

Issued

Ahmed El-Gawad

General Specification

Transformer Type

Project No:

Customer:

Rev.

0

Standard

Oil type

Phase

Installation **Expansion Method**

Frequency Vector group

Winding Rated Power

Connections

No load loss

Load loss

Total loss

Length Width

Height

Notes

Oil Weight

Total Weight

Accessories:

Impedance

Conductor Material

Type of cooling

Altitude (below -) Insulation class

Ambient Temperature (Max)

Rated Voltage @ No load

Maximum system Voltage

Average Oil Temperature rise

Average Winding Temperature rise

BIL (Basic Impulse Withstand Level)

Power Frequency withstand Level

Tapping (Off circuit tap changer)

Guaranteed Performance Data

Preliminarily Dimensions, approximately

- Bi-directional roller-(Diameter, C-C):

Dial Type Thermometer without contact

Pressure Relief Valve without contact ,T10

Tests: Routine tests according IEC standard.

Vertical OIL Level Indicator without contact, KSSD

High Voltage Bushing :

- Low Voltage Bushing:

Rating plate, Lifting Lug, Drain Plug, Tanking Earth, Off-Load Tap Changer

 Other accessories which are not mentioned in the above statements are not included. Cable connection and termination materials are not included. (e.g. cable lug, flexible bus bar)

The tolerances for all guaranteed values are subject to IEC standard.

Project Name:

Transformer technical data sheet

TOA-160-24XDSQ-02

Secondary

160 410

1.1

3

WYE

AL

(+15% Tolerance)

(+15% Tolerance)

(+10% Tolerance)

(±10% Tolerance)

(±10% allowance)

(±10% allowance)

(±10% allowance)

(±10% allowance)

(±10% allowance)

Carbon Steel

RAL7033,80-120µm, C4

IP00

Top

Secondary

via Cable

Painting: Electrostatic painting

Customer termination:

Tank:

Color:

Primary

Type via Cable

Terminals IP IP00

Position Top

Distribution

EGTRA/TEC/01/Q-1 10th RAMADAN CITY - EGYPT

Date

8/22/2022

Issue

Approved

Ashraf Mobarak

ABB Design No:

Customer Spec .:

IEC60076 Outdoor

[Hz] 50

[m] 1000

[°C] 40

[K]

[kVA]

[V]

[kV]

[kV]

[kV]

[W] 540

[W] 2830

[W] 3370

[mm] 1010

[mm] 530

[mm] 1530

[kg] 160

[kg] 710

[%] 4

at Nominal Tap, 75@°C

0/520

Porcelain Bushing DT20NF250

Porcelain Bushing DT1/250

- If no other standards or rules are specified, transformers are manufactured according to IEC standard.

[K] 60

65

Dyn11 ONAN

Refer. Quotation No:

Oil Immersed Transformer-

Hermetically Sealed

Oil - Mineral - General

Primary

160

15000

17.5

95

38 +2x2.5%-2x2.5%

DELTA

AL

Description