aluminum	12
YBACO-690-50	30	18.5	50	0.28	1%	H	195*170*190	铝Aluminum	13
YBACO-690-60	37	22	60	0.23	1%	H	195*170*195	铝Aluminum	13
YBACO-690-80	45	30	80	0.17	1%	H	225*170*225	铝Aluminum	14
YBACO-690-90	55	37	90	0.17	1%	H	250*180*240	铝Aluminum	14
YBACO-690-120	75	45	120	0.11	1%	H	250*180*240	铝Aluminum	23
YBACO-690-150	90	55	150	0.09	1%	H	290*180*240	铝Aluminum	29
YBACO-690-200	132	75	200	0.07	1%	H	290*195*240	铝Aluminum	39
YBACO-690-250	200	110	250	0.055	1%	H	290*215*240	铝Aluminum	40
YBACO-690-330	315	160	330	0.042	1%	H	320*235*285	铝Aluminum	53
YBACO-690-390	355	185	390	0.036	1%	H	320*245*315	铝Aluminum	58
YBACO-690-490	400	220	490	0.028	1%	H	320*245*315	铝Aluminum	66
YBACO-690-600	500	280	600	0.023	1%	H	370*255*320	铝Aluminum	80
YBACO-690-660	560	300	660	0.021	1%	H	370*265*355	铝Aluminum	88
YBACO-690-800	710	380	800	0.017	1%	H	370*290*355	铝Aluminum	96
YBACO-690-1000	900	450	1000	0.014	1%	H	385*310*410	铝Aluminum	115
YBACO-690-1250	1100	550	1250	0.011	1%	H	385*350*430	铝Aluminum	135
YBACO-690-1600	1250	630	1600	0.008	1%	H	410*360*530	铝Aluminum	186

06 线路电抗器

Line Reactor

线路电抗器 YBLR690 Line Reactor

相数 Phase : 3	防护等级 Ingress Protection : IP00	绝缘等级 Insulation Grade : H级
保护等级 Protection Class : III0	测试电压 Test Voltage : 4.0KV 2S	冷却类型 Cooling Method : AN
额定电压 Rated Voltage : 690 AC(V) (UL=max , 600V)	环境温度 Ambient Temperature : -10~40℃	运行模式 Operating Conditions : DB
额定频率 Rated Frequency : 50-60(HZ)	存储温度 Storage Temperature : -25~70℃	并行连接 Parallel Connection : 是 Yes (90%单负载)(90% Single load)
短路电压 Short-circuit Voltage : 4%@400V	运输温度 Transport Temperature : -40~85℃	过电压类别 Over Voltage Class : 3 > 2000m = 2
电压降 Voltage Drop : 9.2V @50HZ 11.0V @60HZ	过载能力 Overload Capability : 1.5 倍额定电流, 持续 1 分钟, 每小时一次 1.5 times rated current for 1 minute per hour	抗震性 Vibration Resistance : 运输 Transport 2M2
	湿度 Humidity : 3K3 (无结露, 平均相对湿度85%) (Without condensation, medium relative humidity 85%)	污染程度 Degree of Pollution : 2
L 偏差 L Tolerance : ±10%	易燃等级 Class of Flammability : UL 94V-2 or better	平均无故障工作时间 MTBF: > 500@45℃/400V



