

Transformer Specification

Quote. Ref. :

Customer :

Project :

Rated power	...KVA.	500
Type of transformer	-	Oil immersed (Hermetically sealed)
MEPS standard	-	Yes
Standard	-	AS/IEC 60076
Cooling System	-	ONAN
		KNAN (FR3 oil high fire point fluid natural air Natural)
		KNAN (Midel oil high fire point fluid natural air Natural)
Material		Aluminium
IP degree of protection		IP65 cable box IEC
Electrical insulation class		A
No. of phase	-	3
Frequency	...Hz.	50
Rate of voltage	: Primary ...V.	11000
	: Secondary ...V.	433 / 250
Vector group	-	Dyn11
Tapping	Type	Off circuit tap changer
	No. of steps	4
	Percentage of tapping	+/- 2 x 2.5 %
Impedance voltage at 75 °C	...%	4.00
No - Load current	...%	1.00
Ambient temperature max	...°C	45
Average Temperature rise of winding	...°C	65
Average Temperature rise of top oil	...°C	60
Noise level not more than	...dB	56
No - Load loss	...Watt	680
Load loss at 75 °C	...Watt	6000
Efficiency at P.F. = 1	: 25% of rate power ...%	99.16
	: 50% of rate power ...%	99.14
	: 75% of rate power ...%	98.93
	: 100% of rate power ...%	98.68
Voltage regulation	: at P.F. = 0.8 ...%	3.28
	: at P.F. = 0.9 ...%	2.79
	: at P.F. = 1 ...%	1.27
Impulse withstand Voltage	: Primary winding ...KV.	75
	: Secondary winding ...KV.	-
Power frequency	: Primary winding ...KV.	28
	: Secondary winding ...KV.	3
Terminal arrangement	H.V. side	Cable
	L.V. side	Cable
Installation on		Platform / Concrete foundation



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Accessories :

H.V. bushing with terminal connector	Included
L.V. bushing with terminal connector	Included
Grounding pad or earth terminal	Included
Lifting lug	Included
Upper filter press connection	Included
Oil drain, filter press sampling valve	Included
Name plate	Included
Skid Base	Included
Mechanical pressure relief device	Included
DMCR relay	Included
Oil level indicator	Included
Testing :	
- Routine test	
Ratio test at each position of tap	Included
Polarity and phase relation test	Included
Resistance measurement	Included
No-load loss and exciting current test	Included
Impedance and load loss test	Included
Applied potential test	Included
Induced potential test	Included
Insulation resistance test	Included
Oil test	Included
NDT test	Included