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AUSPOWER

your high voltage people

TRANSFORMERS

Auspower's range of transformers from 10KVA to 150MVA at 220KV are designed and manufactured to world and Australian Standards including IEC-76 and AS2374, under an accredited Quality System to ISO9001 to meet heavy industry requirements for mining, industrial, commercial and utilities.

FEATURES:

Designed and manufactured in Australia

- Low loss design
- Long life quality
- Copper windings
- Coal or metaliferous
- Range of voltages
- 1, 3.3kv 415kv in stock
- Skid or wheel based
- Fin wall or radiator type
- Powdercoated or galvanized finish
- Rugged construction
- Rerefined or vegetable based oils
- Winding temperature indication
- Oil temperature indication
- Pressure relief indication
- On-line filtering option
- Cable box or aerial connection

CONSTRUCTION

Time is a major factor in most high voltage projects, our delivery times are some of the shortest in Australia, and our pricing competitive.



Our Transformers feature low losses and long life quality using copper windings. Easun On Load tap Changers are a feature available when ordering. These Tap Changers are reliable and of the highest quality.

OIL FILLED TRANSFORMERS

Standard Fittings:

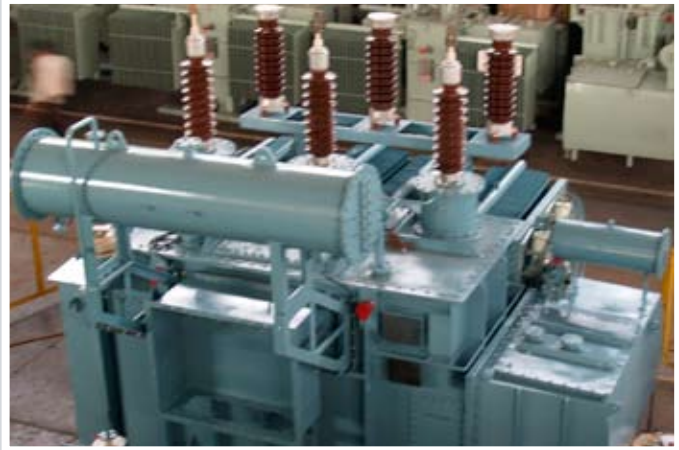
- Lifting lugs
- Ski base/roller arrangement
- Rating and diagram plate
- Primary bushings
- Secondary bushings
- Oil level gauge
- Silica gel breather
- Drain/filter valves
- Thermometer
- Pressure release device/explosion vent

Option Fittings:

- Terminal connectors
- Magnetic level guage
- Oil temperature indicator
- Winding temperature indicator
- Buchholz relay
- RTCC panel
- Condensor type bushing for voltage class of 33kV* & 66kV
- Offcircuit tap swith/onload tap changer
*only provided when customer specified the same.

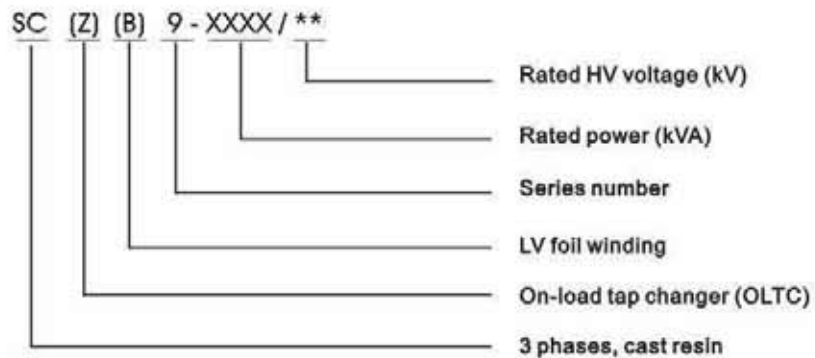
Technical Specification:

Ratings:	Single Phase CRGO: Up to 333kVA Three Phase CRGO: up to 15000 kVA
Applicable Standards:	IS, IEC, AS60076
Cooling:	ONAN, ONAF
Insulating Fluid:	Mineral oil to specification
Frequency:	50Hz, 60 Hz
Vector Group:	As specified
Primary Voltage:	Up to 132,000V
Secondary Voltage:	415 – 33,000V (Other voltages as required)
Winding Material:	Copper
Tapping Range:	Off circuit and on load tap changers as per customer specification
Impedance:	Inline with applicable standards



10kV 160~2500kVA Distribution Transformer

Type:



Applied Standard:

