

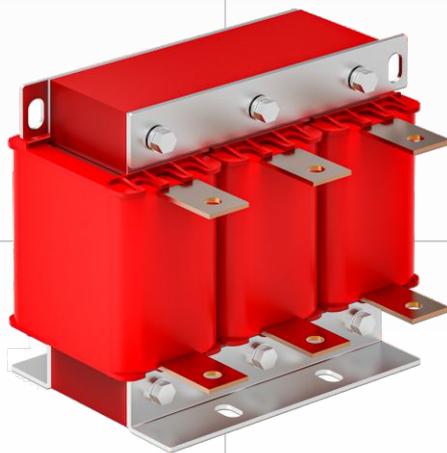
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## 380V 5% AC Input Reactor

Whole product portfolios of power quality can be offered.



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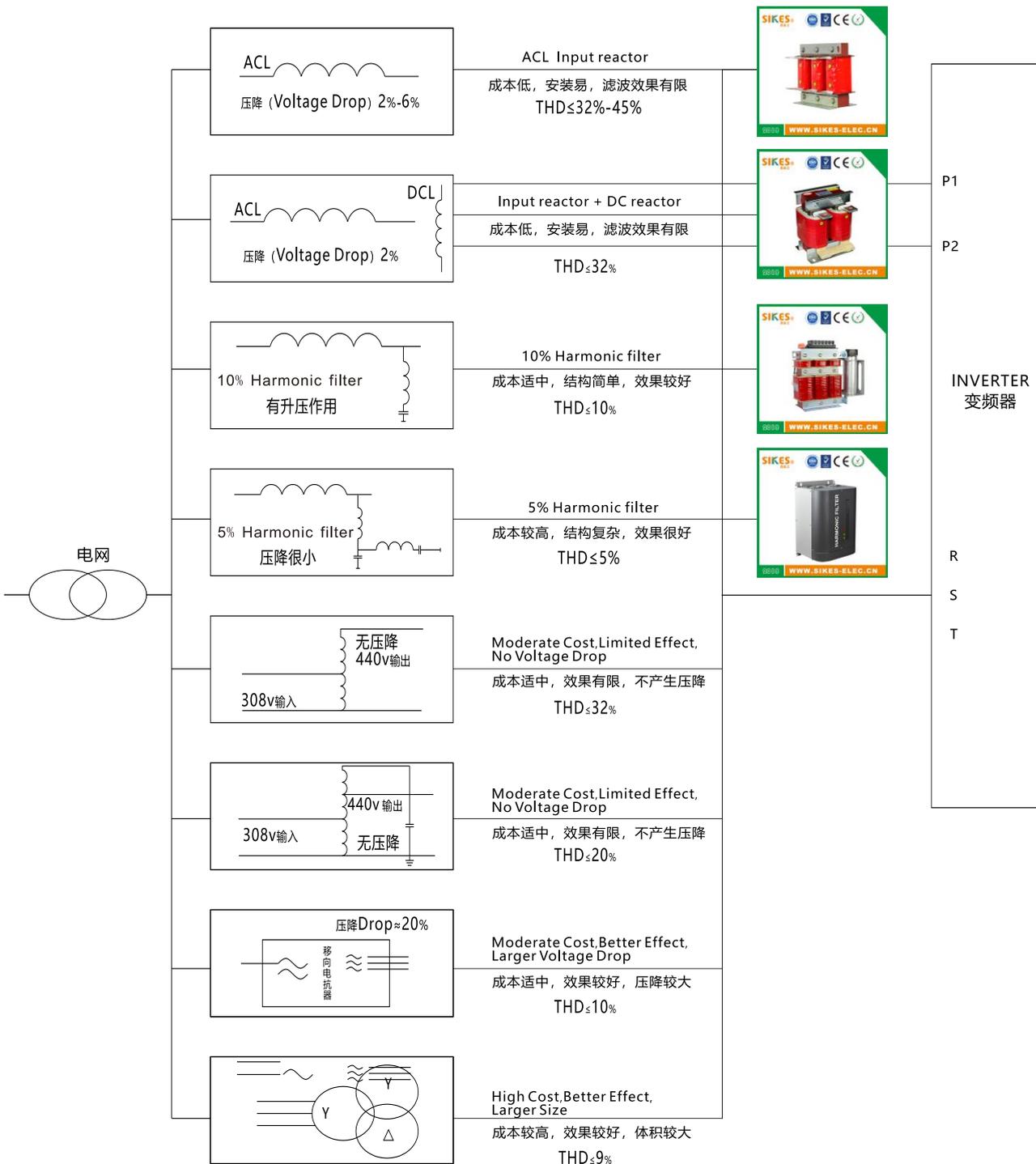


GUANGDONG SIKES Electric Co.,Ltd.

