



**THREE-PHASE CAST RESIN DISTRIBUTION TRANSFORMERS
TECHNICAL SPECIFICATION - 20/0.4KV , BASED ON TAVANIR REQUIREMENTS**

Description

- Acc. To IEC standards;
- Three-phase transformers for indoor use ;
- Step-down type ;
- Rated frequency : 50 Hz ;
- Degree of protection : IP00
- Max ambient Temp : 40°C ;
- Insulation class : F
- Cooling:AN ;
- Operation altitude up to 1000m above sea level;
- Vacuum cast type in HV coil

Selection table series 20 (U_m = 24kV)

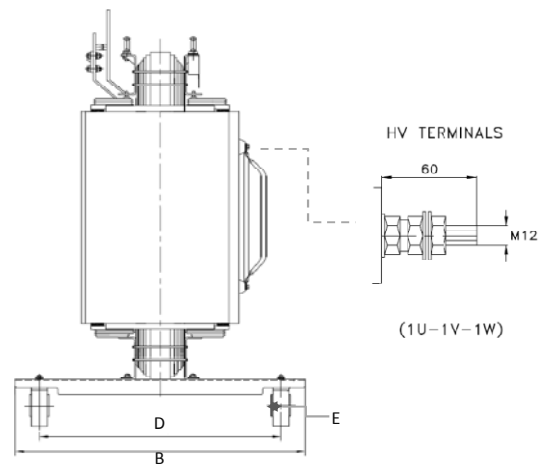
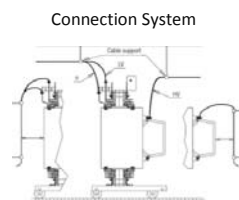
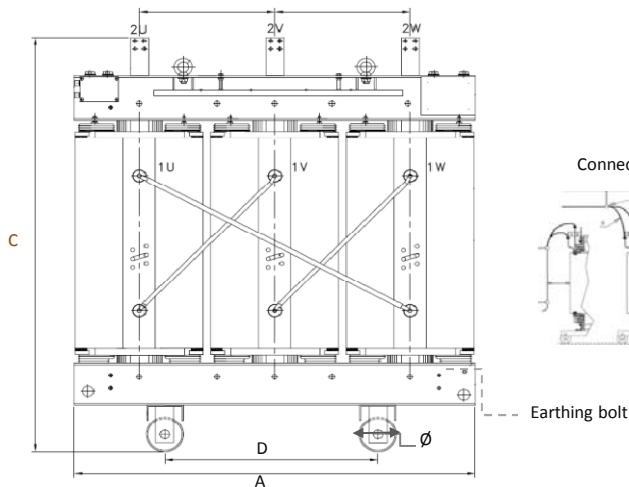
Power (1)	Voltage (1)		Taps in HV side	Vector group	Rated Impedance	Losses			No load current	Sound level	Efficiency at full load P.F.=0.8	Total Weight	Overall dimensions			Wheels interval	Wheel diameter	Wheels width
	HV	LV				No-load	Load at 75°	Load at 120°					A	B	C			
[kVA]	[kV]	[V]	[%]		[%]	[W]	[W]	[W]	I ₀ %	[d B]	[%]	[kg]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
200	20	400	±2*2.5	Dyn5	6	850	2500	2800	1.8	52	97.7	1180	1400	690	1400	520	125	40
250	20	400	±2*2.5	Dyn5	6	950	3100	3400	1.8	54	97.7	1225	1400	690	1420	520	125	40
315	20	400	±2*2.5	Dyn5	6	1100	3900	4300	1.7	55	97.7	1390	1430	850	1520	670	150	50
400	20	400	±2*2.5	Dyn5	6	1250	4800	5400	1.6	56	97.7	1505	1450	850	1545	670	150	50
500	20	400	±2*2.5	Dyn5	6	1400	5700	6500	1.6	56	97.8	1720	1480	850	1720	670	150	50
630	20	400	±2*2.5	Dyn5	6	1700	8000	9100	1.6	57	97.8	1920	1540	850	1765	670	150	50
800	20	400	±2*2.5	Dyn5	6	2000	8200	9200	1.6	58	98.1	2340	1650	850	1795	670	150	50
1000	20	400	±2*2.5	Dyn5	6	2400	9800	11000	1.5	59	98.2	2905	1740	1030	2080	820	200	65
1250	20	400	±2*2.5	Dyn5	6	2700	11400	12700	1.4	61	98.3	3270	1760	1030	2170	820	200	65
1600	20	400	±2*2.5	Dyn5	6	3500	13000	14600	1.4	62	98.5	3820	1830	1030	2240	820	200	65
2000	20	400	±2*2.5	Dyn5	6	4300	14900	17000	1.3	64	98.5	4995	2070	1285	2275	1070	200	65
2500	20	400	±2*2.5	Dyn5	6	5000	18200	20000	1.3	66	98.5	5875	2130	1285	2365	1070	200	65

(1) Others is available according to request.

Standard Accessories
Temperature monitoring unit
PT-100 sensor
wheels
Name plate
Earthing bolt
Bimetal sheets

Temperature Monitoring Unit

Cast resin transformer protection system consists of a single sensor in each LV winding, and a digital monitoring unit with alarm and trip contacts.



For other electrical characteristics, dimensions and weights, please consult us. Ask for confirmation of the information given in this publication. The present document will bind us only after confirmation from Marketing & sales department. All rights reserved, Zangan Distribution Transformer Co, 2015. www.tzco.com Document Number.940304