线路电抗器尺寸表 YBLR690 Line Reactor Size Chart

		A (mm)	B (mm)	C (mm)	D1×E1 (mm)	D2×E2 (mm)	D3×E3 (mm)	F (ø)	G (ø)	H (ø)
YBLR690-2	1	74	56	100	50×35	65×40	—	4.8	—	—
YBLR690-4	1	95	70	116	56×47	71×54	—	4.8	—	—
YBLR690-6	1	95	70	116	56×47	71×54	—	4.8	—	—
YBLR690-8	1	120	85	137	90×39	105×68	—	4.8	10	—
YBLR690-10	1	120	85	137	90×39	105×80	—	4.8	10	—
YBLR690-16	1	120	95	137	90×49	105×68	—	4.8	10	—
YBLR690-20	1	150	95	162	113×50	135×77.5	—	5.8	11	—
YBLR690-25	1	155	110	167	113×65	135×92.5	—	5.8	11	—
YBLR690-30	1	155	110	167	113×65	135×92.5	—	5.8	11	—
YBLR690-35	1	155	110	167	113×65	135×92.5	—	5.8	11	—
YBLR690-40	1	185	102	196	90×81	136×70	170×57	8	13	7
YBLR690-45	1	185	112	196	90×91	136×80	170×67	8	13	7
YBLR690-50	1	185	112	206	90×91	136×80	170×67	8	13	7
YBLR690-63	1	185	122	206	90×101	136×90	170×77	8	13	7
YBLR690-70	1	210	117	240	105×96	156×85	175×77	8	13	7
YBLR690-80	1	210	125	240	105×104	156×93	175×85	8	13	7
YBLR690-90	2	267	128	201	176×67	180×97.5	249×78.5	7	8.5	—
YBLR690-100	2	267	152	206	176×94.5	180×121.5	249×102.5	7	8.5	—
YBLR690-115	2	291	158	212	—	185×106.5	273×106.5	10	10.5	—
YBLR690-125	2	291	158	212	—	185×106.5	273×106.5	10	10.5	—
YBLR690-160	2	291	167	212	—	185×116.5	273×116.5	10	10.5	—
YBLR690-180	2	291	172	212	—	185×120.5	273×120.5	10	10.5	—
YBLR690-200	2	352	161	264	224×93.5	240×119.5	328×103.5	10	13	—
YBLR690-250	2	352	175	266	224×108	240×134	328×118	10	13	—
YBLR690-300	2	352	205	266	224×117.5	240×143.5	328×127.5	10	14	—
YBLR690-400	2	352	220	266	224×132.5	240×158.5	328×142.5	10	14	—
YBLR690-500	2	352	232	266	224×145	240×171	328×155	10	14	—
YBLR690-630	2	412	220	318	264×157.5	310×157.5	388×147.5	10	14	—
YBLR690-710	2	480	225	372.5	316×144.5	370×152.5	450×134.5	10	16.5	—
