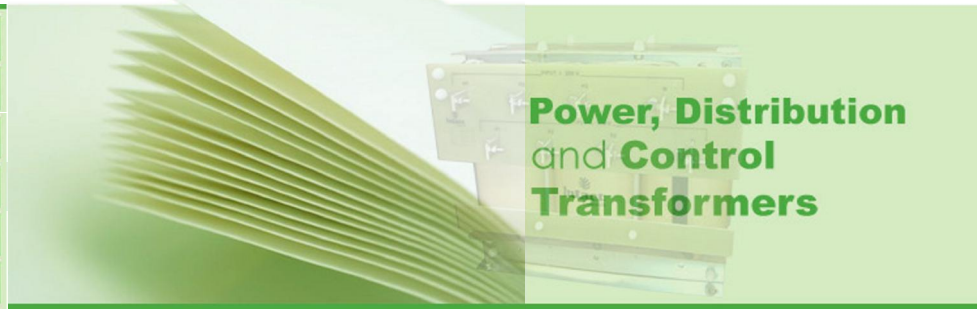




- ABOUT US
- PRODUCTS
- DATA SHEET
- WIRING DIAGRAMS
- USER GUIDELINES
- CONTACT US



## FEATURES

Ranges: 50VA through 10MVA

Dry, Oil immersed and cast resin type transformers

Computer aided design

Imported high quality materials

State of art technology

Highly trained work force

Dedicated sales and service team

### Intact Controls Transformer Industries L.L.C

**UAE**  
Sharjah, P.O Box 62382  
Tel: +971-6-536 0991  
Fax: +971-6-536 0992  
**Dubai**, P.O Box 237821  
Tel: +971-4-258 6705  
Fax: +971-4-258 6506  
UAE Mobile : +971-50-737 4255

**KSA**  
Riyadh, Al Sulay Ind. Area  
Tel: +966-11 -242 6677  
Fax: +966-11 -242 6688  
Saudi Mobile : +966-56-234 0980

## DATASHEET

### Three Phase Transformers Dry Type

Power	Input	Output	Frequency
25VA to 2500 KVA	From 110V to 690V	From 12V to 690V	50/60Hz

#### Specifications:

- Open type continuous duty
- Insulation class F & H
- Double Wound Copper Wiring
- Natural Air cooled, dry type
- Vacuum Impregnated
- Maximum temperature rise 115 deg C to 50 deg ambient
- Connections on terminal blocks upto 40 Amps
- Connection on Copper bolts above 40 ampere load
- Cold rolled grain oriented laminations. 0.23 & 0.27 mm
- Efficiency 95% to 99%
- Vector graphs Dynll, Dynl, Ddo, Dyl, Yz1, Yd11 Yz11, YyO, Ddo, Dzo, Yy6, Dd6, Dz6, Dy7, Dy5
- Flux density (Bm)=95 kilo liner/sq inch
- Enclosure: IP-23, IP-44, IP-55 in metal enclosure powder coated RAL 7032
- Standard voltages :  
12/24/48/110/120/127/220/230/240/380/400/415/440/460/480/500/600/660/690 Volts
- Voltage regulations : 3%
- Short Circuit Voltage : 4.5%



### Sample Technical Data Sheet for LV/LV Transformer

#### Technical Data

Manufacturer  
Model Number

#### General Data

- 1 Type
- 2 Standard, Codes
- 3 Supply / Technical Specification

#### Environmental Conditions

- 1 Place of installation( Indoor/Outdoor/ Under Shelter)
- 2 Altitude
- 3 Max. ambient tempereure
- 4 Relative humidity
- 5 Special Conditions
- 6 Tropicalisation
- 7 Environmental , climatic fire class
- 8 Duty( Continous / Intermittant)
- 9 Degree of protection
- 10 Climatic Environmental Class

#### General Characteristics

- 1 Rated Power(KVA)
- 2 Rated Primary Voltage
- 3 Rated Secondary Voltage at no load
- 4 Secondary Voltage at rated power at 0.8PF
- 5 Rated Frequency
- 6 Number Phases
- 7 Vector Group

#### Type of Transformer

- 1 With Separate Transformer

#### Design Data

Intact Controls  
IT3-250KE

Dry type  
IEC/EN  
AF-000-ES-0005

Indoor  
Sea level  
Max.40 Deg.C  
91%  
Presence of high salt content  
& vessal Vibration/ Inclination  
Yes  
AF-000-ZZ-001  
Continuous  
IP-23  
C2/E2

250KVA  
440V  
250V  
230V  
50Hz  
3  
Dy11

Yes

2	Auto-transformer	No
<b>Insulation Systems</b>		
1	Class of Insulation	F
2	HV winding	Class H insulation & Class B Temp. rise
3	LV winding	Class H insulation & Class B Temp. rise
4	Uniform Insulation	NA
5	Oil Immersed Transformers	NA
6	Oil type	NA
7	Fire resistance class	F1
<b>Sealed Type</b>		<b>Design Data</b>
1	Hermetically Sealed	NA
2	With Gas Cushion	NA
3	With Conservator	NA
4	Diaphragm	NA
<b>Dry Type</b>		
1	Impregnated type	230V winding / impregnated
2	Cast resin( Encapsulated ) type resin	440V winding / Epoxy Cast
3	Type of cooling( ONAN, ONAF,AN,AF)	NA
<b>Mode of Operation</b>		
1	Individual	No
2	Parallel	Yes
<b>Primary Winding</b>		
1	Highest Voltage	1.1/3KV
2	Primary Insulation	12KV
3	Copper	Yes
4	Aluminium	No
<b>Secondary Winding</b>		
1	Highest Voltage	1.1/3KV
2	Secondary Insulation	1.11KV
3	Copper	Yes
4	Aluminium	No
5	Neutral broughtout	No
6	Method of system earthing	Unearthed
<b>Electrical &amp; Mechanical Characteristics</b>		
1	No load current ( Primary)	0.8% In
2	No load Loss	4600W
3	Load Loss at 75 Deg.C	17000W
4	Load Loss at 120 Deg.C	19000W
5	Short Circuit Voltage	6%
6	Efficiency with power factor 1 @4/4 of load	99.01
7	Efficiency with power factor 0.8 @3/4 of load	98.76
8	Efficiency with power factor 1 @4/4 of load	99.14
9	Efficiency with power factor 0.8 @3/4 of load	98.93
<b>Dimensions (mm) &amp; Weight:</b>		
Width : 2000 Height : 2200 Depth : 1010, Weight: 5070Kg.		
Wheel Axle base : 820 Bolt Size : 17		

Copyright 2008. Intact Transformers Sharjah UAE. All rights reserved.