**SIKES**  
18 YEARS OF  
SUCCESS

# AC Input Reactor (Choke) 输入交流电抗器

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



# AC Input Reactor (5% impedance) 输入交流电抗器5%

输入交流电抗器  
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	380V/690V/1140V 50Hz/60Hz
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

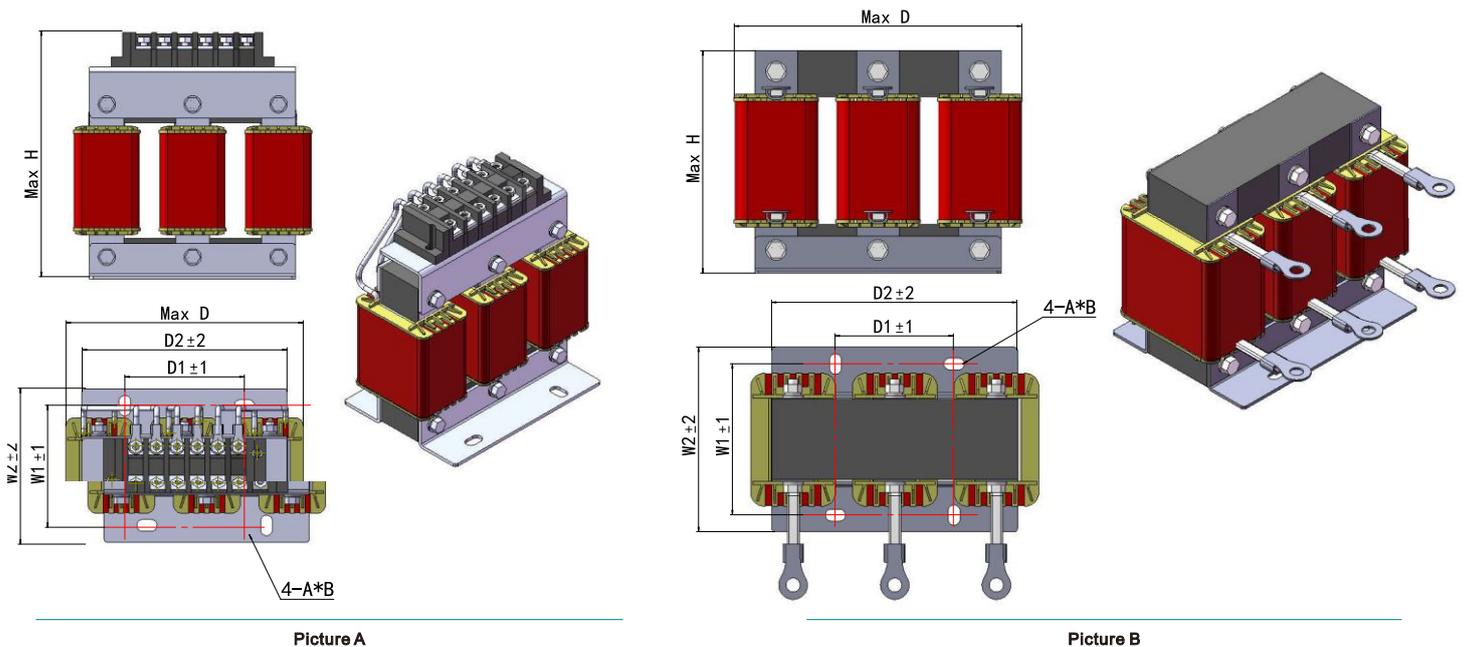
额定工作电压	380V/690V/1140V 50Hz/60Hz
工作频率	50/60Hz
额定工作电流	5A 至 1600A
工作环境温度	-25°C ~ 50°C
抗电强度	铁芯-绕组 AC 3000V/50Hz/5mA, 60秒无飞弧击穿(工厂测试)
绝缘电阻	绕组在DC 1000V测试条件下, 绝缘阻值 ≥ 100MΩ
电抗器噪音	<65dB (与电抗器水平距离1米测试)
防护等级	IP00
绝缘等级	F级/H级
产品执行标准	GB 19212.1-2008 GB/T1094.6-2011

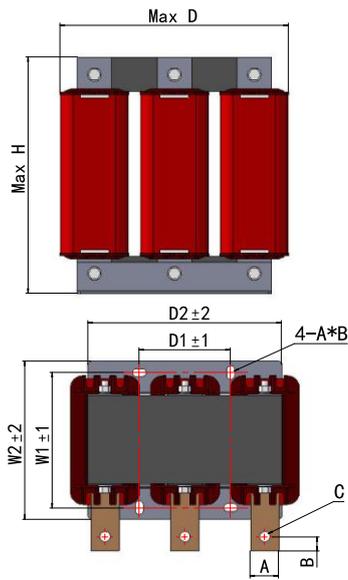
## 380V AC input reactor (5% impedance) selection table 380V输入电抗器 (5%电抗率) 选型表

