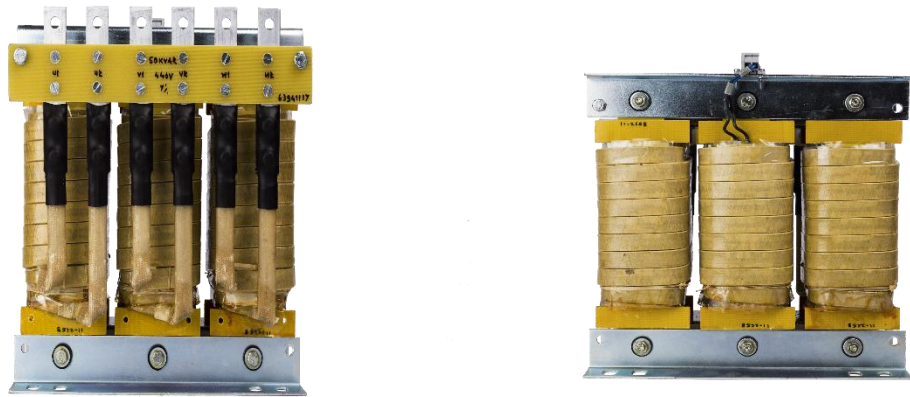


03 Sparkle Avenue, Near Chate School (Katraj) Pune-Satara Road, Katraj Pune – 411046

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REACTOR



FEATURES

1. Available with copper or aluminium winding
2. Vacuum-impregnated for low noise operation & corrosion protection
3. Special low loss of iron core (with CRGO core material) of high-class transformer sheet for minimised heat losses
4. Very low power losses using CRGO material (50 % more than others)
5. High linearity rating-safe against Ferro-resonances
 - $\geq 1.75 I_N$ for 7% (189Hz)
 - $\geq 2.2 I_N$ for 5.67% (210Hz)
 - $\geq 1.55 I_N$ for 14% (134Hz)
6. Adjusting rating to matched with existing capacitor to reduced cost

TECHNICAL DATA

Reference Standard.	IS-5553, IEC-60076,	IS-5553, IEC-60076,	IS-5553, IEC-60076,	IS-5553, IEC-60076,
Standard Rating	25KVAR	50KVAR	75KVAR	100KVAR
Design Voltages	415/440 Volts.	415/440 Volts.	415/440 Volts.	415/440 Volts.
Rated Frequency	50 Hz +/- 2.5 %.	50 Hz +/- 2.5 %.	50 Hz +/- 2.5 %.	50 Hz +/- 2.5 %.
Tolerance on millinery value	+ 4 % . - 0%	+ 4 % . - 0%	+ 4 % . - 0%	+ 4 % . - 0%
Linearity	180%	180%	180%	180%
Thermal Current	130%	130%	130%	130%
Insulation Class	Class F	Class F	Class F	Class F
Connection	16 x 4 Aluminium Busbar	16 x 4 Aluminium Busbar	20 x 5 Aluminium Busbar	20 x 5 Aluminium Busbar
Insulation Level	2.5KV rms for 1 minute.	2.5KV rms for 1 minute.	2.5KV rms for 1 minute.	2.5KV rms for 1 minute.
Maximum Permissible over-current	2 times rated current for 5 sec.	2 times rated current for 5 sec.	2 times rated current for 5 sec.	2 times rated current for 5 sec.
Working ambient temperature	0 deg C to 60 deg C.	0 deg C to 60 deg C.	0 deg C to 60 deg C.	0 deg C to 60 deg C.
Temperature Switch	145 deg	145 deg	145 deg	145 deg
Winding Material	Fibre Glass Covered Aluminium strip Class H	Fibre Glass Covered Aluminium strip Class H	Fibre Glass Covered Aluminium strip Class H	Fibre Glass Covered Aluminium strip Class H
Core Material	CRGO	CRGO	CRGO	CRGO
Losses at RT & Rated Current	86 Watts	132 Watts	149 Watts	160 Watts
Treatment	Vacuum Impregnation	Vacuum Impregnation	Vacuum Impregnation	Vacuum Impregnation
Selected Resonance Frequency	189 Hz	189 Hz	189 Hz	189 Hz
Reference ambient temperature for watt loss test and watt losses	35 deg. C	35 deg. C	35 deg. C	35 deg. C
Routine Test	Impd. Measurement at Rated Current, H.V. Test	Impd. Measurement at Rated Current, H.V. Test	Impd. Measurement at Rated Current, H.V. Test	Impd. Measurement at Rated Current, H.V. Test
Noise Level	Less than 61 db.	Less than 61 db.	Less than 61 db.	Less than 61 db.
Overall Dimns (Approx.)	L:270mm, W:170mm, H:240mm	L:270mm, W:190mm, H:300mm	L:300mm, W:220mm, H:330mm	L:330mm, W:250mm, H:350mm
Mounting Dimns	Std. Floor Mounting 180 x 100mm	Std. Floor Mounting 180 x 110mm	Std. Floor Mounting 180 x 130mm	Std. Floor Mounting 180 x 135mm
Weight (approx.)	18 Kgs	26 Kgs	39 Kgs	50 Kgs
Inductance value(mH)	1.652	0.82	0.619	0.413