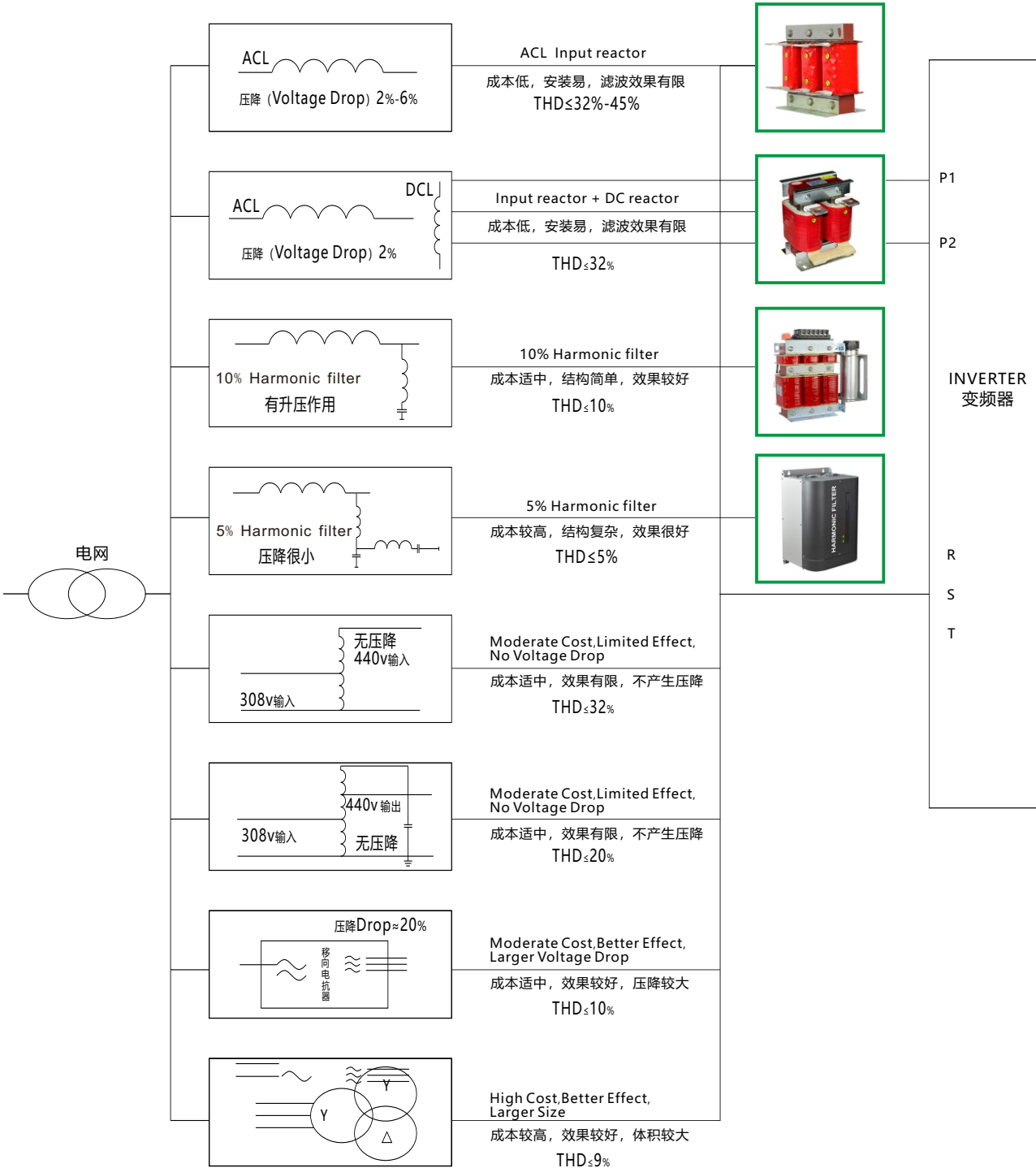


# AC Input Reactor (Choke) 输入交流电抗器

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



# AC Input Reactor (4% impedance) 输入交流电抗器4%

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 linearly, 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

