

CONDENSER SERIES REACTOR



The series reactor for a capacitor is installed to prevent leakage and filling of the capacitor, limit the inrush current generated when power is applied to the capacitor, and extend the life of the capacitor vulnerable to harmonics. It is also used as a filter to remove harmonics by forming a low impedance for harmonics of a specific order by forming an L-C bank with a capacitor

Characteristics of Reactors for SAMDAL Series reactor

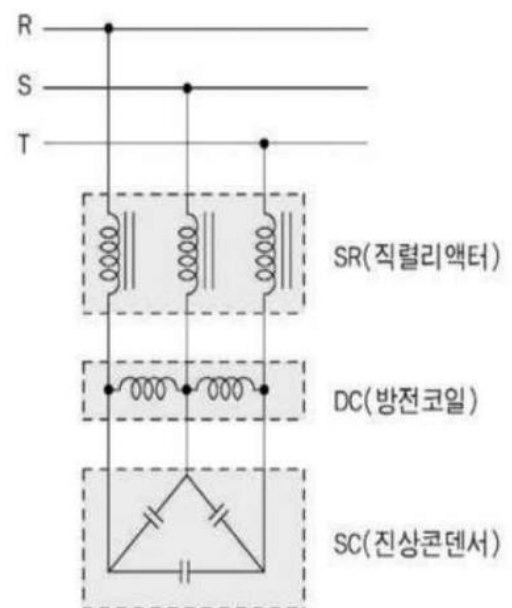
- Manufactured by vacuum impregnation method, product noise and heat generation are low.
- It reduces the magnetic flux density of the reactor iron core, so there is less noise.
- Available semi-permanently.
- It can be installed anywhere in an appropriate size.
- Reduce Condenser noise, extend Condenser life



Specification [IEC 60076-6]

Phase	3Phase
Rated frequency	50 / 60Hz
Rated voltage	220V / 380~480V / 3.3, 6.6kV / 11kV etc
Rated capacity	0.6kVar~300kVar
Insulation level	B / F / H Class
Option	Temperature contact A 120℃ or Requirements

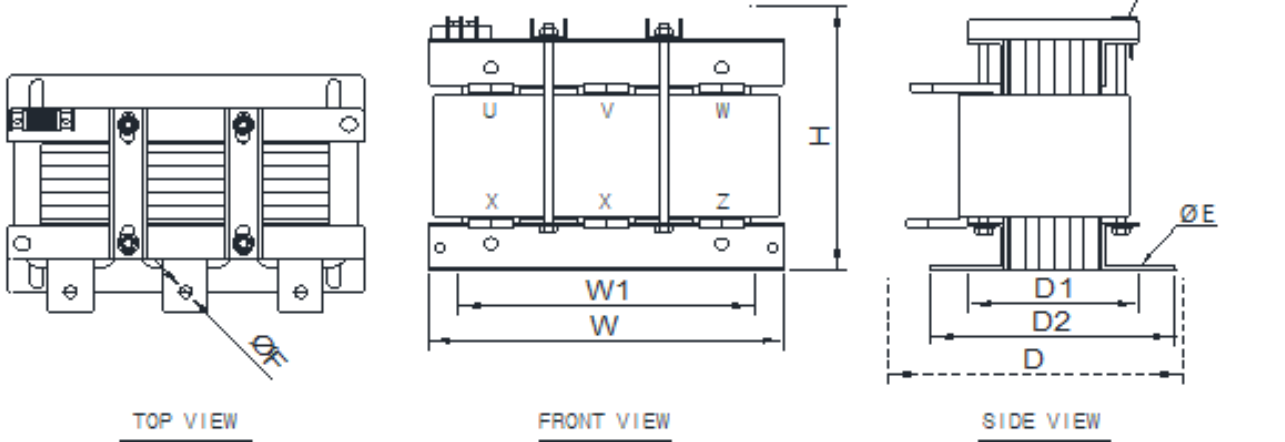
Circuit diagram



Reactor Aluminium 7% for capacitor 3P 440V

MATERIAL LIST
COIL : AL
CORE : RM-0.27

① PT-01 R120C	
Operating Temperature	Return Temperature
120℃ ± 5℃	Operating Temperature -25℃ ± 15℃



Size and weight

KVAR	KVA	MODEL	W (mm)	D (mm)	H (mm)	W1 (mm)	D1 (mm)	D2 (mm)	Weight (KG)	ΦF	ΦE
10	0.7	SD7-RCAL400-440/10	200	165	175	160	114	155	11	9	9
15	1.05	SD7-RCAL400-440/15	200	165	175	160	114	155	14.5	9	9
20	1.4	SD7-RCAL400-440/20	240	190	200	200	115	165	17	9	9
25	1.75	SD7-RCAL400-440/25	240	190	200	200	115	165	17	9	9
30	2.1	SD7-RCAL400-440/30	270	215	240	230	120	175	23	9	11
40	2.8	SD7-RCAL400-440/40	270	220	240	230	125	180	25	9	11
50	3.5	SD7-RCAL400-440/50	270	230	240	230	135	190	29	11	11
75	5.25	SD7-RCAL400-440/75	300	250	270	260	149	204	42	11	13
100	7	SD7-RCAL400-440/100	300	260	270	260	161	216	47	11	13
125	8.75	SD7-RCAL400-440/125	330	270	290	290	166	221	47	11	13
150	10.5	SD7-RCAL400-440/150	330	270	290	290	166	221	48	11	13
175	12.25	SD7-RCAL400-440/175	360	265	310	320	166	226	58	11	13
200	14	SD7-RCAL400-440/200	360	270	310	320	171	231	60	11	13

* Size tolerance : ±5% / Weight tolerance : ±10%

* The above specification is subject to change for quality improvement.

* Please contact us for non-standard capacity.