

## Power transformers

Sr (MVA)	Units	12,5	20	31,5	40	50	63	85	100	Notes
Frequency	(Hz)	50	50	50	50	50	50	50	50	60 Hz frequency can also be provided on request
Phase number		3	3	3	3	3	3	3	3	Single phase can also be provided on request
Rated power	(MVA)	12,5	20	31,5	40	50	63	85	100	Typical rating presented here, however any rating as per requirement can be provided
Rated power of tertiary	(MVA)	-	-	-	-	-	-	85		Tertiary winding can be provided based on requirement
Power absorbed by that portion of the cooling system which is permanently on (normally first stage)	(kW)	0	0	0	0	0	0	0	0	For ONAN rating power absorbed by cooling system is 0. other cooling types can be provided based on requirement.
Rated voltage HV winding	(kV)	33	66	110	110	110	110	145	27	Typical voltages included here, however other voltages based on requirement can be provided
Short-circuit impedance on the rated tap	(%)	8	10	12,5	14	14	14	8/17	9	Typical impedances are included here, however other impedances based on requirement can be provided
PEI	(%)	99,62	99,66	99,69	99,70	99,72	99,72	99,76	99,74	values to 2 decimal places
Power at which PEI occurs	(MVA)	5	7	12	14	17	23	85	100	kPEI x rated power
No-load loss at rated voltage	(kW)	9	12	18	21	24	32	40	46	Typical no load losses are presented here, however any losses meeting the PEI requirements can be provided
Load Loss on the main tapping at rated power	(kW)	62	96	135	175	200	240	238	357	Typical load losses are presented here, however any losses meeting PEI requirements can be provided
Core Material		Hi-B	Hi-B	Hi-B	Hi-B	Hi-B	Hi-B	Hi-B	CGO	
Core mass	(t)	6,5	9	12,5	17	19	23	42	32	Weights are based typical rating data and IEC requirements
Conductor material		Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu	May also be provided with Al, while fulfilling the PEI requirements
Conductor mass	(t)	3	4	7	8	9	9,5	19,5	12,5	Weights are based typical rating data and IEC requirements