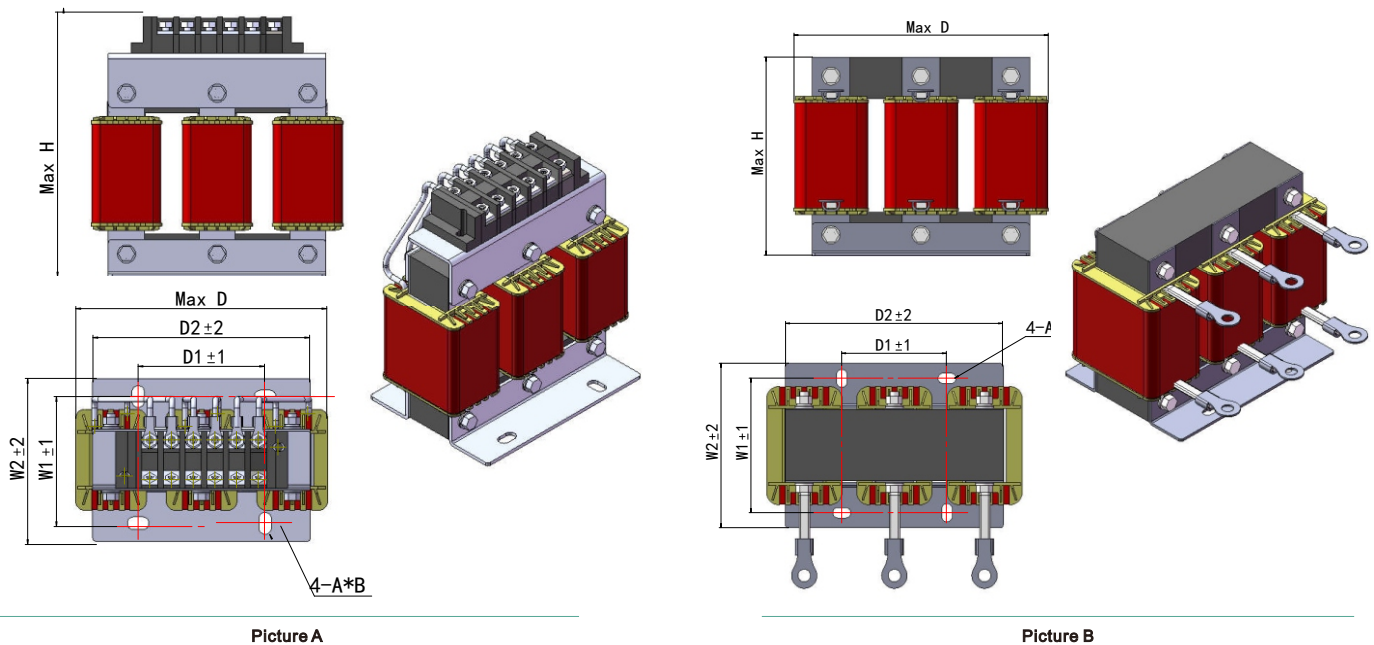
额定工作电压	380V/690V/1140V 50Hz/60Hz
工作频率	50/60Hz
额定工作电流	5A 至 1600A
工作环境温度	-25°C ~ 50°C
抗电强度	铁芯-绕组 AC 3000V/50Hz/5mA, 60秒无飞弧击穿(工厂测试)
绝缘电阻	绕组在DC 1000V测试条件下, 绝缘阻值 ≥ 100MΩ
电抗器噪音	<65dB (与电抗器水平距离点1米测试)
防护等级	IP00
绝缘等级	F级/H级
产品执行标准	GB 19212.1-2008 GB/T1094.6-2011

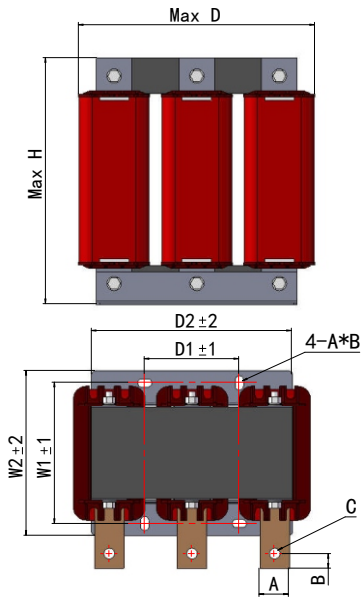
## 380V AC input reactor (4% impedance) selection table 380V输入电抗器 (4%电抗率) 选型表

