

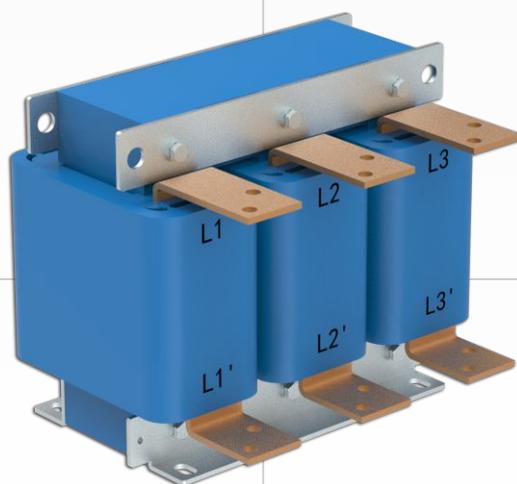
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station etc.

## 380V uK4% Line Reactors and Load Reactors

Whole product portfolios of power quality can be offered.



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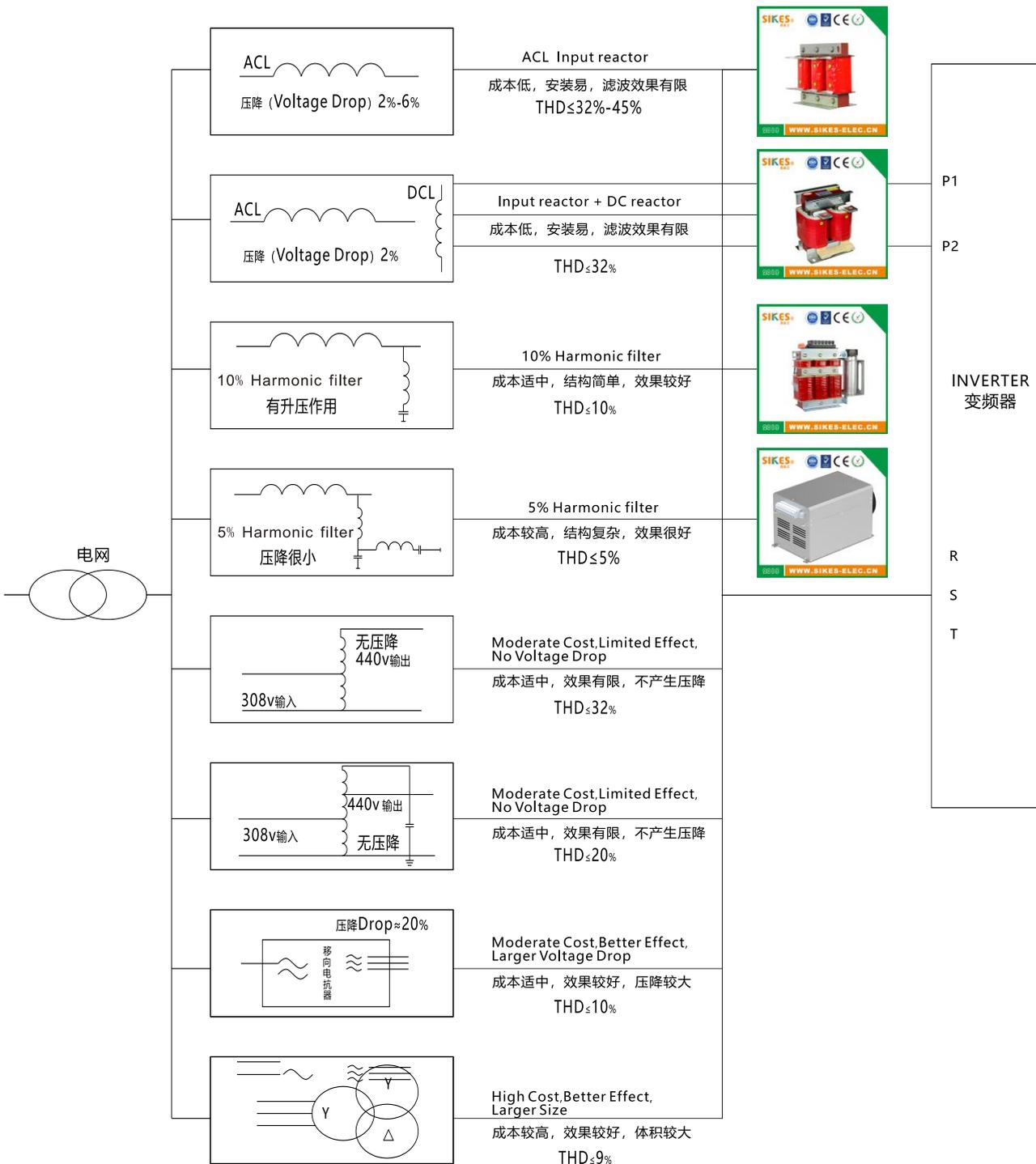


GUANGDONG SIKES Electric Co.,Ltd.

