

Technical Specification - Item 1 to quote QT-24-00992486 Revision 4

Transformer characteristics / electrical data and accessories

Dry - Standard RESIBLOC®

Active part

Rated Power	[kVA]	1600
Primary voltage	[V]	33000
Primary tapplings at no load		+/-2 x 2,50%
Secondary Voltage at no load	[V]	400
Primary insulation level	[kV]	Um 36 / AC 70 / Li 170
Secondary insulation level	[kV]	Um 1.1 / AC 3 / Li 0
Frequency	[Hz]	50
Number Of Phases		3
Vector Group		Dyn5
Ambient temperature max./monthly/annual average	[°C]	40 / 30 / 20
Max. average temperature rise (HV/LV)	[K/K]	100 / 100
Environmental, climatic, fire		E2, C2, F1
Temperature class (HV/LV)		F / F

Winding material

Conductor material	HV	AL
Conductor material	LV	AL

Performance values (based on pure sinusoidal load under rated performance conditions)

Standard			IEC60076-11:2018
Eco Efficiency	Requirement		According to TIER 2 of EN50708-1:2020
Impedance	(HV-LV)	[%]	6,00 (+/- 10%)
No load losses		[W]	2277 (+ 0%)
Load losses	at 120°C	[W]	14300 (+ 0%)
Total losses		[W]	16577 (+ 0%)

Sound level

Sound power level Lwa (under no load condition)	[dB(A)]	67
-------------------------------------------------	---------	----

Harmonics

Earthing screen HV/LV

Tappings

Off-load tapplings reconnectable by bolted links

Environment information

Altitude	(a.s.l.)	[m]	<1000
Location			Indoor

Cooling

Cooling class	AN
---------------	----

Protection class

Protection class	IP00
------------------	------

Preliminary dimensions and weight

Length	[mm]	2000
Width	[mm]	1500
Height	[mm]	2500
Weight	[kg]	5800

Customer connections

HV-Terminals placed on the surface of the windings

LV- Terminals placed above the windings

Steel parts

Core clamps with lifting possibilities

- Painting System: C2

- Painting color: acc. to manufacturer standard

Transformer base

Bi-directional rollers
Pulling lugs

Monitoring

PT 100 temperature 3-wire sensor (1 pc(s). per limb)
- wired to terminal strip
TR 250 temperature monitoring device (1 pc(s).)
- mounted

Marking

Rating Plate with technical data acc. To applicable
standard (1 pc(s).)
- Language: German
- Material: Adhesive

Documentation

Documentation acc. to manufacturer standard
- Language: German

Comments and Exceptions

1) optional: TVP