Type 电抗器型号	Power 功率(Kw)	Inductance Value 电感量(mH)	Current 电流(A)	Weight 重量(Kg)	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		
ACL-0005-CL/4-4	1.5	5.6	5	1.6	100	35	80	/	52	70	125	7x12	√		/	A
ACL-0007-CL/4-4	2.2	4	7	2	100	35	80	/	59	77	125	7x12	√		/	A
ACL-0010-CL/4-4	3.7	2.8	10	2.5	100	35	80	/	75	93	125	7x12	√		/	A
ACL-0015-AL/4-4	5.5	1.87	15	3.5	150	70	120	/	77	97	160	7x12	√		/	A
ACL-0020-AL/4-4	7.5	1.4	20	4	150	70	120	/	77	97	160	7x12	√		/	A
ACL-0030-AL/4-4	11	0.934	30	6	180	70	145	/	90	110	170	7x12	√		/	A
ACL-0040-AL/4-4	15	0.7	40	7.5	180	70	145	160	102	122	140	7x12	√		/	B
ACL-0050-AL/4-4	18.5	0.56	50	11.5	205	80	170	165	105	125	160	7x12	√		/	B
ACL-0060-AL/4-4	22	0.467	60	12	205	80	170	165	105	125	160	7x12	√		/	B
ACL-0080-AL/4-4	30	0.35	80	15	210	80	170	180	112	132	190	7x12	√		/	B
ACL-0090-AL/4-4	37	0.311	90	15	210	80	170	180	112	132	190	7x12	√		/	B
ACL-0120-AL/4-4	45	0.233	120	19.5	205	80	170	170	120	140	215	7x12		25*3	φ9	C
ACL-0150-AL/4-4	55	0.187	150	23	245	80	200	175	110	140	210	10x16		30*6	φ11	D
ACL-0200-AL/4-4	75	0.14	200	28	245	80	200	195	130	160	210	10x16		30*6	φ11	D
ACL-0240-AB/4-4	90	0.117	240	38	310	225	250	195	119	155	280	12x20		30*8	φ11	E
ACL-0260-AB/4-4	110	0.108	260	39	310	225	250	195	119	155	280	12x20		30*8	φ11	E
ACL-0290-AB/4-4	132	0.097	290	40	310	225	250	210	124	160	280	12x20		40*7	φ13	E
ACL-0330-AB/4-4	160	0.085	330	45.5	310	225	250	220	134	170	280	12x20		40*7	φ13	E
ACL-0390-AB/4-4	185	0.072	390	55	310	225	250	245	159	195	280	12x20		40*8	φ13	E
ACL-0420-AB/4-4	200	0.067	420	56	310	225	250	245	159	195	280	12x20		40*8	φ13	E
ACL-0490-AB/4-4	220	0.057	490	65	310	225	250	280	179	215	280	12x20		50*8	2-φ13	F
ACL-0530-AB/4-4	250	0.053	530	65	310	225	250	280	179	215	280	12x20		50*8	2-φ13	F
ACL-0600-AB/4-4	280	0.047	600	73	390	130	320	295	220	260	350	12x20		50*9	2-φ13	G
ACL-0660-AB/4-4	315	0.042	660	73	390	130	320	295	220	260	350	12x20		50*9	2-φ13	G
ACL-0800-AB/4-4	380	0.035	800	83	390	130	320	330	235	275	350	12x20		60*9	4-φ13	H
ACL-1000-AB/4-4	450	0.028	1000	110	390	130	320	345	255	295	410	12x20		60*11	4-φ13	H
ACL-1250-AB/4-4	550	0.0225	1250	130	390	130	320	380	290	330	410	12x20		60*13	4-φ13	H
ACL-1600-AB/4-4	630	0.0175	1600	180	450	150	380	395	285	325	460	12x20		80*13	4-φ13	H

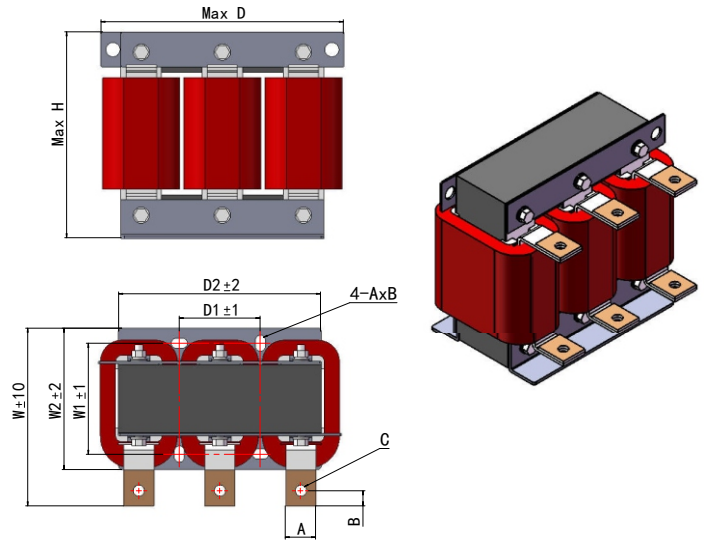
Note/备注: (1) Can be customized. 以上型号为我司标准品, 其它规格可以根据客户要求定制。