Type 电抗器型号	Power 功率(Kw)	Inductance Value 电感量(mH)	Current 电流(A)	Weight 重量(Kg)	Dimension 尺寸(mm)								Connection		Linear aperture 线排孔径	Pic. NO. 图号
					D(Max)	D1±1	D2±2	W±10	W1±1	W2±2	H (Max)	A*B	Terminal 端子	Cu flat 铜排		
SKS-ACL-0005-AL/4-5	1.5	7	5	1.9	100	35	80	/	59	77	125	7x12	√		/	A
SKS-ACL-0007-AL/4-5	2.2	5	7	2.5	100	35	80	/	75	93	125	7x12	√		/	A
SKS-ACL-0010-AL/4-5	3.7	3.5	10	3	150	70	120	/	72	92	150	7x12	√		/	A
SKS-ACL-0015-AL/4-5	5.5	2.33	15	4	150	70	120	/	77	97	160	7x12	√		/	A
SKS-ACL-0020-AL/4-5	7.5	1.75	20	6	180	70	145	/	90	110	170	7x12	√		/	A
SKS-ACL-0030-AL/4-5	11	1.167	30	7.5	180	70	145	160	102	122	140	7x12	√		/	B
SKS-ACL-0040-AL/4-5	15	0.875	40	11.5	205	80	170	165	105	125	160	7x12	√		/	B
SKS-ACL-0050-AL/4-5	18.5	0.7	50	12	205	80	170	165	105	125	160	7x12	√		/	B
SKS-ACL-0060-AL/4-5	22	0.584	60	15	210	80	170	175	112	132	190	7x12	√		/	B
SKS-ACL-0080-AL/4-5	30	0.438	80	15.5	210	80	170	180	112	132	190	7x12	√		/	B
SKS-ACL-0090-AL/4-5	37	0.389	90	19	205	80	170	170	120	140	215	7x12		25*3	φ9	C
SKS-ACL-0120-AB/4-5	45	0.292	120	23	245	80	200	175	110	140	210	10x16		30*6	φ11	D
SKS-ACL-0150-AB/4-5	55	0.233	150	28	245	80	200	195	130	160	210	10x16		30*6	φ11	D
SKS-ACL-0200-AB/4-5	75	0.175	200	38	310	225	250	195	119	155	280	12x20		30*7	φ11	E
SKS-ACL-0240-AB/4-5	90	0.146	240	43.5	310	225	250	215	129	165	280	12x20		40*7	φ13	E
SKS-ACL-0260-AB/4-5	110	0.135	260	45	310	225	250	220	134	170	280	12x20		40*7	φ13	E
SKS-ACL-0290-AB/4-5	132	0.121	290	49	310	225	250	230	144	180	280	12x20		40*7	φ13	E
SKS-ACL-0330-AB/4-5	160	0.106	330	54	310	225	250	240	154	190	280	12x20		40*7	φ13	E
SKS-ACL-0390-AB/4-5	185	0.09	390	61	310	225	250	260	169	205	280	12x20		40*8	φ13	E
SKS-ACL-0420-AB/4-5	200	0.083	420	68	310	225	250	275	189	225	280	12x20		40*8	φ13	E
SKS-ACL-0490-AB/4-5	220	0.071	490	73	390	130	320	295	225	265	350	12x20		50*8	2-φ13	F
SKS-ACL-0530-AB/4-5	250	0.066	530	75	390	130	320	300	225	265	350	12x20		50*8	2-φ13	F
SKS-ACL-0600-AB/4-5	280	0.058	600	87	390	130	320	320	245	285	350	12x20		50*9	2-φ13	F
SKS-ACL-0660-AB/4-5	315	0.053	660	87	390	130	320	320	245	285	350	12x20		50*9	2-φ13	F
SKS-ACL-0800-AB/4-5	380	0.044	800	97	390	130	320	360	260	300	350	12x20		60*9	4-φ13	G
SKS-ACL-1000-AB/4-5	450	0.035	1000	130	390	130	320	375	285	325	410	12x20		60*11	4-φ13	G
SKS-ACL-1250-AB/4-5	550	0.028	1250	170	450	150	380	370	275	315	460	12x20		60*13	4-φ13	G
SKS-ACL-1600-AB/4-5	630	0.0219	1600	215	450	150	380	435	325	365	460	12x20		80*13	4-φ13	G

