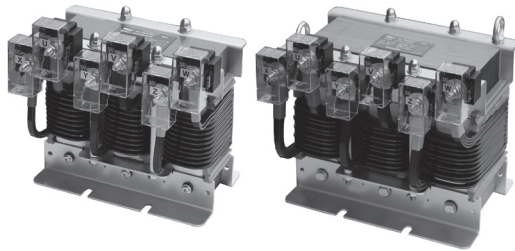


SMART REACTOR

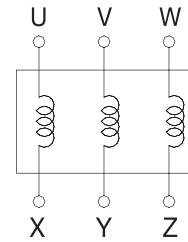
AC OUTPUT REACTOR 인버터 후단용 (Standing Type ACL)



30kW ~ 45kW

55kW ~ 90kW

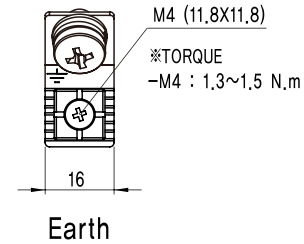
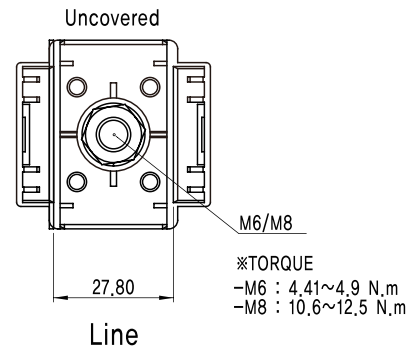
● Circuit Diagram



● Specifications

Phase	3 Φ	
Frequency	0~60 Hz	
Inverter Switching Frequency	1.5~3.0 kHz (up to 4.5kHz with derating according graph A)	
Insulation Class	H	
Cooling	Natural cooling AN	
Limited temp. rining	120 k (at 3 kHz)	
Overload capability	1.6x rated current for 1 minute, once per hour	
Audible Noise	Max, 82 dB (With derating according graph B)	
Pollution degree	PD3	
Protection category	IP00	
Operating Temp. & Hum.	-20 ~ 40°C & 0~80% (Non-Condensing)	
Storage Temp. & Hum.	-20 ~ 50°C & 0~80% (Non-Condensing)	
Dielectric withstand voltage	Between each terminal & body (3,0kVAC for 1min.)	
Insulation Resistance	Min, 100MΩ, at 500VDC Megger	
Related Standard	IEC 61558-1	Safety of power transformers, power supplies, reactors and similar products - Part 1 : General Requirements and tests
	IEC 61558-2-20	Safety of transformers, reactors, power supplies units and combination thereof - Part 2-20 : Particular requirements and tests for small reactors

● Terminal



● Standing Type

220V (Impedance Voltage : 1.3% 220VAC, 60Hz)

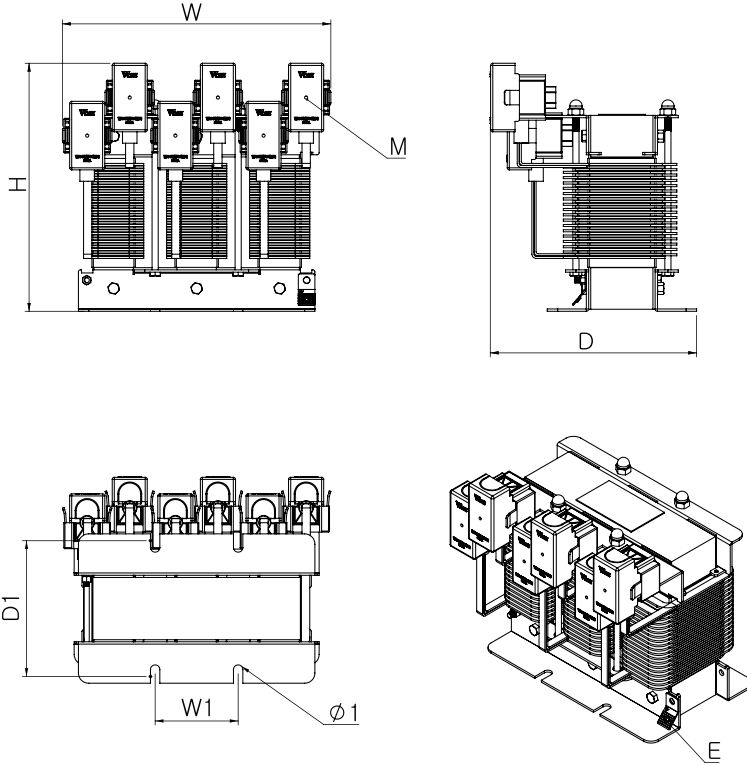
MODEL	용량(kw)	정격전류 (A)	인덕턴스 (mH)	Dimensions(mm)								Weight (kg)
				W	H	D	W1	D1	Φ1	M	E	
WYACL2-30S	30	134	0.033	259	233	229	80	131	9x17.7	M8	M4	24
WYACL2-37S	37	164	0.027	259	233	229	80	131	9x17.7	M8	M4	26
WYACL2-45S	45	200	0.022	259	233	229	80	131	9x17.7	M8	M4	27

