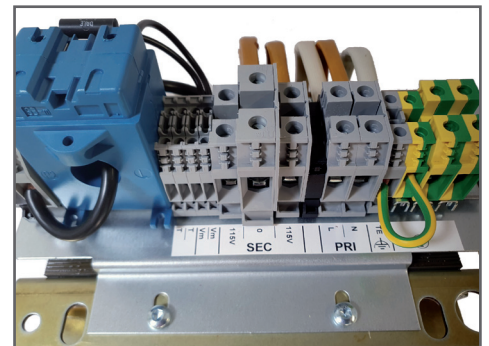
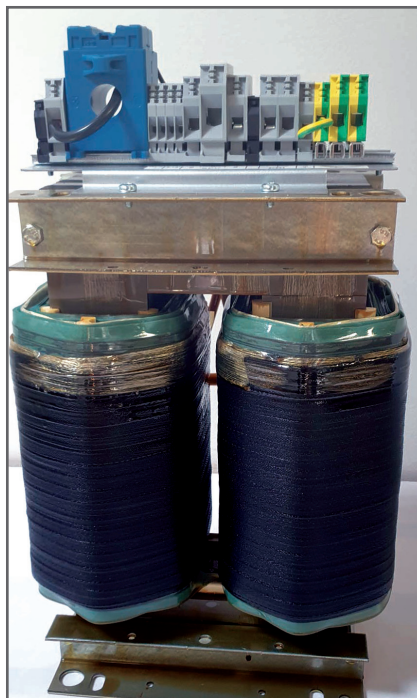


New high quality Trafox Medical Isolation Transformers have a very low inrush current, typically under 3,5x In. Because of this, there is no need for separate inrush peak limiting devices. The primary fuses can be rated lower than with other medical transformers. The installation can be done by wires having a smaller copper cross section. This will increase the total savings in hospital electricity installations. The Trafox Medical Isolation Transformer has also been designed so that the leakage currents and no-load losses are at a low level. These transformers do have also long lifetime design with high temperature class insulations.



NEW!

Standard Medical Transformers

SINGLE PHASE, TYPE KKSA, KKS

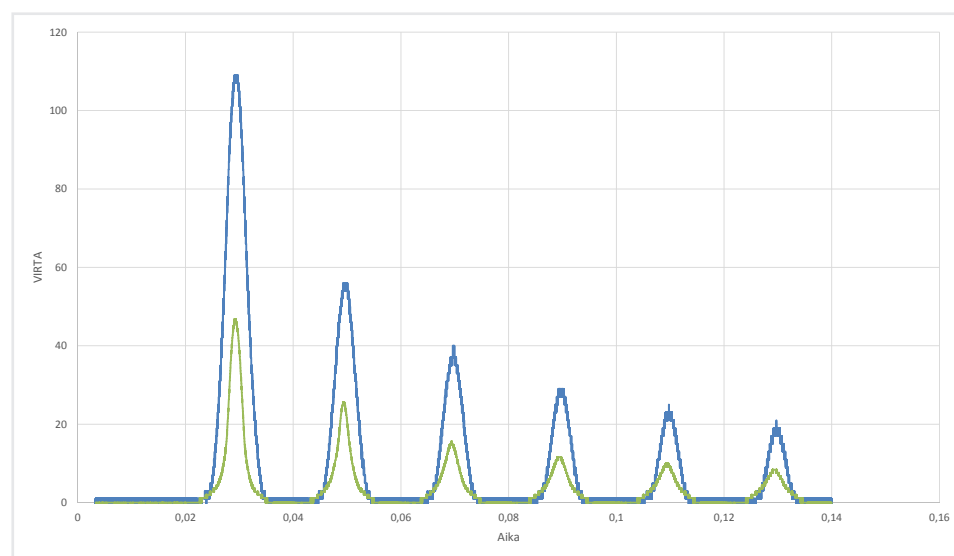




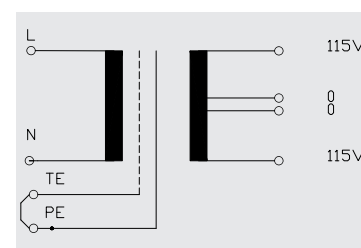
Technical specifications, type KKSA, KKS - Standard serie [Ⓣ]

Medical Transformer KKSA, KKS	4000VA	6300VA	8000VA	10000VA
Rated frequency	50...60Hz	50...60Hz	50...60Hz	50...60Hz
Rated input voltage	230V	230V	230V	230V
Rated input current	18A	28,5A	36A	45A
Rated output voltage	230/115V	230/115V	230/115V	230/115V
Rated output current	17,4A	27,4A	34,8A	43,5A
Max. Inrush current	3,5x In	3,5x In	3,5x In	3,5x In
Primary fuse (slow)	C20A	C32A	C40A	C50A
Leakage current	0,2mA	0,4mA	0,4mA	0,4mA
No load input current Io/%	<3%	<3%	<3%	<3%
Short circuit voltage uk	<4,3%	<3,8%	<4%	<3,7%
Pollution degree	Pd2	Pd2	Pd2	Pd2
Noise level (100% load)	<35dB	<35dB	<35dB	<35dB
Ambient temperature	45°C	45°C	45°C	45°C
Insulation materials temp classs	F	F	F	F
Degree of protection	IP00/IP21	IP00/IP21	IP00/IP21	IP00/IP21
Resistance Rprimary/ mΩ	257,4	151	117,2	86,6
Resistance Rsecondary /mΩ	219,1	94,6	73,5	55,4
Efficiency	95,7 %	95,9 %	96,0 %	96,8 %
Fe losses Po/W	15W	22W	30W	35W
Winding losses pk/W (+70deg C)	170W	237W	290W	301W
Heat dissipation 1	197W	267W	335W	360W
Static shield	Yes	Yes	yes	yes
Input terminals	16mm ²	16mm ²	16mm ²	35mm ²
Output terminals	16mm ²	16mm ²	16mm ²	35mm ²
Standards	IEC/EN 61558-1, IEC/EN 61558-2-15, CE, Rohs, FI			
Protection	NTC temperature sensor and Current transformer			