YBLR690-800	2	480	240	372.5	316×159.5	370×167.5	450×149.5	10	16.5	—
YBLR690-1000	2	480	285	375	315×204.5	370×212.5	450×194.5	10	16.5	—
YBLR690-1200	2	552	328	421	356×185.5	430×221.5	516×183.5	14	4×13	—
YBLR690-1400	2	552	362	420	356×210	430×241.5	516×213.5	14	4×13	—
YBLR690-1600	2	552	378	416	356×230	430×261.5	516×233.5	14	4×13	—

线路电抗器参数表 YBLR690 Line Reactor Parameters

型号 Type	额定电流 Rate Current (A)	线性峰值电流 Linear Peak Current	电感 Inductance Value (mH)	绕组电阻 Winding Resistance (mOhm)	功率损耗 Power Loss (W)
YBLR690-2	2	3	14.7	780	5.8
YBLR690-4	4	6	7.35	280	11.5
YBLR690-6	6	9	4.90	172	17.3
YBLR690-8	8	12	3.68	84	23.0
YBLR690-10	10	15	2.98	63	28.8
YBLR690-16	16	24	1.84	44	46.1
YBLR690-20	20	30	1.47	19.1	57.6
YBLR690-25	25	37.5	1.18	12.9	72.0
YBLR690-30	30	45.0	0.98	8.4	86.4
YBLR690-35	35	52.5	0.84	9.5	100.8
YBLR690-40	40	60.0	0.74	9.3	115.2
YBLR690-45	45	67.5	0.65	6.6	129.6
YBLR690-50	50	75.0	0.59	6.5	144.0
YBLR690-63	63	94.5	0.47	5.9	181.4
YBLR690-70	70	105	0.42	5.6	201.6
YBLR690-80	80	120	0.37	2.7	230.4
YBLR690-90	90	135	0.33	1.89	259.2
YBLR690-100	100	150	0.30	1.52	288.0
YBLR690-115	115	172.5	0.26	1.43	331.2
YBLR690-125	125	180	0.24	1.35	360.0
YBLR690-160	160	240	0.19	0.83	460.8
YBLR690-180	180	270	0.17	0.65	518.4
YBLR690-200	200	300	0.15	0.61	576.0
YBLR690-250	250	375	0.12	0.52	720.0
YBLR690-300	300	450	0.098	0.40	864.0
YBLR690-400	400	600	0.074	0.27	1152.0
YBLR690-500	500	750	0.059	0.19	1440.0
YBLR690-630	630	945	0.047	0.15	1814.4
YBLR690-710	710	1065	0.042	0.11	2044.8
YBLR690-800	800	1200	0.037	0.09	2304.0
YBLR690-1000	1000	1500	0.030	0.087	2880.0
YBLR690-1200	1200	1800	0.025	0.078	3456.0
YBLR690-1400	1400	2100	0.021	0.065	4032.0
YBLR690-1600	1600	2400	0.019	0.055	4608.0