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18 YEARS OF  
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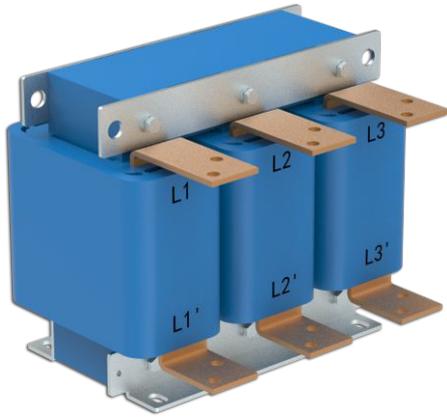
# AC Input Reactor (Choke) 交流输入电抗器

Harmonic solution for the input side of frequency inverter 变频输入端解决方案



# 380V AC Input Reactor (uK 4%) 交流输入电抗器380V4%

交流输入电抗器  
AC Input Reactor (Choke)



## Product Profile 产品简述

In application at AC drive input side to suppress inrush voltage. Reduce inrush & peak current; Improve the real power factor, restrain the grid harmonics and Improve the input current waveform.

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。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。

## Product Features 产品特点

Excellent property due to foil winding structure, small DC resistance. the resistance to electromagnetic force ability is strong, good overload ability in short time; F class insulation materials, so that products can maintain reliable performance capacity. Moreover, combined with VPI process, the reactor noise is low; Core with grain-oriented cold rolled silicon steel in harsh working conditions; Designed with low magnetic flux density, the reactors of high linearit, powerful overload sheets, the reactor boasts high efficiency, low temperature rise and low loss.

采用了高性能的箔式绕组结构，具有电流电阻小，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的噪音小；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。

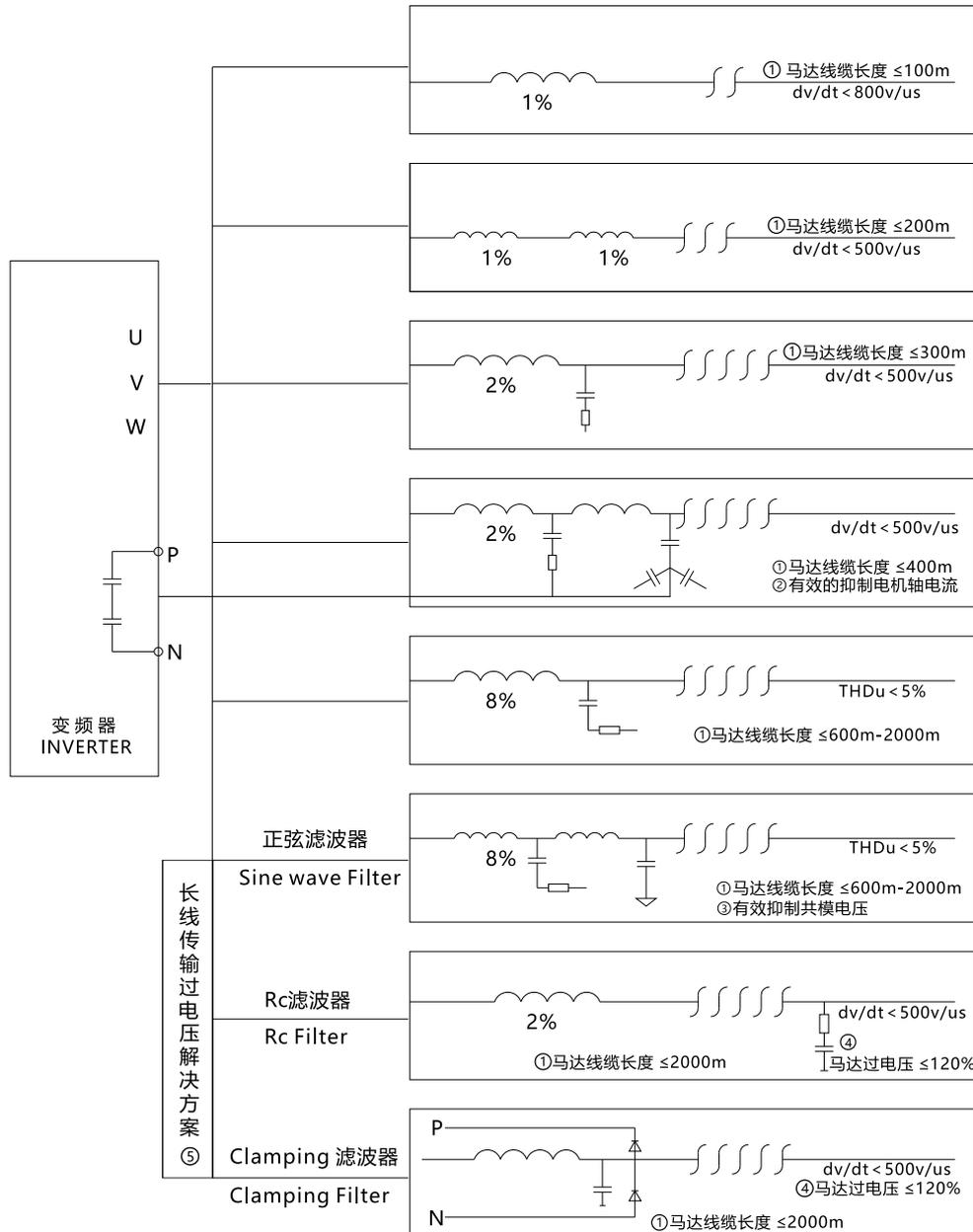
## Product Parameters 产品参数

Rated Operating Voltage	380-400V
Operating Frequency	50/60Hz
Current Range	5A to 1600A
Operation Ambient Temperature	-25°C ~ 50°C
Dielectric Strength	Core-Winding, AC 3000V/50Hz/5mA in 60s free of damage(test in factory)
Insulation Resistance	Core-Winding, DC 1000V, Resistance >100M ohm
Reactor's noise	less than 65dB(to be measured at the point 1 meter away from the reactor horizontally)
Protection class	IP00
Insulation class	F/H
Standard	GB 19212.1-2008 GB/T 1094.6-2011