GB/T10228,GB6450,IEC60726, DIN42523

Rated HV: 10 (11,10.5,6.6,6.3,6) kV

Vector Group: Dyn11 or Yyn0

Rated LV: 0.4kV

Insulation Level: LI75AC35/LI0AC3

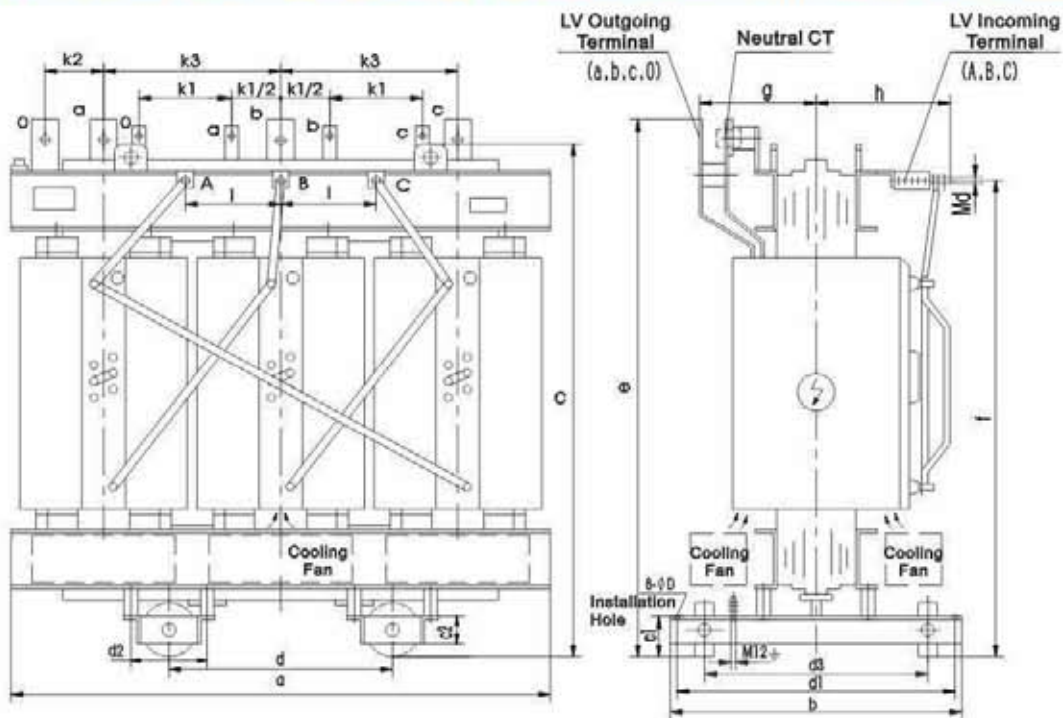
CAST RESIN TRANSFORMERS

Auspower are distributors of high quality cast resin transformers with a range up to 16,000 KVA at 35kV.

Type	Po (w)	Pk (75°C)	Uk %	Io %	Lp dB(A)	Lw dB(A)	Gt kg	Dimension (mm)														LV terminal	
								a	b	c	d	d1	d3	e	f	g	h	i	k1	k2	k3		D
SC9-160/10	550	1970	4	1.2	50	63	840	1150	740	1115	550	690	550	1020	1020	271	373	350	150	-	-	14	(b)
SC9-200/10	625	2330		1.2	50	63	930	1150	740	1135	550	690	550	1040	1040	276	378	350	150	-	-	14	(b)
SC9-250/10	720	2540		1.2	50	63	1110	1200	740	1220	550	690	550	1185	1105	273	382	350	200	-	-	14	(c)
SC9-315/10	880	3200		1.0	52	65	1295	1240	850	1290	660	800	660	1255	1175	286	395	350	200	-	-	14	(c)
SC9-400/10	980	3680		1.0	52	65	1545	1270	850	1340	660	800	660	1345	1225	292	401	350	200	-	-	14	(c)
SC89-500/10	1230	4510		1.0	52	66	1900	1420	850	1400	660	800	660	1395	1285	325	417	350	-	160	455	14	(d)
SC89-630/10	1430	5430		0.8	52	66	2235	1510	850	1460	660	800	660	1452	1345	338	428	350	-	180	485	14	*(e)
SC89-630/10	1150	5600	6	0.8	52	66	2100	1450	850	1530	660	800	660	1522	1415	320	408	350	-	180	465	14	*(e)
SC89-800/10	1520	6430		0.8	52	66	2550	1600	1070	1500	820	1020	820	1492	1385	338	426	350	-	180	515	18	*(e)
SC89-1000/10	1600	7510		0.6	52	66	2900	1600	1070	1630	820	1020	820	1630	1515	338	426	350	-	200	515	18	*(f)
SC89-1250/10	2050	9100		0.6	52	66	3590	1690	1070	1780	820	1020	820	1790	1665	358	436	350	-	220	545	18	*(g)
SC89-1600/10	2500	10910		0.6	52	68	4320	1890	1070	1703	820	1020	820	1693	1568	384	456	350	-	220	610	18	*(h)
SC89-2000/10	3200	13360		0.4	52	68	5250	2070	1070	1740	820	1020	820	1660	1605	416	507	350	-	240	670	18	*(i)
SC89-2500/10	3500	15870		0.4	52	68	5995	2070	1070	1910	820	1020	820	1830	1775	424	507	350	-	240	670	18	*(j)

For transformers with mark * at LV terminal, the connection with two same conducting bars overlapping at two sides of the terminal are recommended for LV side installation.

Overall Dimension Drawing of 10 kV 160~2500kVA Distribution Transformer



1. For HV terminal Md, when capacity $S_n < 2000\text{kVA}$, $Md = M10$; $S_n \geq 2000\text{kVA}$, $Md = M16$.
2. When $S_n \leq 630\text{kVA}$, $c_1 = 120$, $c_2 = 80$, $d_2 = 220$; when $S_n > 630\text{kVA}$, $c_1 = 160$, $c_2 = 80$, $d_2 = 220$.
3. For a transformer with LV foil windings, LV terminals (o, a, b, c) are not symmetric, parameters k2 and k3 are applied for distance between phases; for a transformer with LV wire windings, LV terminals (0, a, b, c) are symmetric, parameter k1 is applied for distance between phases.
4. Dimension of air-forced cooling system (cooling fans) will not exceed the dimension of transformer unit ($a \times b$).

LV Connecting Terminal Drawing

