

DRY TYPE TRANSFORMERS



COMPANY PROFILE

- European manufacturer of dry type transformers.
- + 30 years-experience.
- + 30.000 units designed, manufactured and tested.
- + 20.000 square meters of new industrial premises.
- Large scope of supply, from 25 kVA to 25 MVA and up to 52 kV insulation level.
- Insulation class F & H
- 3 product lines covering MV transformers both cast resin and VPI technology, LV transformers and chokes & reactors.
- Distribution and special transformers, with standard accessories or special ones.

ADALI MAKINE İNŞAT TAAHHÜT SANAYİ TİCARET LİMİTED ŞİRKETİ

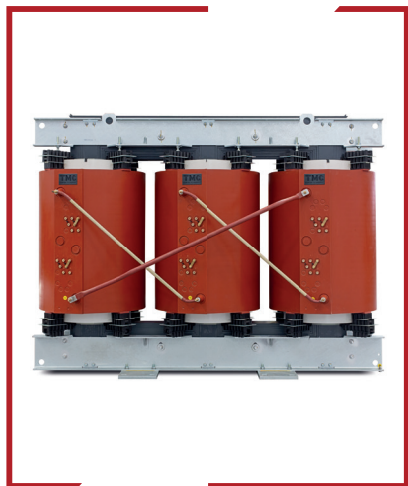
Adali Makine İnşat Taahhüt Sanayi Ticaret Limited Şirketi is the leading LV/MV product & equipment supplier serving re-sellers, contractors, panel builders and end users in Turkey and in the neighboring region. It also undertakes electrical engineering projects for universities, hospitals, office and residential buildings.

DRY TYPE TRANSFORMERS

TURKEY

Power kVA	Insulation Class	Losses		Io %	Lpa/Lwa (db(a))	Lenght mm	Width mm	Height mm	Roller Pitch mm	Weight Kg
		P0 W	Pk 120° W							
160	36 kV	960	2700	2,0	53 / 66	1650	600	1470	520	1370
250	36 kV	1280	3800	1,9	53 / 67	1670	600	1680	520	1600
400	36 kV	1650	5400	1,6	55 / 69	1700	750	1790	670	1950
630	36 kV	2200	7500	1,5	56 / 71	1750	850	2010	670	2550
800	36 kV	2600	9000	1,2	57 / 72	1780	850	2050	670	2900
1000	36 kV	2800	11000	0,9	58 / 73	1800	1000	2075	820	3200
1250	36 kV	3300	13000	1,0	60 / 75	1980	1000	2250	820	4000
1600	36 kV	3800	15500	0,8	61 / 76	2000	1000	2320	820	4400
2000	36 kV	4900	17000	0,8	62 / 78	2100	1310	2450	1070	5150
2500	36 kV	5500	22000	0,8	65 / 81	2200	1310	2600	1070	6100
3150	36 kV	6500	23500	0,7	67 / 83	2370	1310	2700	1070	7700

TECHNICAL DATA



Voltage [kV]	33	0,4
Insulation level [kV]	36	1,1
Power Frequency Withstand [kV]	70	3
Basic Impulse Level [kV]	170	-
Uk [%]	6	

Installation	Indoors	
Application	Distribution	
Cooling	Air natural (AN)	
Frequency	50 Hz	
Vector group	Dyn11	

Windings material	Aluminium	
Windings HV / LV	Encapsulated / VPI	
Temperature class	F	
Temperature rise	100 K	
Tolerances	Acc. to IEC60076-11	
Classes	E2, C2, F1	

STANDARD ACCESSORIES

- Primary voltage tapplings, no load $\pm 2 \times 1,5$ kV
- 4 bi-directional rollers
- 2 lifting and pulling eyes
- 4 earthing terminals
- 3 Pt100 sensors
- 1 temperature monitoring control device
- 1 rating plate
- Set of fans for air forced cooling: Optional

MAIN APPLICATION

Delivering transformers for:

- buildings & infrastructure
- power generation
- renewables energies (wind, solar)
- industry
- mining
- marine and offshore
- railways
- data centers

MAIN ADVANTAGES OF TMC DRY TYPE TRANSFORMERS:

Safety for people and property:

- No fire hazard.
- Non-flammable and self-extinguishing.

Ecological and environmental safe:

- Able to be installed closer to the point of consumption, reducing load cable losses.
- No risk for leakage of insulation fluids, no ground or water contamination.

Virtually maintenance free.

Easy and fast installation: Few civil work needed

Sudden load change adaptability.

- Good behavior in case of sudden load change due to low mechanical stresses.
- High short-circuit current strength, thanks to the casting technology.

Reliability and quality:

- Well suited for damp or polluted areas.
- High capacity to support overloads.
- High performance in case of seismic events.
- Withstands the most severe rolling and vibrating conditions.