额定工作电压	380-400V
工作频率	50/60Hz
额定工作电流	5A 至 1600A
工作环境温度	-25°C ~ 50°C
抗电强度	铁芯-绕组 AC 3000V/50Hz/5mA, 60秒无飞弧击穿(工厂测试)
绝缘电阻	绕组在DC 1000V测试条件下, 绝缘阻值 ≥ 100MΩ
电抗器噪音	<65dB (与电抗器水平距离1米测试)
防护等级	IP00
绝缘等级	F级/H级
产品执行标准	GB 19212.1-2008 GB/T1094.6-2011

# AC Output Reactor 交流输出电抗器

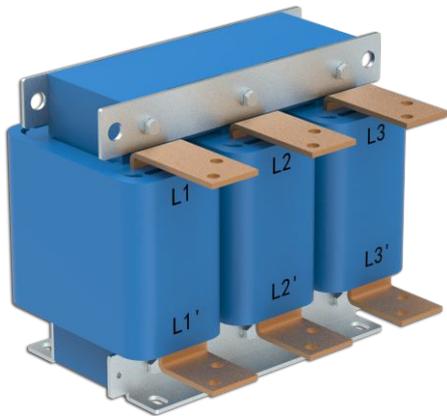
## Harmonic solution for the output side of frequency inverter 变频输出端解决方案



- ① The Length of motor Cable 马达线缆长度
- ② Effectively Restrain the Current of the Motor Shaft 有效的抑制电机轴电流
- ③ Effectively Restrain the Common-mode Voltage 有效抑制共模电压
- ④ Overvoltage of the Motor 马达过电压
- ⑤ Solution for Overvoltage of Long-term Transmission 长线传输过电压解决方案

# 380V AC Output reactor (uK 4%) 交流输出电抗器380V4%

交流输出电抗器  
AC Output Reactor(Choke)



## Product Profile 产品简述

Smoothing circuit, efficient from IGBT motor drives, so as to extending service life of electric motors. Reduce motor noise and eddy loss. Reduce the leakage current resulted from the output of high harmonic. Protect the electronic power switch within the inverters.

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。

## Product Features 产品特点

Rated Operating Voltage	380V-400V
Operating Frequency	0~120Hz(Higher than 120Hz Need customization)
Current Range	5A to 1600A
Operation Ambient Temperature	-25°C ~ 50°C
Dielectric Strength	Core-Winding, AC 3000V/50Hz/5mA in 60s free of damage(test in factory)
Insulation Resistance	Core-Winding, DC 1000V, Resistance >100M ohm
Reactor's noise	less than 70dB(to be measured at the point 1 meter distance from the reactor horizontally)
Protection class	IP00
Insulation class	F/H
Standard	GB 19212.1-2008 GB/T 1094.6-2011

额定工作电压	380V-400V
工作频率	0~120Hz (大于120Hz需定制)
额定工作电流	5A 至 1600A
工作环境温度	-25°C ~ 50°C
抗电强度	铁芯-绕组 AC 3000V/50Hz/5mA, 60秒无飞弧击穿 (工厂测试)
绝缘电阻	DC 1000V, 绝缘阻值 ≥ 100MΩ
电抗器噪音	<70dB (与电抗器水平距离1米外测试)
防护等级	IP00
绝缘等级	F/H
产品执行标准	GB 19212.1-2008 GB/T1094.6-2011

## Product Features 产品特点

Selection of silicon steel, ferrite magnetic material of amorphous core according to the frequency of application ;Excellent property due to full winding structure, small DC resistance ,strong resistance ,strong resistance to electromagnetic force, good overload ability in short time ; F class insulation materials are used ,which ensure products maintain reliable performance in harsh working conditions; Designed with low magnetic flux density ,the reactor is of high linearit, powerful overload capacity .Moreover, combined with VPI process, the noise is low.

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，非晶铁芯，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。

