



Main

Product range	Trihal
Product or component type	Dry type transformer
Network type	AC
Type of installation	Indoor
Maximum altitude	< 1000 m
Cooling mode	AN (air natural)
Winding material	Aluminium
Insulation material	Cast resin (HV) Pre-impregnated (LV)
Degree of protection	IP31 enclosure GOST
Mounting mode	Fixed

Complementary

Phase	3 phases
Rated power	630 kVA
Rated frequency	50 Hz
Rated primary voltage	6 kV
Secondary voltage (at no-load)	No load: 400 V
Rated insulation level	Primary circuit: 28 kV AC Secondary circuit: 10 kV AC
Insulation voltage to industrial frequency (50 Hz 1 mn)	12 kV AC primary 1.1 kV AC secondary
Lighting impulse withstand voltage (BIL) , 1.2/50 µs	75 kV
Vector group	Dyn11
HV tapplings (off circuit)	+/- 2 x 2.5 %
Short circuit impedance	6 %
No-load losses	1370 W
Load losses at 75°C/120 °C	7600 W at 120 °C
Temperature rise of windings	100 K (winding)
Thermal class	F

Sound power level	70 dB at 1 m
Protective relay	6.0 PTC relay 1.0 Ziehl relay
Height	1900 mm
Width	1020 mm
Length	1700 mm
Total weight	1688 kg

Environment

Ambient air temperature for operation	-40...40 °C for C4
Ambient air temperature for storage	-50...40 °C C4
Environmental certification	0...95 % (E4)
Fire certificate	F1
Standards	IEC 60076-11:2018

Packing Units

Package 1 Weight	2436.000 kg
Package 1 Height	240.000 cm
Package 1 width	117.000 cm
Package 1 Length	200.000 cm