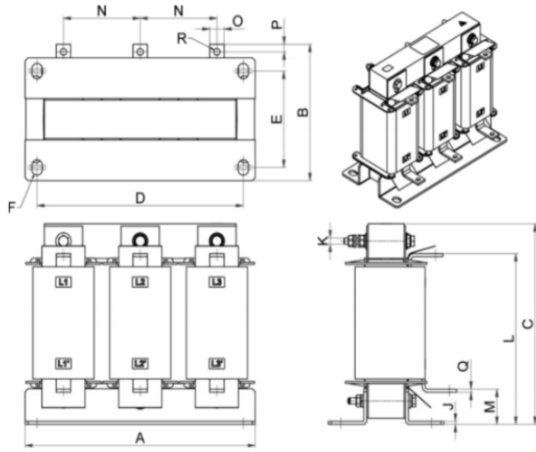
线路电抗器参数表 YBLR690 Line Reactor Parameters

型号 Type	连接/端子 Terminals			扭矩 Torque			重量 Weight (kg)	绕组材质 Winding Material
	螺栓接线端子 Screw Terminal (mm ²)	螺栓连接 Copper Connection (mm)	PE接线端子 PE Terminal	螺栓接线端子 Screw Terminal (Nm)	螺栓连接 Copper Connection (Nm)	PE接线端子 PE Terminal (Nm)		
YBLR690-2	4.0	—	6.3×0.8	0.5-1.0	—	—	0.53	铜Copper
YBLR690-4	4.0	—	6.3×0.8	0.5-1.0	—	—	1.31	铜Copper
YBLR690-6	4.0	—	6.3×0.8	0.5-1.0	—	—	1.45	铜Copper
YBLR690-8	4.0	—	M5	0.5-1.0	—	3	1.9	铜Copper
YBLR690-10	4.0	—	M5	0.5-1.0	—	3	2	铜Copper
YBLR690-16	4.0	—	M5	0.5-1.0	—	3	2.7	铜Copper
YBLR690-20	4.0	—	M5	0.5-1.0	—	3	3.8	铜Copper
YBLR690-25	10.0	—	M5	1.2-2.0	—	3	5.8	铜Copper
YBLR690-30	10.0	—	M5	1.2-2.0	—	3	5.85	铜Copper
YBLR690-35	10.0	—	M5	1.2-2.0	—	3	5.95	铜Copper
YBLR690-40	10.0	—	M5	1.2-2.0	—	3	5.95	铜Copper
YBLR690-45	10.0	—	M5	1.2-2.0	—	3	8.25	铜Copper
YBLR690-50	16.0	—	M5	2.0-4.0	—	3	8.35	铜Copper
YBLR690-63	16.0	—	M5	2.0-4.0	—	3	9.65	铜Copper
YBLR690-70	35.0	—	M5	2.0-5.0	—	3	10.8	铜Copper
YBLR690-80	35.0	—	M5	2.0-5.0	—	3	12.5	铜Copper
YBLR690-90	—	20×4	M8	—	30	12	16	铜Copper
YBLR690-100	—	20×4	M8	—	30	12	20	铜Copper
YBLR690-115	—	20×4	M8	—	30	12	21	铜Copper
YBLR690-125	—	20×4	M8	—	30	12	22	铜Copper
YBLR690-160	—	20×4	M8	—	30	12	25.5	铜Copper
YBLR690-180	—	20×4	M8	—	30	12	28	铜Copper
YBLR690-200	—	30×5	M8	—	30	12	32	铜Copper
YBLR690-250	—	30×5	M8	—	60	12	41	铜Copper
YBLR690-300	—	30×8	M8	—	60	12	48	铜Copper
YBLR690-400	—	30×8	M8	—	60	12	56	铜Copper
YBLR690-500	—	30×8	M8	—	60	12	62	铜Copper
YBLR690-630	—	30×8	M8	—	60	12	75.5	铜Copper
YBLR690-710	—	50×6	M8	—	120	12	102	铜Copper
YBLR690-800	—	50×8	M8	—	120	12	115	铜Copper
YBLR690-1000	—	50×8	M16	—	120	60	145	铜Copper
YBLR690-1200	—	70×12	M16	—	60	60	180.5	铜Copper
YBLR690-1400	—	70×12	M16	—	60	60	207.9	铜Copper
YBLR690-1600	—	70×12	M16	—	60	60	306.6	铜Copper