## 380V AC input reactor (uK 4%) selection table 380V输入电抗器 (4%电抗率) 选型表

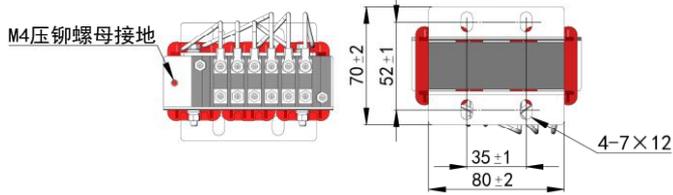
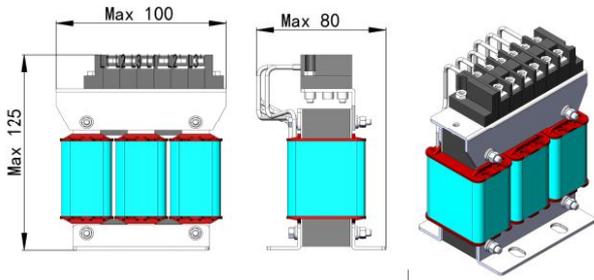
Type 电抗器型号	Power 功率(Kw)	Inductance Value 电感量(mH)	Current 电流(A)	Weight 重量(Kg)	Connection		Linear aperture 线排孔径	Pic. NO. 图号
					Terminal 端子	Cu flat 铜排		
SKS-ACL-0005-AL/4-4	1.5	5.6	5	1.6	√		/	A
SKS-ACL-0007-AL/4-4	2.2	4	7	2	√		/	B
SKS-ACL-0010-AL/4-4	3.7	2.8	10	2.5	√		/	C
SKS-ACL-0015-AL/4-4	5.5	1.87	15	3.5	√		/	D
SKS-ACL-0020-AL/4-4	7.5	1.4	20	4	√		/	D
SKS-ACL-0030-AL/4-4	11	0.931	30	8.3	√		/	E
SKS-ACL-0040-AL/4-4	15	0.7	40	11	√		/	F
SKS-ACL-0050-AL/4-4	18.5	0.56	50	13	√		/	G
SKS-ACL-0060-AL/4-4	22	0.466	60	13	√		/	G
SKS-ACL-0080-AL/4-4	30	0.349	80	18.7		25*4	φ9	H
SKS-ACL-0090-AL/4-4	37	0.31	90	18.7		25*4	φ9	H
SKS-ACL-0120-AB/4-4	45	0.233	120	23.7		25*4	φ9	I
SKS-ACL-0150-AB/4-4	55	0.186	150	28.6		25*4	φ9	J
SKS-ACL-0200-AB/4-4	75	0.14	200	34		30*4	φ11	K
SKS-ACL-0240-AB/4-4	90	0.116	240	41		30*5	φ11	L
SKS-ACL-0250-AB/4-4	110	0.112	250	41		30*5	φ11	L
SKS-ACL-0290-AB/4-4	132	0.096	290	44		40*4	φ11	M
SKS-ACL-0330-AB/4-4	160	0.0847	330	47		40*5	φ11	N
SKS-ACL-0390-AB/4-4	185	0.0716	390	55		50*5	2-φ11	O
SKS-ACL-0420-AB/4-4	200	0.0665	420	73		50*6	2-φ11	P
SKS-ACL-0490-AB/4-4	220	0.057	490	74		50*6	2-φ11	P
SKS-ACL-0530-AB/4-4	250	0.0527	530	74		50*6	2-φ11	P
SKS-ACL-0600-AB/4-4	280	0.047	600	74		50*6	2-φ11	Q
SKS-ACL-0660-AB/4-4	315	0.042	660	74		50*6	2-φ11	Q
SKS-ACL-0800-AB/4-4	380	0.035	800	83		60*8	4-φ13	R
SKS-ACL-1000-AB/4-4	450	0.028	1000	110		60*8	4-φ13	S
SKS-ACL-1250-AB/4-4	550	0.0225	1250	130		60*10	4-φ13	T
SKS-ACL-1600-AB/4-4	630	0.0175	1600	180		80*10	4-φ13	U

