



# UNIVERSAL CONTROL TRANSFORMERS

**CAUS**  
With UL / cUL test label



## Construction

- ➔ Open construction (IP 00, incorporation up to max. IP 23)
- ➔ Separated windings by **double/extra strong** insulation (safe separation)
- ➔ Line-side variable tapping
- ➔ Connection to safe-to-touch screw clamping terminals in accordance with VBG 4 with self-releasing clamp (additional clamp type terminal on request)
- ➔ High-grade, tropicalized vacuum impregnations in black polyester impregnating resin
- ➔ Wear-resistant, heat, UV and solvent resistant nameplate

## Specifications

Output range	160 VA - 5600 VA
Input voltage	200/220/240/360/380/ 400/420/440/460/480/ 500/530/550 V
Output voltage	2 x 115 V for optional series or parallel connection
Frequency	50-60 Hz
Vector group	Ilii0
Protection class	I
Protection index	IP 00
Insulation class	B
Ambient temperature	<b>max. 40° C</b>

## Overview

Art. no.	Rated output cos φ = 1 VA (DB)	Short-time rating cos φ = 0,5 VA	Total weight appr. kg	Copper weight kg	a <sub>1</sub>	b <sub>1</sub>	a <sub>2</sub>	Dimensions b <sub>2</sub> approx. mm	a <sub>3</sub>	b <sub>3</sub>	c
155-0245	160	354	2.3	0.52	96	81	84	64	5.8	9	105
156-0255	200	475	2.8	0.65	96	89	84	73	5.8	9	105
157-0300	250	625	3.6	0.72	96	103	84	87	5.8	9	105
160-0220	320	742	4.2	1.05	120	93	90	74	5.8	12	111
161-0240	400	1035	5.2	1.15	120	101	90	85	5.8	12	111
162-0365	500	1380	6.6	1.40	120	121	90	104	5.8	12	111
163-0260	630	1530	7.7	2.00	150	113	122	90	7	15	132
164-0220	800	2055	9.9	2.35	150	130	122	106	7	15	132
165-0365	1000	2990	13.1	2.50	150	155	122	133	7	15	132
166-0080	1250	2530	13.7	3.80	174	127	135	102	7	15	148
167-0140	1600	3300	17.2	4.20	174	147	135	122	7	15	148
168-0125	2000	4600	20.5	4.50	174	167	135	142	7	15	148
169-0060	2500	6500	26.0	5.50	192	190	155	154	11	18	170
169-0065	3000	6750	26.0	5.50	192	190	155	154	11	18	170
189-0105*	3400	11000	29.0	9.3	283	196	200	174	14	9	170
190-0075*	4800	11200	39.0	15.0	331	236	240	204	14	9	186
190-0080*	5600	13200	38.0	14.0	331	236	240	204	14	9	186

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

\* Other design due to UI cores.

Copyright © 2002-2007 SBA

**SBA-TrafoTech GmbH**  
Winkelleite 14  
91332 Heiligenstadt, Germany  
Telephone +49 (0)9198/8 09-19  
Facsimile +49 (0)9198/8 09-30  
[sales@sba.de](mailto:sales@sba.de)

**SBA-Trafobau Jena GmbH**  
Ilmstraße 18  
07743 Jena, Germany  
Telephone +49 (0)3641/4514-0  
Facsimile +49 (0)3641/4514-30  
[info@sba.de](mailto:info@sba.de)

Internet: [www.sba.de](http://www.sba.de)