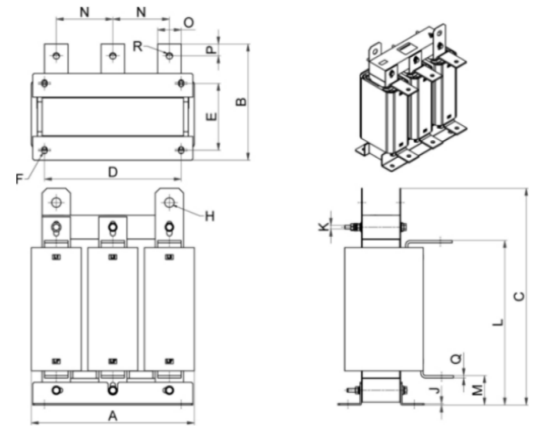
07 线路电抗器

Line Reactor

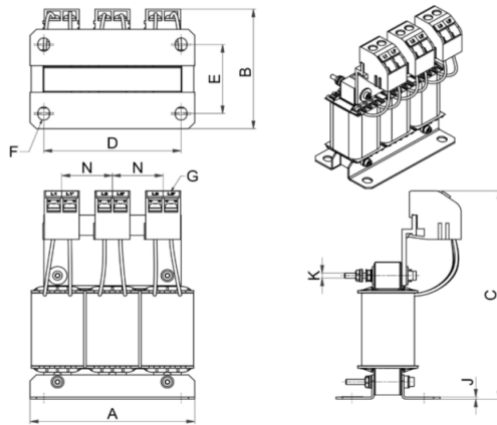
72 至 180A



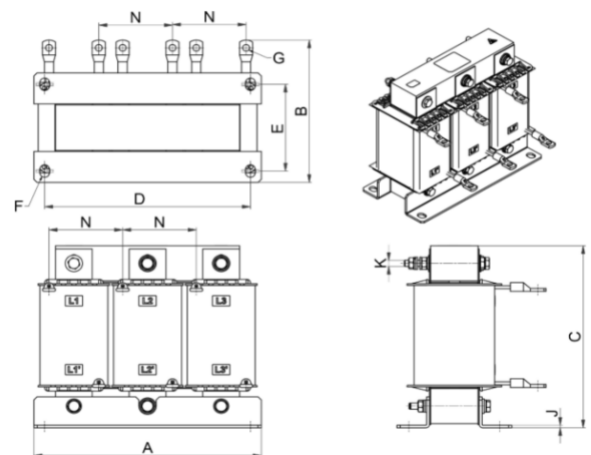
210 至 1000A



2 至 24A



30 至 59A



线路电抗器尺寸表 YBLR340 Line Reactor Size Chart

YBLR340-	A	B±5	C±3	D	E	F	G	H	J	K	L±5	M±5	N±5	O	P	Q	R
2	78	59	103.1	65	34.2	6.5x5.5	-88		1	M2.5			24±1				
3.5	96	62.5	117.9	77	37.5	6.5x5.5	-88		1.5	M3			31±1				
6.5	125	69	136.1	110	44.8	8x5.5	-88		2	M3			41.5±1				
9	125	69	136.8	110	44.8	8x5.5	-88		2	M3			41.5±1				
12	125	78.5	136.4	110	54.5	8x5.5	-88		2	M3			41.5±1				
18	155	79	159.7	130	56.1	12x9	-89		2.5	M4			50±1				
24	155	94	159	130	71	12x9	-89		2.5	M4			50±1				
30	155	128	132	130	71	12x9	ø6.4		2.5	M4			50±4				
35	155	128	132.7	130	71	12x9	ø6.4		2.5	M4			50±4				
48	190	140	156.6	170	77.5	12x9	ø6.4		2.5	M6			60±4				
59	210	143	176	190	84	12x9	ø6.4		2.5	M6			68±4				
72	230	122.7	191	210	77.5	12x9			2.5	M6	163	30	76±4	15	7.5	3	ø6.6
88	240	133.9	196.7	215	94.5	15x11			3	M6	167.5	34.5	80±4	15	7.5	3	ø6.6
120	240	152.3	196.7	215	104.5	15x11			3	M6	168.5	34.5	80±4	20	10	4	ø9
140	265	148.9	217.5	240	99.7	15x11			3	M8	183	39	88±4	20	10	4	ø9
180	291	171.1	235	260	117.5	15x11			3	M8	198.5	39.5	96±4	25	12.5	4	ø11
210	290	189.4	234.2	260	131	15x11		不适用	3	M8	201.7	42.7	96	25	12.5	4	ø11
260	290	194.6	287.2	260	136	15x11		ø20	3	M8	206.2	42.2	100	25	12.5	4	ø11
320	340	198.9	333.5	290	121	15x11		ø20	3	M8	237.5	52.5	112	30	15	5	ø11
400	360	190.4	422.2	310	121	15x11		ø20	3	M8	297	62	125	30	15	5	ø11
510	360	203.7	422.6	310	121	15x11		ø20	3	M8	297	62	125	40	20	5	ø13.5
570	346±5	244	457	290	141	15x11		ø20	3	M8	347	62	120	50	25	5	ø13.5
640	347±5	244.8	457	290	141	15x11		ø20	3	M8	347	62	120	50	25	5	ø13.5
800	365+5	296.3	474	310	185	15x11		ø20	3	M8	373.5	55.5	130	50	25	8	ø13.5
1000	376±5	309	474	310	185	15x11		ø20	3	M8	379	61	130	50	25	8	ø13.5