## Product Size 产品尺寸图

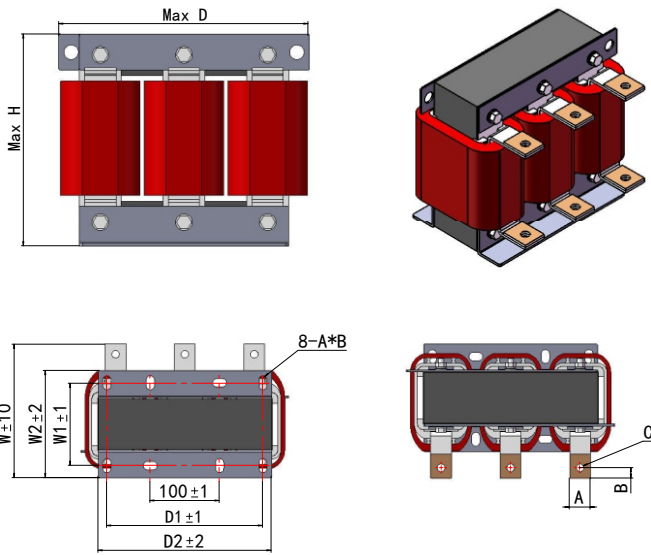




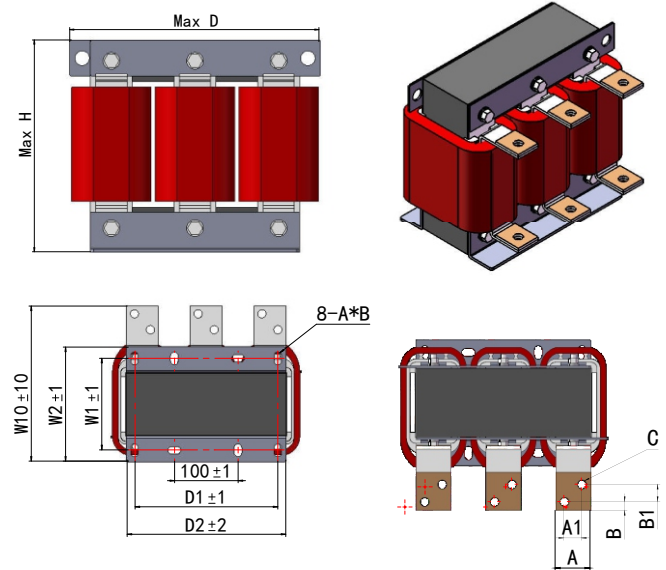
Picture C



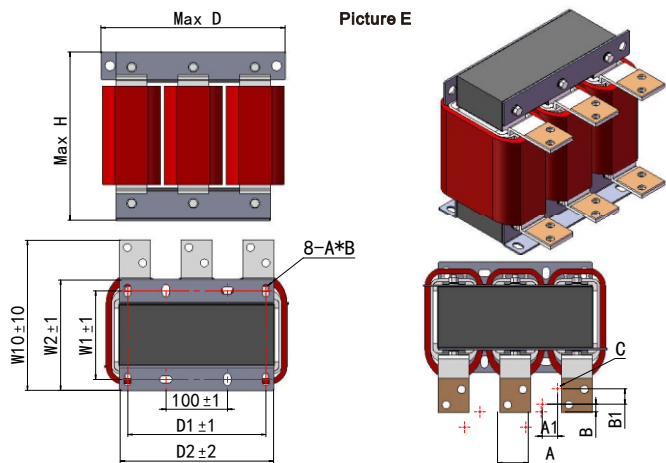
Picture D



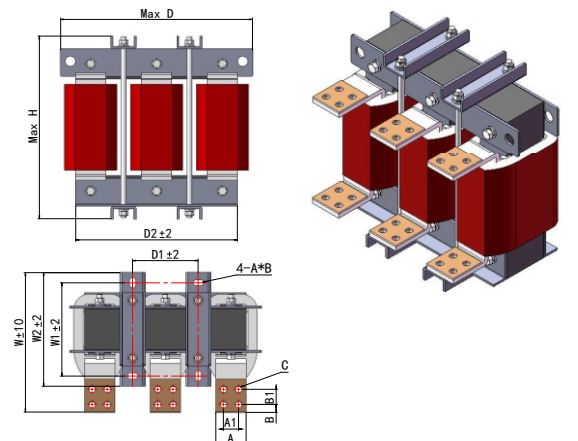
Picture E



Picture F



Picture G



Picture H