



### Main

Product range	Trihal
Product or component type	Dry type transformer
Network type	AC
Type of installation	Indoor
Maximum altitude	< 2600 m
Cooling mode	AN (air natural)
Winding material	Aluminium
Insulation material	Cast resin (HV) Pre-impregnated (LV)
Degree of protection	IP31 enclosure IEC 60076-11
Mounting mode	Fixed Withdrawable

### Complementary

Phase	3 phases
Rated power	2000 kVA
Rated frequency	60 Hz
Rated primary voltage	23 kV
Secondary voltage ( at no-load)	No load: 480Y/277 V
Rated insulation level	Primary circuit: 50 kV AC Secondary circuit: 10 kV AC
Insulation voltage to industrial frequency ( 50 Hz 1 mn)	24 kV primary 1.1 kV secondary
Lighting impulse withstand voltage ( BIL ) , 1.2/50 µs	125 kV for primary circuit
Vector group	Dyn11
HV tapings (off circuit)	+/- 2 x 2.5 %
Short circuit impedance	6 %
No-load losses	2700 W
Load losses at 75°C/120 °C	11000 W at 120 °C
Temperature rise of windings	100 K (winding)
Thermal class	F

Sound power level	62 dB at 1 m
Protective relay	temperature control relays
Height	2459 mm +/- 2 %
Width	1830 mm +/- 2 %
Length	3016 mm (+/- 2 %)
Total weight	3555 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
Corrosion category	C3

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	3555 kg
Package 1 Height	2459 mm
Package 1 width	1830 mm
Package 1 Length	3016 mm

