

Series Reactor for Power Factor Correction

Salient Features of SAGAON Reactors:

- Specially designed Bobbins for efficient Cooling
- Multiple Conductors for better Heat dissipation
- Vacuum Pressure Impregnated for better penetration
- Multiple Air Gaps to avoid Flux Fringing
- Mechanically Sturdy Design To Withstand Vibrations
- Thermal Switch embedded in winding for over temperature protection
- Low Noise



Type:

Detuned, Iron Core,
Copper or Aluminum Wound

Range:

From 5 KVAR to 300 KVAR
Filter Factor 5.67 % , 7 % , 14 %
System Voltage : 440 V , 550 V , 690 V

Benifits of using SAGAON Reactors:

- Increase life of Capacitors
- Reduce harmonics in Electrical Systems
- Avoid over heating of cables of Transformers
- Avoid over current during switching of capacitor banks

Technical Specifications :

Standards Followed : IS -5553-1990

- Linearity: Standard 1.73 Times on request 2.08 Times.
- Insulation Class H as Standard , F on Request
- Inductance Value Accuracy within +, - 1.5%
- Termination: **For Copper Wound** -Nickel Platted Copper busbar for 25 KVAR & above
For Aluminum Wound -Aluminum Lugs
- Noise level less than 60 dB at rated load at 1 meter Distance
- Inductance phase within +1.2%
- Adequate cushion provided to avoid heating due to leakage flux

SAGAON ENERGY EQUIPMENT PVT. LTD.

REGD. OFFICE :

1 Chandangad Apartments,
5/3A, Kothrud, Pune 411 029.
Phone : 0091-20-25449218
email.: sagaonpuneoffice@gmail.com

Pune Works :

Plot S-18, 'T' Block, M.I.D.C.,
Bhosari, Pune - 411 026.
Tel. No. 27127188, 27126202,
Telefax : 0091-20-27120284
email.: sagaon_bhosari@yahoo.com

Karad Works :

Plot No. C 5/1, M. I. D. C.,
Karad, Indu. Area, Village Varade,
Dist. Satara, Karad-415109.
Telefax. No.: 0091-2164-258313
email.: sagaon_karad@bsnl.in

E-MAIL :- sagaon@pn2.vsnl.net.in
sales.sagaon@gmail.com

VISIT US AT :- www.sagaontrafo.com www.sagaonenergy.com

Typical Data Sheet For 440 V , 7 % Detuned , Copper Wound Reactors

Value	Dimensions (in mm)			Current	Inductance	Weight (in Kg.)	Losses (Watts)
	L	W	H				
10 KVAR 7%	220	130	165	13.2 A	4.64 mH	15	80W
12.5 KVAR 7%	220	130	165	16.6 A	3.71mH	15	90W
15 KVAR 7%	220	160	165	19.8 A	3.1 mH	20	130W
25 KVAR 7%	225	145	205	33 A	1.86 mH	24	170W
50 KVAR 7%	260	170	230	65.8 A	0.926 mH	35	250W
75 KVAR 7%	300	175	270	99 A	0.618 mH	47	340W
100 KVAR 7%	300	200	265	131.5 A	0.464 mH	58	380W

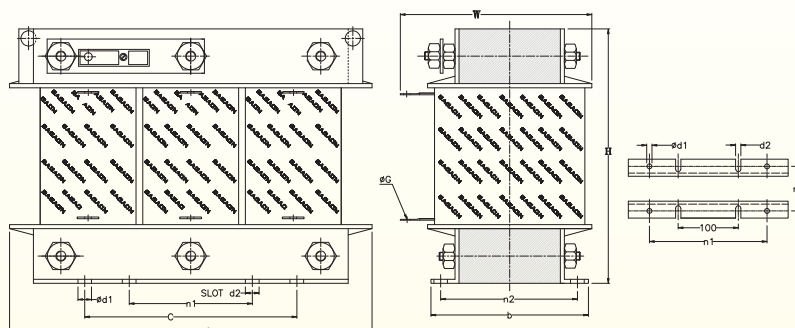
Typical Data Sheet For 440 V , 7 % Detuned , Aluminium Wound Reactors

Value	Dimensions (in mm)			Current	Inductance	Weight (in Kg.)	Losses (Watts)
	L	W	H				
10 KVAR 7%	220	150	160	13.2 A	4.64 mH	8.7	90W
12.5 KVAR 7%	240	160	165	16.6 A	3.71 mH	10	90W
15 KVAR 7%	230	170	205	19.8 A	3.1 mH	16.3	125W
25 KVAR 7%	250	180	205	33 A	1.86 mH	20	170W
50 KVAR 7%	290	205	235	65.8 A	0.926 mH	27	250W
100 KVAR 7%	340	250	270	131.5 A	0.464 mH	49	380W

Other ratings on request

Our Other Products:

- 1.Transformers : VPI , Cast Resin , Oil Filled
- 2.Input & Output Reactor for Drives
- 3.Impedance Bonds For Railway Signalling
- 4.DC Air Core Reactors for Steel Mills
- 5.Dual Inductance DC Iron Core Reactors



SAGAON ENERGY EQUIPMENT PVT. LTD.

REGD. OFFICE :

1 Chandangad Apartments,
5/3A, Kothrud, Pune 411 029.
Phone : 0091-20-25449218
email.: sagaonpuneoffice@gmail.com

Pune Works :

Plot S-18, 'T' Block, M.I.D.C.,
Bhosari, Pune - 411 026.
Tel. No. 27127188, 27126202,
Telefax : 0091-20-27120284
email.: sagaon_bhosari@yahoo.com

Karad Works :

Plot No. C 5/1, M. I. D. C.,
Karad, Indu. Area, Village Varade,
Dist. Satara, Karad-415109.
Telefax. No.: 0091-2164-258313
email.: sagaon_karad@bsnl.in

E-MAIL :- sagaon@pn2.vsnl.net.in
sales.sagaon@gmail.com

VISIT US AT :- www.sagaontrafo.com www.sagaonenergy.com