## 380V AC Output reactor (uK 4%) selection table 380V输出电抗器 (4%电抗率) 选型表

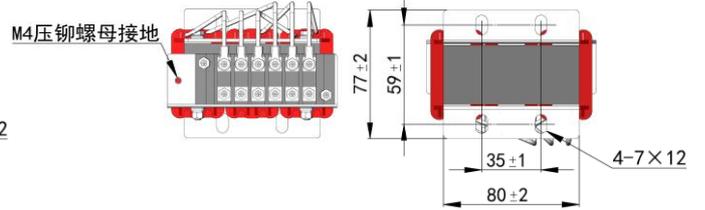
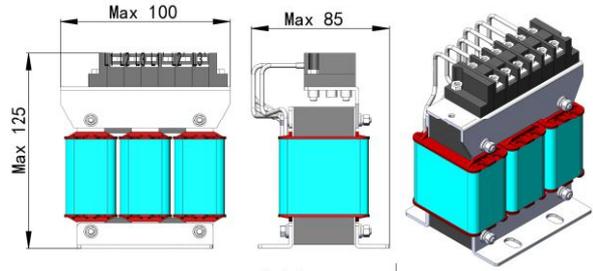
Type 电抗器型号	Power 功率(Kw)	Inductance Value 电感量(mH)	Current 电流(A)	Weight 重量(Kg)	Connection		Linear aperture 线排孔径	Pic. NO. 图号
					Terminal 端子	Cu flat 铜排		
SKS-OCL-0005-AL/4-4	1.5	5.6	5	1.6	√		/	A
SKS-OCL-0007-AL/4-4	2.2	4	7	2	√		/	B
SKS-OCL-0010-AL/4-4	3.7	2.8	10	2.5	√		/	C
SKS-OCL-0015-AL/4-4	5.5	1.87	15	3.5	√		/	D
SKS-OCL-0020-AL/4-4	7.5	1.4	20	4	√		/	D
SKS-OCL-0030-AL/4-4	11	0.931	30	8.3	√		/	E
SKS-OCL-0040-AL/4-4	15	0.7	40	11	√		/	F
SKS-OCL-0050-AL/4-4	18.5	0.56	50	13	√		/	G
SKS-OCL-0060-AL/4-4	22	0.466	60	13	√		/	G
SKS-OCL-0080-AL/4-4	30	0.349	80	18.7		25*4	φ9	H
SKS-OCL-0090-AL/4-4	37	0.31	90	18.7		25*4	φ9	H
SKS-OCL-0120-AB/4-4	45	0.233	120	23.7		25*4	φ9	I
SKS-OCL-0150-AB/4-4	55	0.186	150	28.6		25*4	φ9	J
SKS-OCL-0200-AB/4-4	75	0.14	200	34		30*4	φ11	K
SKS-OCL-0240-AB/4-4	90	0.116	240	41		30*5	φ11	L
SKS-OCL-0250-AB/4-4	110	0.112	250	41		30*5	φ11	L
SKS-OCL-0290-AB/4-4	132	0.096	290	44		40*4	φ11	M
SKS-OCL-0330-AB/4-4	160	0.0847	330	47		40*5	φ11	N
SKS-OCL-0390-AB/4-4	185	0.0716	390	55		50*5	2-φ11	O
SKS-OCL-0420-AB/4-4	200	0.0665	420	73		50*6	2-φ11	P
SKS-OCL-0490-AB/4-4	220	0.057	490	74		50*6	2-φ11	P
SKS-OCL-0530-AB/4-4	250	0.0527	530	74		50*6	2-φ11	P
SKS-OCL-0600-AB/4-4	280	0.047	600	74		50*6	2-φ11	Q
SKS-OCL-0660-AB/4-4	315	0.042	660	74		50*6	2-φ11	Q
SKS-OCL-0800-AB/4-4	380	0.035	800	83		60*8	4-φ13	R
SKS-OCL-1000-AB/4-4	450	0.028	1000	110		60*8	4-φ13	S
SKS-OCL-1250-AB/4-4	550	0.0225	1250	130		60*10	4-φ13	T
SKS-OCL-1600-AB/4-4	630	0.0175	1600	180		80*10	4-φ13	U

Note/备注: (1) Can be customized. 以上型号为我司标准品, 其它规格可以根据客户要求定制。

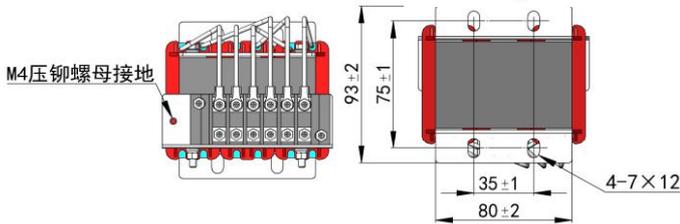
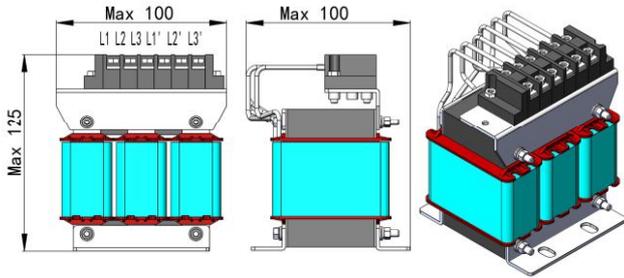
Product Size 产品尺寸图



