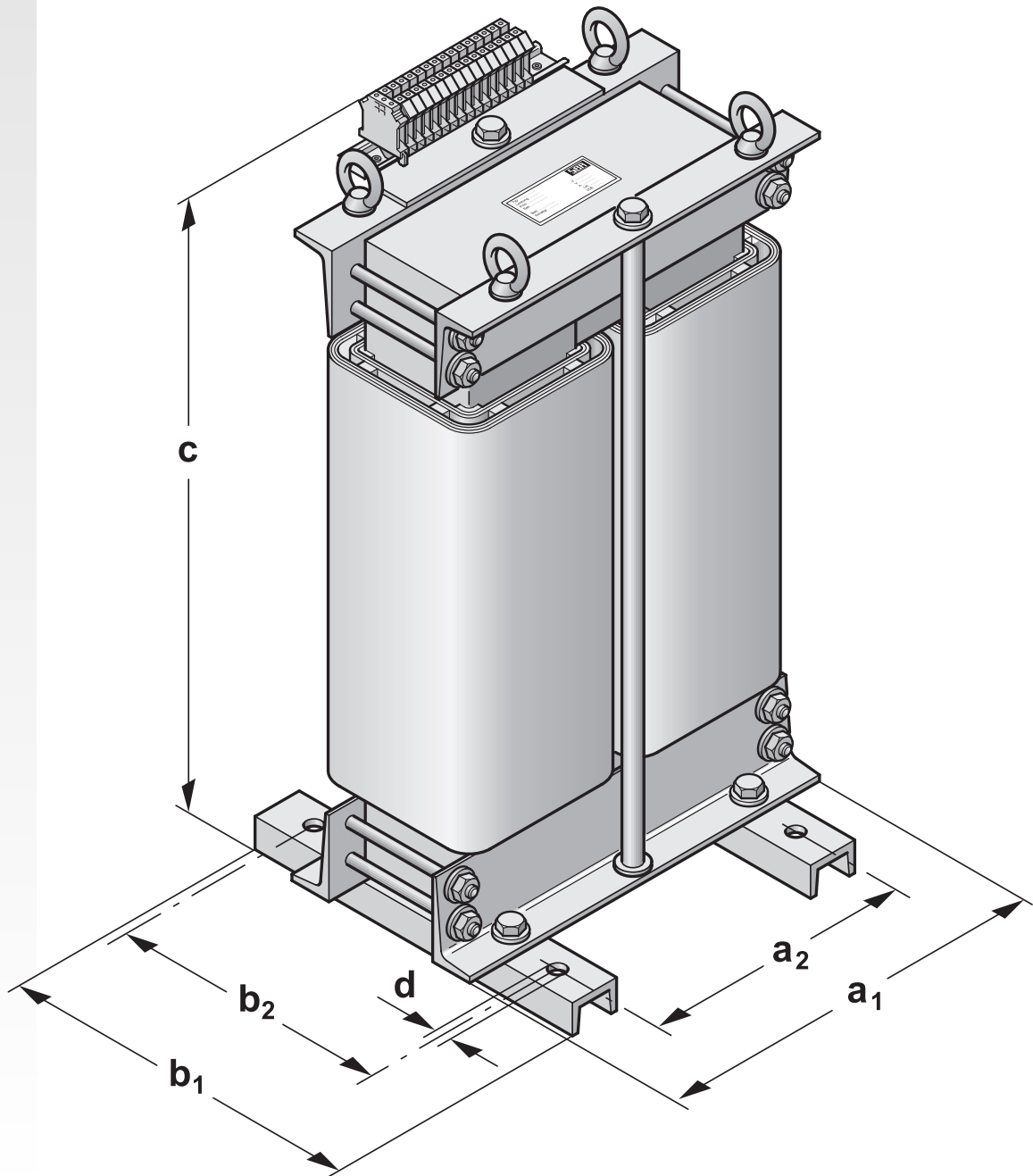


Type UTS

Single-phase power transformers up to 40 kVA to VDE 0570-2-1 / EN 61558-2-1
from 40 kVA to VDE 0532

Application

To supply electrical consumers with higher power consumption, e.g. furnaces, melting troughs, converter drives, production lines, etc. Customized specification and dimensions ensure optimal application.



TYP A UTS SINGLE-PHASE POWER TRANSFORMERS



Construction

- ➔ Open construction (IP 00, incorporation up to max. IP 23)
- ➔ Separated windings
- ➔ Resting on U-sections
- ➔ Connections to safe-to-touch screw terminals in accordance with VBG 4 with self-releasing clamp (higher current ratings to studs or flat termination with bolt)
- ➔ High-grade, tropicalized vacuum impregnation in black polyester impregnating resin
- ➔ Wear-resistant, heat, UV and solvent resistant nameplate
- ➔ **Special versions** available on request

Specifications

Output range	32 kVA - 160 kVA
Input voltage	max. 750 V
Output voltage	max. 750 V
Output current an	
-Screw terminals	max. 135 A
-Studs	max. 450 A
-Flat termination	max. 2000 A
Frequency	50-60 Hz
Vector group	li0
Protection class	I
Protection index	IP 00
Insulation class	B/F
Ambient temperature	max. 40°C

Overview

Size	Rated output kVA (DB)	Voltage rise in no-load appr. %	Total weight appr. kg	Copper weight appr. kg	a ₁	b ₁	a ₂	Dimensions b ₂ approx.mm	d	c
137	32	2.70	140.0	45.0	380	500	190	450	13	705
139	40	2.09	170.0	53.0	380	500	190	450	13	705
148	50	2.05	215.0	70.0	480	500	240	450	15	810
141	63	1.65	275.0	81.0	480	500	240	450	15	810
142	80	1.40	320.0	88.0	480	500	240	450	15	810
146	100	1.32	380.0	141.0	600	500	300	450	15	870
147	125	1.10	480.0	157.0	600	500	300	450	15	870
145	160	1.07	560.0	165.0	600	500	300	450	15	870

The values in the table above are for the thermal steady state at 40°C ambient temperature.

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