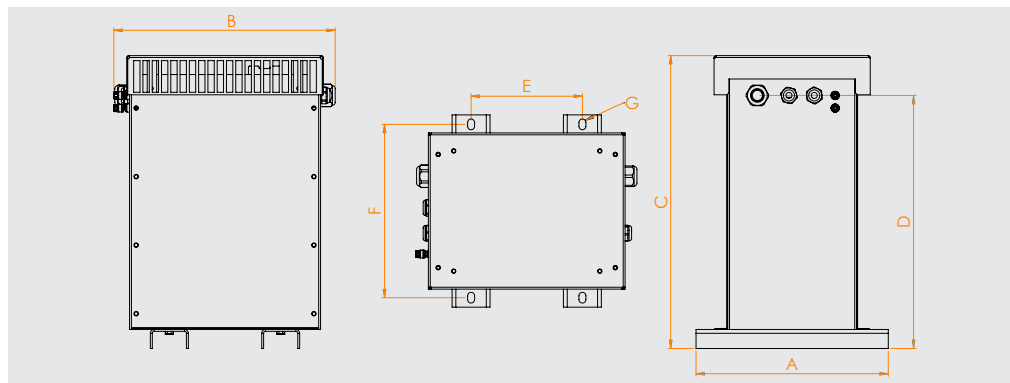
Inrush current peak of the **new** medical transformers vs. **old**



Connection diagram



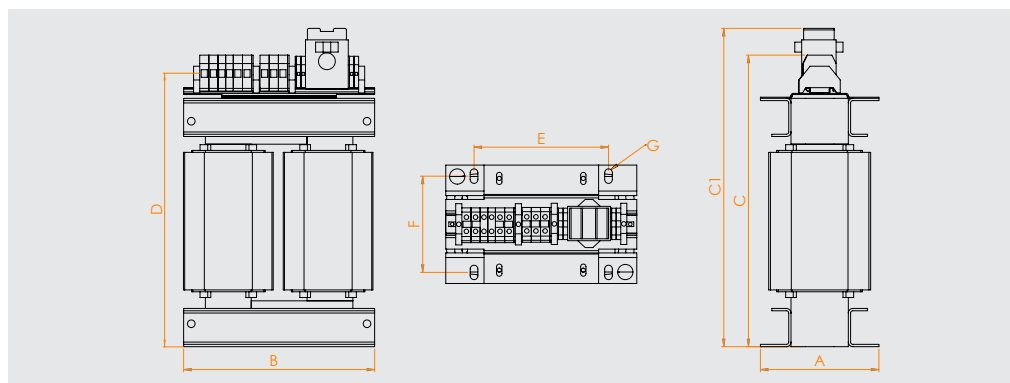
Mechanical specifications KKS



Order code	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	Al kg	Fe kg	Weight [kg]
KKS4000	304	311	463	400	176	274	11x17	7,5	39	51
KKS6300	336	345	532	460	176	310	11x17	11	56	73
KKS8000	336	345	532	460	176	310	11x17	12	63	82
KKS10000	375	435	532	470	196	345	11x17	17	75	101

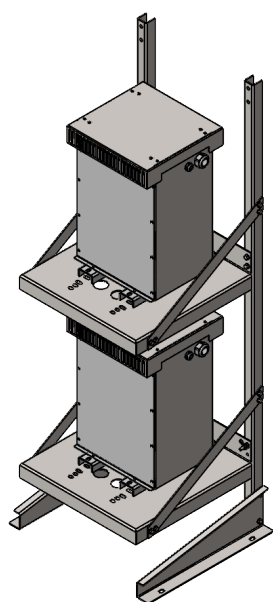
* with current transformer

Mechanical specifications KKSA



Order code	A [mm]	B [mm]	C [mm]	C1* [mm]	D [mm]	E [mm]	F [mm]	G [mm]	Al kg	Fe kg	Weight [kg]
KKSA4000	155	250	388	417	358	176	126	10x19	7,5	31	42
KKSA6300	160	284	465	487	434	176	131	11x20	11,5	45	62
KKSA8000	181	284	465	487	434	176	144	11x20	12	52	70
KKSA10000	202	334	460	482	429	196	156	11x24	17	62	87

* with current transformer



Accessories

Available also shelves for transformers. Please, ask more info: sales@trafox.fi.



NEW Distribution cabinet serie Trafox IPS for Medical IT- systems!

- For hospital operating theatres and intensive care units according medical locations of group 2. Norms: HD60364-7-710, Germany(DIN) VDE0100-710, Finland SF56000-7-710.
- Low loss and low inrush current medical transformers: 4kVA, 6,3kVA, 8kVA and 10kVA
- Monitoring of isolation, temperature, loading, fault location detection, PE conductor continuity..
- Automatic voltage change over switching device
- Remote control
- Ethernet connection
- Fault memory logging

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Trafox is a brand of Muuntosähkö Oy. We develop, manufacture and customise high-quality transformers, chokes, filters and Trafox Superintend® monitoring devices for a large number of applications.

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