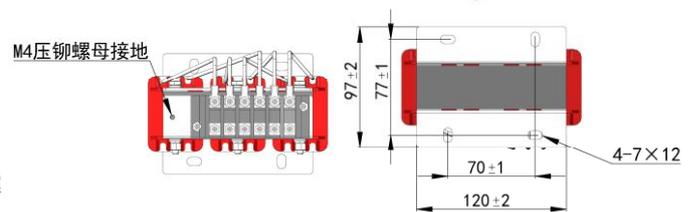
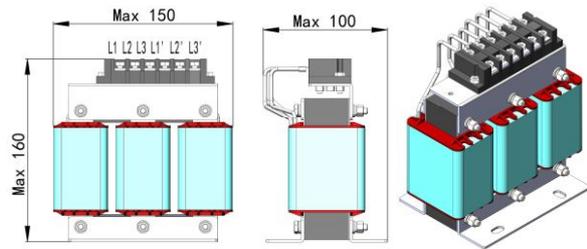
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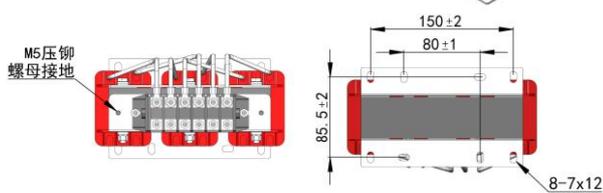
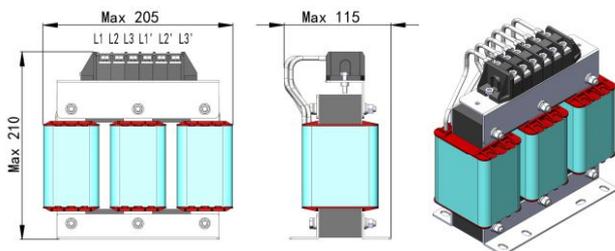
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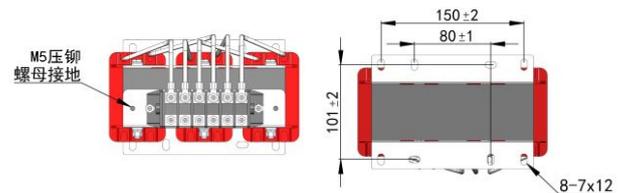
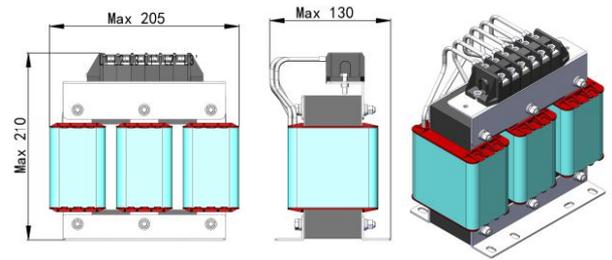
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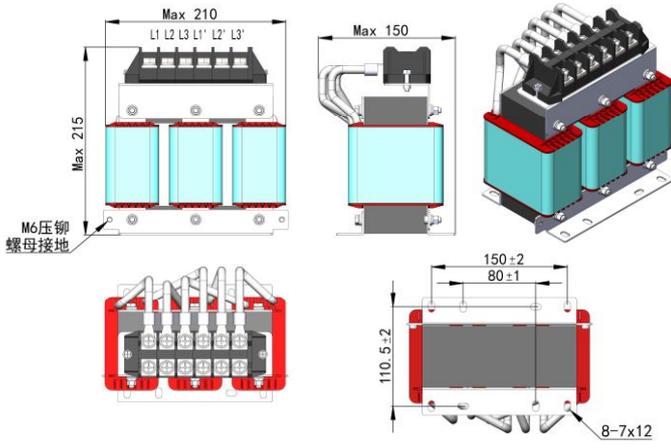
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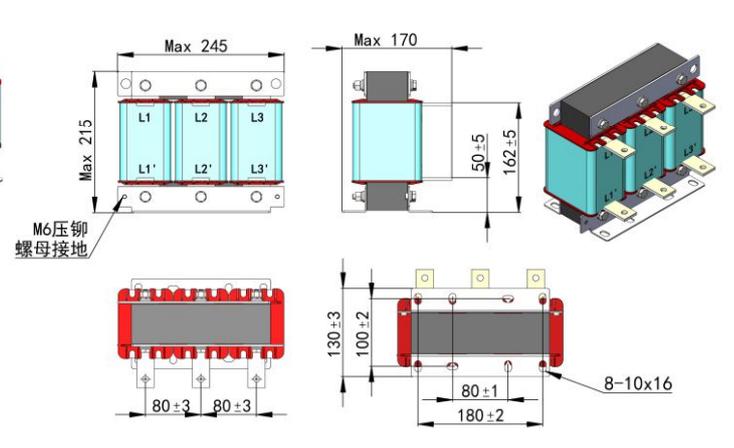
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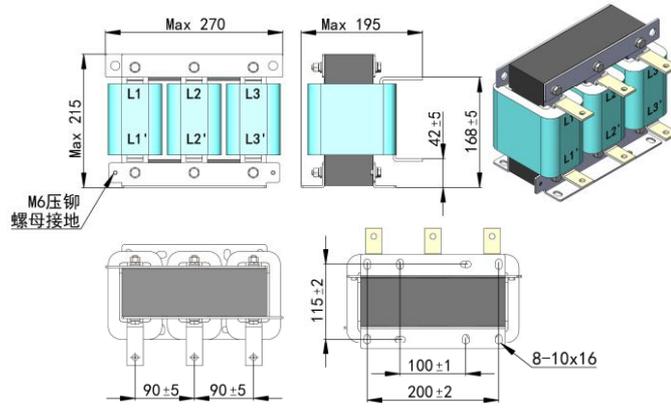
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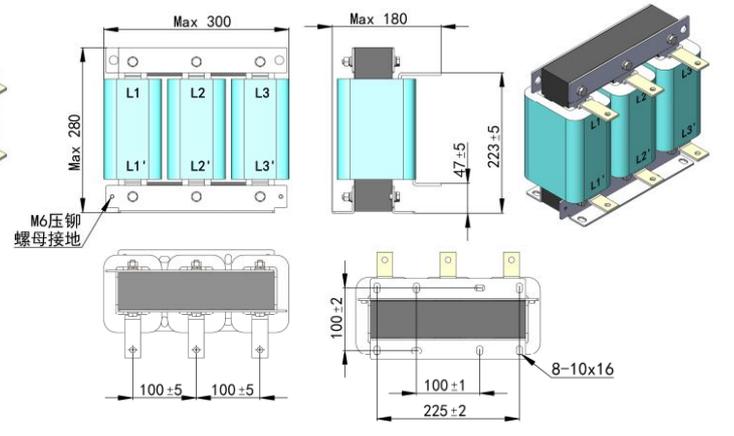
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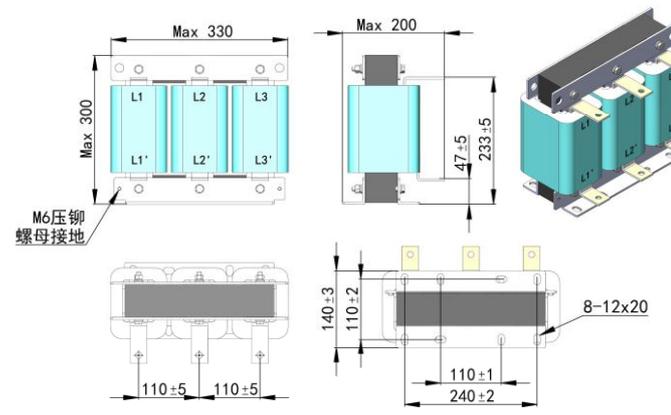
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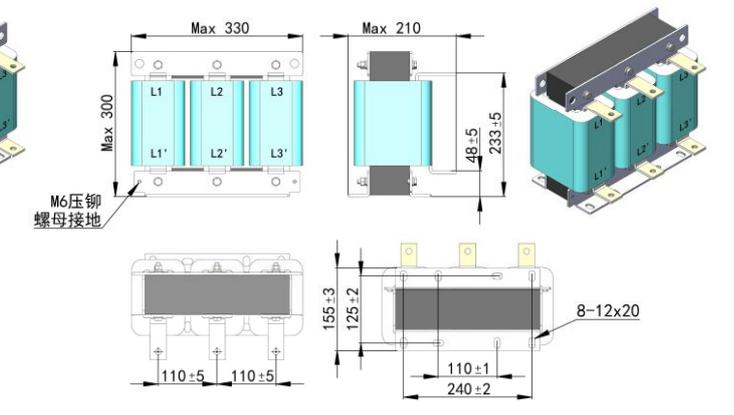
Picture I



