

ABB 1LES100020-ZD transformers datasheet

<http://www.manuallib.com/abb/1les100020-zd-transformers-datasheet.html>

The TriDry dry-type transformer's triangular footprint revolutionizes transformer technology. The advantages of the design include: its symmetrical construction inherently reduces no-load losses, space requirements, weight, noise, inrush current, harmonic content and stray magnetic fields.

ManualLib.com collects and classifies the global product instruction manuals to help users access anytime and anywhere, helping users make better use of products.

<http://www.manuallib.com>

Technical data TriDry dry-type transformers

Compact – efficient – safe

The TriDry dry-type transformer's triangular footprint revolutionizes transformer technology. The advantages of the design include: its symmetrical construction inherently reduces no-load losses, space requirements, weight, noise, inrush current, harmonic content and stray magnetic fields.



Power and productivity
for a better world™



Our approach

TriDry transformers can be obtained as standardized and individualized transformers.

The standardized solution is available within two weeks for the following ratings:

Highest voltage for equipment (U_m) 12 kV

Prim./Sec. voltage*	Rating [kVA]	Iz [%]	No-load loss** B _o [W]	Load loss** B _k [W]	Sound power LwA [dBA]	Width [mm]	Depth [mm]	Height [mm]	Weight [kg]
10/0.4 kV or 11/0.42 kV +/-2*2.5%	400	4	880	4,900	60	1,200	1,270	1,490	1,450
	630	6	1,150	7,300	62	1,290	1,400	1,480	1,880
	800	6	1,300	9,000	65	1,350	1,430	1,660	2,150
	1,000	6	1,500	10,000	67	1,410	1,630	1,770	2,530

Highest voltage for equipment (U_m) 24 kV

Prim./Sec. voltage*	Rating [kVA]	Iz [%]	No-load loss** B _o [W]	Load loss** B _k [W]	Sound power LwA [dBA]	Width [mm]	Depth [mm]	Height [mm]	Weight [kg]
20/0.4 kV or 22/0.42 kV +/-2*2.5%	400	4	970	4,900	60	980	1,410	1,680	1,500
	630	6	1,250	7,600	62	1,070	1,450	1,690	1,700
	800	6	1,500	9,400	64	1,030	1,430	1,920	1,900
	1,000	6	1,800	11,000	65	1,110	1,480	1,960	2,300

* The high voltage coil has 7 taps, e.g. the voltage ratio 10/0.4 kV or 11/0.42 kV is chosen by the tap setting.

** Loss values according to EN 50541-1, B_o und B_k.

The individualized transformers are manufactured on customer's request and therefore have usual delivery time. They are available for ratings up to 2,500 kVA and 24 kV voltage class. TriDry transformers are designed and manufactured according to IEC 60076-11.

TriDry transformers: customer's main benefits at first sight

- Compact: different and more compact footprint, less weight and length
- Efficient: 20-30 % lower no-load losses at same material usage, or up to 20-30 % lighter for certain efficiencies
- Safe: all the advantages of dry-type insulation in a robust and symmetrical package
- Short delivery times: most of the common ratings in stock thanks to standardization

For more information please contact:

ABB Ltd.

Affolternstrasse 44
P.O. Box 8131
CH-8050 Zurich, Switzerland

www.abb.com/transformers

Note:

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB AG does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents - in whole or in parts - is forbidden without prior written consent of ABB AG.

Copyright© 2012 ABB
All rights reserved

Power and productivity
for a better world™

