



## PAD MOUNTED TRANSFORMERS

Pad-mounted transformers, are used in underground distribution systems and are commonly applied in residential, commercial, and industrial environments. Rymel transformers are recognized for their high level of safety and reliability, incorporating built-in connection, protection, and switching elements. They are available in both single-phase and three-phase configurations.

For enhanced safety, these transformers feature high-voltage dead-front type terminals and are housed in cabinets with sealed compartments, equipped with doors and locking mechanisms on both the high-voltage and low-voltage sides. Manufactured using high-quality materials and certified production processes, Rymel pad-mounted transformers comply with applicable IEEE and NTC standards.



### PROTECTION AND SWITCHING ELEMENTS

- Removable and interchangeable Bay-O-Net type fuses provide protection against extreme overloads and external short circuits in the secondary network.
- Built-in current-limiting fuses protect the primary network from high-current faults within the windings.
- DPS or elbow-type surge arresters safeguard the equipment against network-induced overvoltages.
- A load-break switching device enables safe switching operations under load.



## FEATURES

TECHNICAL CHARACTERISTICS		
	ONE PHASE	THREE PHASES
<b>CAPACITY</b>	From 25 kVA up to 500 kVA	From 30 kVA up to 5000 kVA
<b>PHASES</b>	1	3
<b>VOLTAGE</b>	Single-Dual Voltage - Up to 36 kV	
<b>BIL</b>	Up to 200 kV	
<b>WINDING MATERIAL</b>	Aluminum or copper	
<b>COOLING CLASS</b>	ONAN - KNAN	ONAN - KNAN - ONAF - KNAF
<b>FREQUENCY</b>	60 - 50 Hz	
<b>TAP CHANGER</b>	± 2, 2.5% or according to customer requirements.	
<b>TYPE</b>	Radial or Loop Feed	
<b>TEMPERATURE RAISE</b>	Typically 65/65°C, or according to customer requirements.	
<b>K FACTOR</b>	Up to K20 or according to customer requirements.	
<b>TYPE OF EFFICIENCY</b>	According to DOE 2016	
<b>TYPE OF INSULATION</b>	Mineral or Biodegradable	
<b>TANK MATERIAL</b>	Cold rolled Steel   Hot rolled steel   stainless steel.	
<b>PAINT SYSTEM</b>	2 layer electrostatic paint	
<b>GASKETS</b>	Nitril	
<b>ACCESSORIES</b>	Dead-Front / Live-Front type high-voltage bushings Low voltage bushings (porcelain, stud) Parking stands Pressure relief valve Pressure relief device Oil level gauge Drain valve with sampling device Ground provision Lifting and fixing devices Nameplate made of high strength anodized aluminum Tap changer High and low voltage cabinets with doors and locks Bay-o-net fuse and oil-immersed current limiting fuse * Additional requested accessories can be integrated into the transformer.	
<b>STANDARD</b>	IEEE C57.12.38, IEEE C57.12.28, IEEE C57.12.29	IEEE C57.12.34, IEEE C57.12.28, IEEE C57.12.29