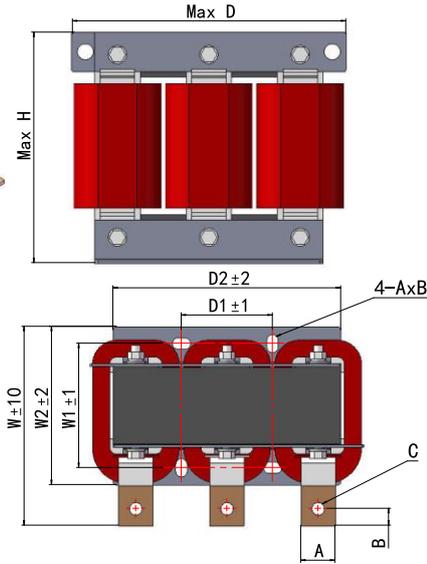
Note/备注: (1) Can be customized. 以上型号为我司标准品, 其它规格可以根据客户要求定制。

## Product Size 产品尺寸图

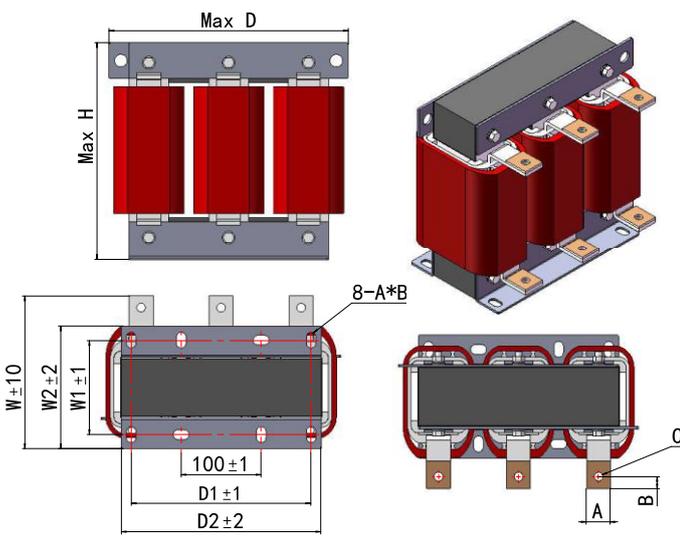




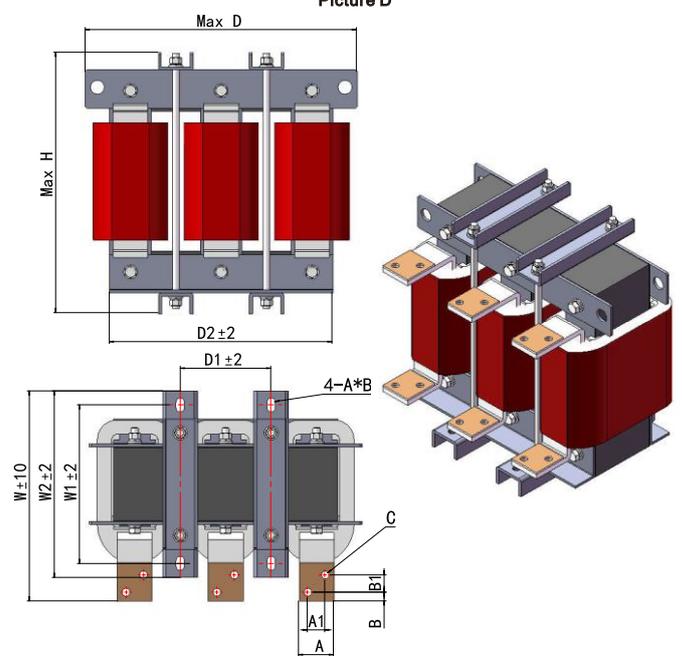
Picture C



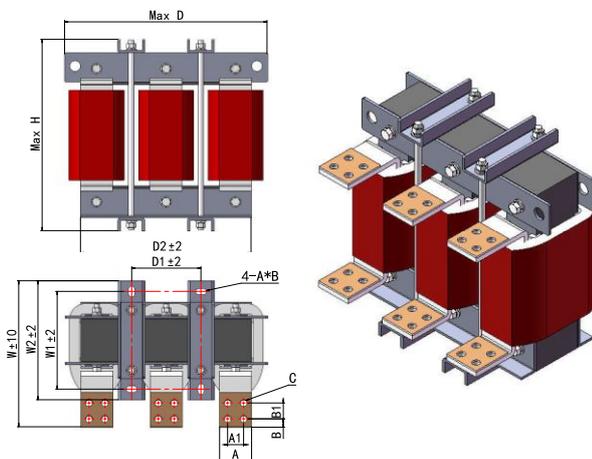
Picture D



Picture E



Picture F



Picture G