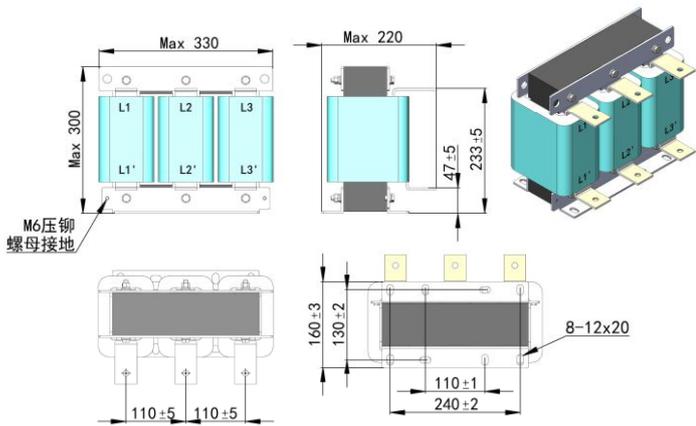
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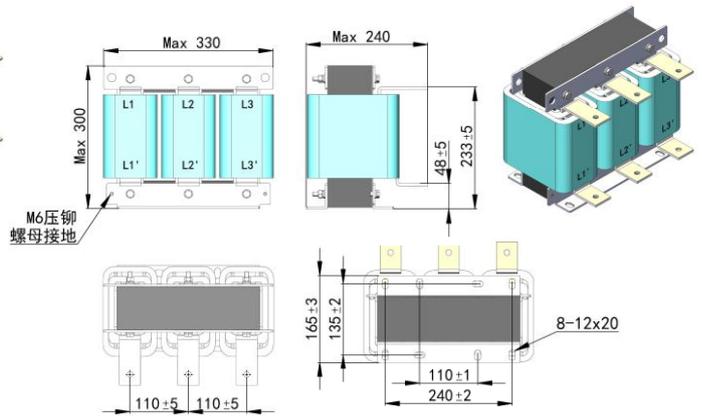
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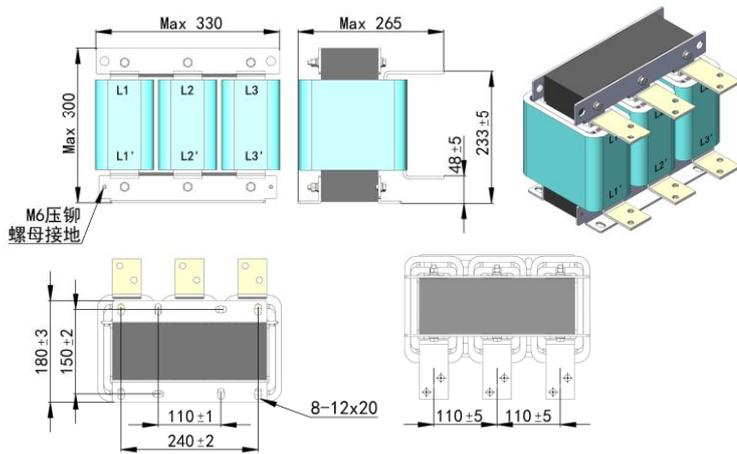
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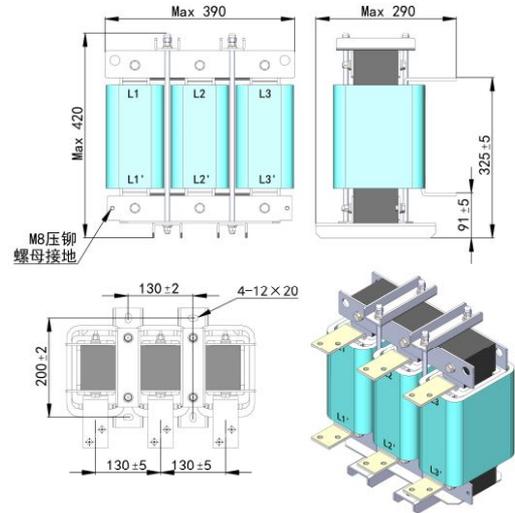
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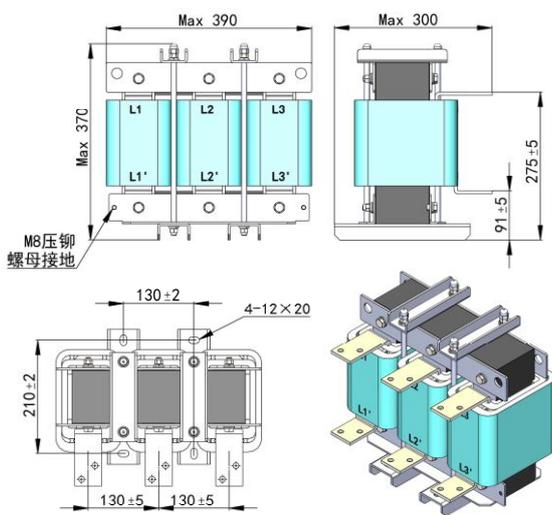
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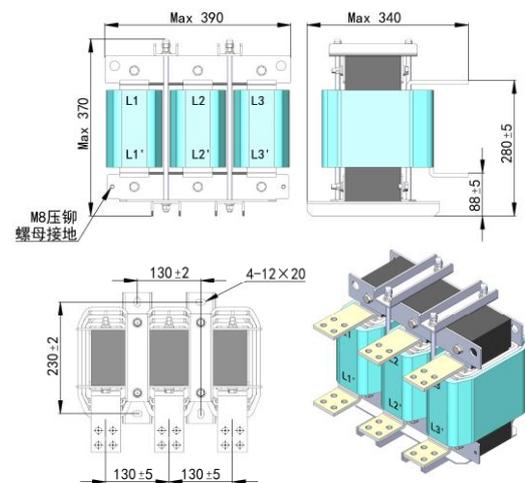
Picture O