线路电抗参数表 YBLR340 Line Reactor Parameters

相数 Phase : 3			过电压类别 Over Voltage Class : OV			接地系统 Grounding System : TN,TT,IT				
标准工作电压 Standard Operating Voltage : 3x 380~480 VAC			防护等级 Ingress Protection : IP00			高电位测试 电压High P otential Te st Voltage	P-> P3030 VAC, 1 s			
额定工作电压 Rated Operating Voltage : 3x 340~530 VAC			冷却类型Cooling Method : AN				P-> P3030 VAC, 1 s			
额定电流 Rated Current : 1.76~1010 A @ 45			绝缘等级 Insulation Grade : UL 电气绝缘系统SCH-200(N)			环境温度 Ambient Tempera -ture	-40 °C~45 完全运行 fully operation			
阻抗 Impedance (UK) : 4% @ 400 V、50 Hz 和 额定有效值电流 and rated current			易燃等级 Class of Flammability : UL 94V-0				45 °C~100 °C 降额运行 derated operation			
过载能力 Overload Capacity : 1.6 倍额定电流, 持续1 分钟, 每小时一次 1.6 times rated current for 1 min, once per hour			寿命 Lifespan : 20年 years				-40 °C~100 °C 运输和储存 transport & storage			
4% 用于 400 V 电网的三相线路电抗器			减少电源侧的谐波, 减少换向缺口, 限制浪涌电流, 可靠而经济的解决方案, 用于减轻市电干扰。 Reduction of power side harmonics & communication notches. Limit inrush current. Reliable and economical solution to alleviate interference to power supply.							
型号 Type	额定电流 @ 45°C Rated Current @ 45°C (A)	额定功率@ 400V Rated Power @ 400V (kW)	额定功率@ 480V Rated Power @ 480V		满载电流 Screw Terminal (A)	电感值 Inductance Value (mH)	典型功率损耗 Typical Power Loss (W)	接线端 Terminal	重量 Weight	
			(kW)	(HP)					(kg)	(lbs)
YBLR340-2	1.76	1.1	1.1/15	1.5	3	16.7	23	88	0.49	2.1
YBLR340-3.5	3.53	2.2	2.2/3	3	5.5	8.3	32	88	0.89	2
YBLR340-6.5	6.42	4	4/5.5	5	10	4.6	47	88	1.2	2.6
YBLR340-9	8.82	5.5	5.5/7.5	7.5	13	3.3	61	88	1.7	3.7
YBLR340-12	12.0	7.5	7.5/11	10	16	2.44	69	88	2.4	5.3
YBLR340-18	17.6	11	11/15	15	24	1.67	103	89	3.4	7.5
YBLR340-24	24.1	15	19	25	32	1.22	106	89	4.9	10.8
YBLR340-30	29.7	18.5	22	30	38	0.99	124	92	5.1	11.2
YBLR340-35	35.3	22	30	40	45	0.83	151	92	5.4	11.9
YBLR340-48	48.1	30	37	50	60	0.61	172	92	8.8	19.4
YBLR340-59	59.3	37	45	60	75	0.50	206	92	10.2	22.5
YBLR340-72	72.2	45	55	75	90	0.41	294	99	10.3	22.7
YBLR340-88	88.2	55	55/75	100	110	0.33	257	99	11.4	25.1
YBLR340-120	120	75	90	125	150	0.24	324	99	13.8	30.4
YBLR340-140	144	90	110	150	180	0.20	399	99	15.7	34.6
YBLR340-180	176	110	132	175	210	0.17	456	99	20.0	44.1
YBLR340-210	212	132	160	200	260	0.14	553	99	24.5	54
YBLR340-260	257	160	200	250	320	0.11	593	99	27.5	60.6
YBLR340-320	321	200	250	300-325	400	0.092	747	99	34.5	76.1
YBLR340-400	401	250	315	400-425	530	0.073	1055	99	45.5	100.3
YBLR340-510	505	315	355	450-475	555	0.058	1069	99	49.5	109.1
YBLR340-570	569	355	400	500-525	750	0.052	1181	99	67.5	148.8
YBLR340-640	642	400	450	600	900	0.046	1116	99	68.5	151
YBLR340-800	802	500	550/630	700-800	935	0.037	1280	99	103	227.1
YBLR340-1000	1010	630	750	900-1000	1120	0.029	1167	99	110	2425



天津宇博电气设备有限公司

Tianjin Yubo Electric Equipment Co.,Ltd.

电话/Tel: +86 22 2857 2586

邮箱/E-mail: yuboelectric@yubo-electric.com

网址/Web: www.yuboelectric.com

地址: 天津市津南区津南经济开发区(西区)旺港路12号A区

Tel: +86 22 2857 2586

E-mail: yuboelectric@yubo-electric.com

Web: www.yuboelectric.com

Address: Area A, No.12, Wanggang Road, Jinnan Economic Development Zone(West), Jinnan District 300350, Tianjin City China

WELCOME TO COOPERATION