380V~440V (Impedance Voltage : 1.3% 400VAC, 60Hz)

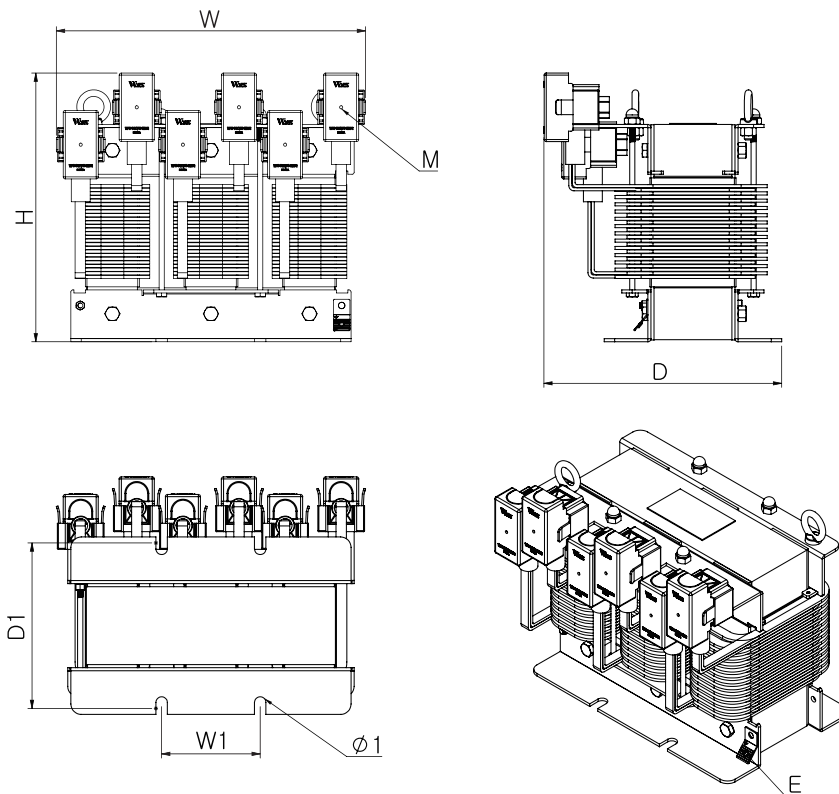
MODEL	용량(kw)	정격전류 (A)	인덕턴스 (mH)	Dimensions(mm)								Weight (kg)
				W	H	D	W1	D1	Φ1	M	E	
WYACL4-30S	30	67	0.119	259	219	229	80	131	9x17.7	M6	M4	24
WYACL4-37S	37	82	0.097	259	240	229	80	131	9x17.7	M6	M4	26
WYACL4-45S	45	100	0.080	259	240	229	80	131	9x17.7	M8	M4	27
WYACL4-55S	55	121	0.066	298	270	255	95	185	11x17	M8	M4	40
WYACL4-75S	75	167	0.048	298	270	255	95	185	11x17	M8	M4	42
WYACL4-90S	90	190	0.042	298	270	255	95	185	11x17	M8	M4	43

● Dimension

Standing Type 30~45kW



Standing Type 55~90kW (I-bolt M8)



노이즈컷트렌스
NCT

리액터
REACTOR

트랜스포머
TRANS.

중성점필터
AHF

수동형필터
PHF

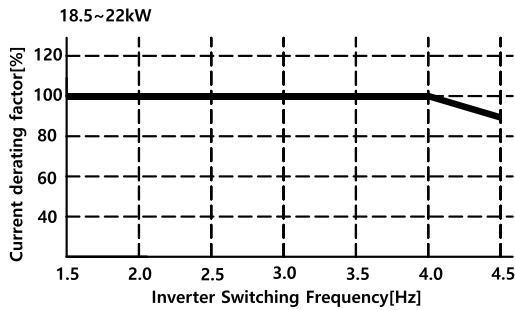
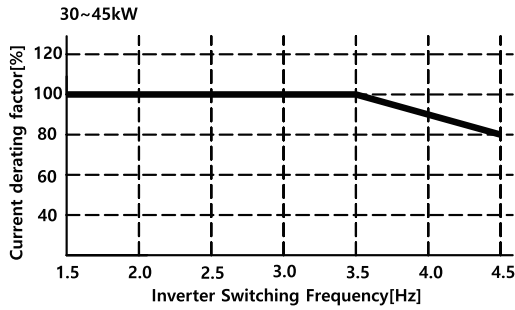
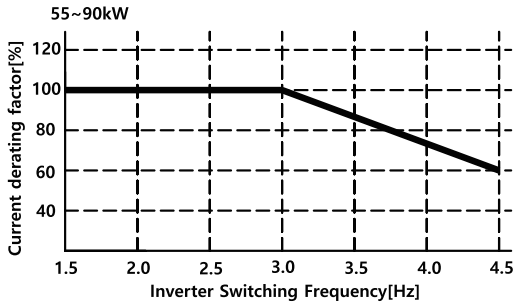
마이크로서지필터
MSF

사인웨이브필터
SWF

영상고조파필터
ZHF

● Derating graph

Derating Graph A



Derating Graph B