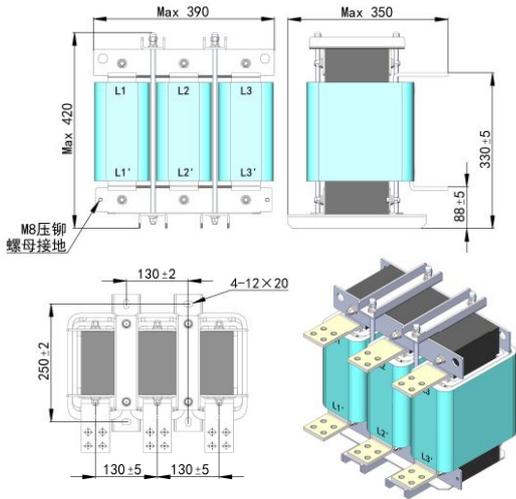
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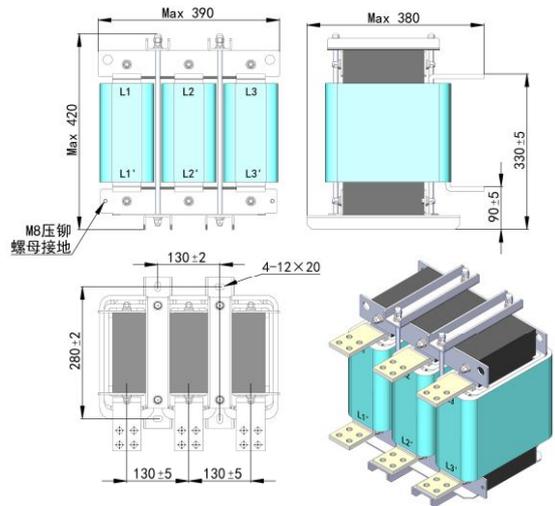
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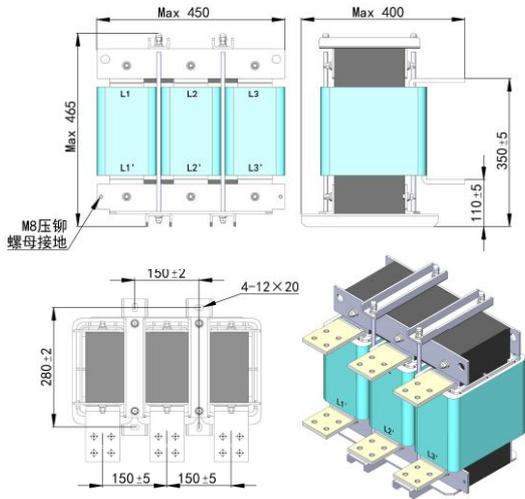
Picture R



Picture S



Picture T



Picture U