Isolating transformers for hospitals

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0 425 71


0 425 94


0 425 81

Conform to standard IEC EN 61558-2-15
The main requirements of this standard, additionally to IEC 61558-2-4, concern:
- secondary/earth leakage current, limited to 0.5 mA off-load
- inrush current, limited to 12 times the peak value of primary current
Electrostatic shield linked to dedicated terminal
Equipped with a temperature monitoring system, and outputs on dedicated terminals

Single-phase

Primary: 230 V∿
Secondary: 230 V∿ with centre tap

Equipped with two temperature monitoring systems (bi-metal strips and thermocouple PT 100), making them compatible with any medical control system

Pack	Cat.Nos			Terminal	
	IP 21	IP 00	Output (kVA)	primary flexible cable (mm²)	secondary flexible cable (mm²)
1	0 425 71	0 425 91	2.5	16	16
1	0 425 72	0 425 92	4	16	16
1	0 425 73	0 425 93	5	35	35
1	0 425 74	0 425 94	6.3	35	35
1	1 425 75	0 425 95	8	35	35
1	1 425 76	0 425 96	10	35	35

3-phase

Primary: 400 V∿ ⅄ + N
Secondary: 230 V∿ ⅄ + N

Equipped with a temperature monitoring system (bi-metal strips) for connection to a control system (optical, acoustic, etc...)

Pack	Cat.Nos	Terminal	
	IP 21	Output (kVA)	primary flexible cable (mm²)	secondary flexible cable (mm²)
1	0 425 81	4	10	10
1	0 425 83	6.3	10	16
1	0 425 84	8	16	35
1	0 425 85	10	16	35

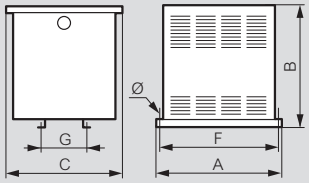
IEC EN 61558-2-15 transformer with 400 V single-phase primary,
Please, consult us

Protection equipment for IEC EN 61558-2-15 power supply lines,
see e-catalogue

Characteristics IP 21 range

Class I - IP 21 - IK 08 (enclosed)
Insulation:
- class B for 2.5 kVA model, ambient temperature 25 °C
- class H from 4 kVA upwards, ambient temperature 25 °C

Cat.Nos 0 425 71 to 76 and 0 425 81 to 85



Single-phase 230 V/230 V with centre tap

Insulation voltages:
- Between windings: 3550 V
- Between primary and earth: 3550 V
- Between secondary and earth: 3550 V

Cat Nos.	Losses		Voltage drop (%) cos φ 1	Efficiency (%) cos φ 1	Ucc (%)	Dimensions (mm)			Fixing (mm)			Weight (kg)
	No load (W)	Due to the load (W)				A	B	C	F	G	Ø	
0 425 71	22.3	93	2.8	96.2	3.1	320	330	253	300	111	9	36
0 425 72	46	182	4.4	97.7	3.2	340	410	370	320	120	9	52
0 425 73	64.0	245	4.4	96.0	3.1	340	410	370	320	150	9	67
0 425 74	67.7	213	3.1	98.1	2.8	340	410	370	320	150	9	68
1 425 75	88	382	4.4	96.1	3.8	390	460	380	370	140	9	57
1 425 76	100	396	3.6	96.7	3.6	390	460	380	370	140	9	59

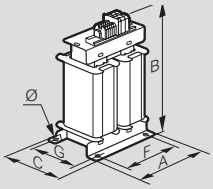
3-phase 400 V ⅄ + N / 230 V ⅄ + N

Insulation voltages:
- Between windings: 4450 V
- Between primary and earth: 4450 V
- Between secondary and earth: 3550 V

Cat Nos.	Losses		Voltage drop (%) cos φ 1	Efficiency (%) cos φ 1	Ucc (%)	Dimensions (mm)			Fixing (mm)			Weight (kg)
	No load (W)	Due to the load (W)				A	B	C	F	G	Ø	
0 425 81	50.2	157.0	3.3	95.0	2.7	420	270	190	400	126	9	60
0 425 83	76.2	232.0	3.4	95.3	2.8	470	410	340	450	126	9	82
0 425 84	96.1	281.0	3.2	95.4	2.7	470	410	340	450	176	9	106
0 425 85	160.0	342.0	3.4	95.2	2.7	470	410	340	450	176	9	106

Characteristics IP 00 range

Class I - bare
Insulation:
- class B for 2.5 kVA model, ambient temperature 25 °C
- class H from 4 kVA upwards, ambient temperature 25 °C



Single-phase 230 V/230 V with centre tap

Insulation voltages:
- Between windings: 3550 V
- Between primary and earth: 3550 V
- Between secondary and earth: 3550 V

Cat. Nos	Losses		Voltage drop (%) cos φ 1	Efficiency (%) cos φ 1	Ucc (%)	Dimensions (mm)			Fixing (mm)			Weight (kg)
	No load (W)	Due to the load (W)				A	B	C	F	G	Ø	
0 425 91	22.3	93	2.8	96.2	3.1	300	292	171	200	114	9	33
0 425 92	46	182	4.4	97.7	3.2	240	390	195	180	120	11	42
0 425 93	64.0	245	4.4	96.0	3.1	240	390	250	180	150	11	50
0 425 94	67.7	213	3.1	98.1	2.8	240	390	250	180	150	11	58
0 425 95	88	382	4.4	96.1	3.8	290	420	220	194	138	11	58
0 425 96	100	396	3.6	96.7	3.6	290	420	220	194	138	11	61