



















# isolating transformers for hospitals protected

**NEW**



Conform to standard IEC EN 61558-2-15  
IP 21

The main requirements of this standard, as opposed to IEC 61558-2-4, concern:

- The secondary/earth leakage current, which is limited to 0.5 mA off-load
- The inrush current, which is limited to 12 times the peak value of the primary current

- The short-circuit voltage, which is limited to 3% of the primary voltage

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

Pack	Cat.Nos	Single-phase			
		<b>Primary: 230 V</b>			
		<b>Secondary: 230 V with centre tap</b>			
			Terminal		
		Output (kVA)	primary flexible cable (mm <sup>2</sup> )	secondary flexible cable (mm <sup>2</sup> )	
1	425 71	2.5	16	16	
1	425 72	4	16	16	
1	425 73	5	35	35	
1	425 74	6.3	35	35	
1	425 75	8	35	35	
1	425 76	10	35	35	

Pack	Cat.Nos	3-phase			
		<b>Primary: 400 V <math>\nabla</math> + N</b>			
		<b>Secondary: 230 V <math>\nabla</math> + N</b>			
			Terminal		
		Output (kVA)	primary flexible cable (mm <sup>2</sup> )	secondary flexible cable (mm <sup>2</sup> )	
1	425 81	4	10	10	
1	425 83	6.3	10	16	
1	425 84	8	16	35	
1	425 85	10	16	35	

**IEC EN 61558-2-15 transformer with 400 V single-phase primary** (available on request)

**Protection equipment for IEC EN 61558-2-15 power supply lines** (please consult the technical data sheets in the e-catalogue)

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## Characteristics

### Single-phase

Insulation voltages:

- Between windings: 3550 V
- Between primary and earth: 1770 V
- Between secondary and earth: 1770 V

Class I

Insulation: class B for 2500 VA model, ambient temperature 25 °C  
class H from 4 kVA upwards, ambient temperature 25 °C  
IP 21 - IK 08 (in tank)

### 3-phase

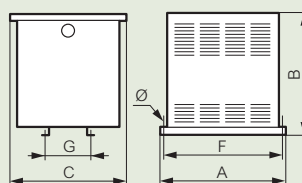
Insulation voltages:

- Between windings: 4450 V
- Between primary and earth: 2250 V
- Between secondary and earth: 1770 V

Class I

Insulation: class H from 4 kVA upwards, ambient temperature 25 °C  
IP 21 - IK 08 (in tank)

Cat.No 425 71 to 76 and 425 81 to 85



## 230 V/230 V with centre tap (single-phase)

Cat. Nos	No-load loss (W)	Voltage drop (%)		Terminals		Efficiency		Usc (%)	Dimensions (mm)			Fixing (mm)		Weight (kg)	
		cos $\varphi$ 1	cos $\varphi$ 0.45	Prim. mm <sup>2</sup>	Sec. mm <sup>2</sup>	cos $\varphi$ 1	cos $\varphi$ 0.45		A	B	C	F	G		Ø
425 71	25.6	2.4	1.1	16	16	0.97	0.93	2.6	320	330	253	300	111	9	36
425 72	50.6	3.7	1.7	16	16	0.95	0.90	2.9	340	410	370	320	120	9	52
425 73	54.5	3.0	1.4	35	35	0.96	0.91	2.8	340	410	370	320	150	9	67
425 74	67.7	3.2	1.5	35	35	0.96	0.91	2.8	340	410	370	320	150	9	68
425 75	85.7	2.8	1.3	35	35	0.96	0.92	2.9	340	410	370	320	180	9	77
425 76	94.5	3.2	1.5	35	35	0.96	0.91	2.5	340	410	370	320	180	9	78

## 400 V $\nabla$ + N / 230 V $\nabla$ + N (3-phase)

Cat. Nos	No-load loss (W)	Voltage drop (%)		Terminals		Efficiency		Usc (%)	Dimensions (mm)			Fixing (mm)		Weight (kg)	
		cos $\varphi$ 1	cos $\varphi$ 0.45	Prim. mm <sup>2</sup>	Sec. mm <sup>2</sup>	cos $\varphi$ 1	cos $\varphi$ 0.45		A	B	C	F	G		Ø
425 81	40.7	3.2	1.5	10	10	0.96	0.92	2.9	420	270	190	400	126	9	55
425 83	76.2	3.7	1.7	10	16	0.95	0.90	2.8	470	410	340	450	126	9	79
425 84	96.1	3.5	1.6	16	35	0.95	0.90	2.8	470	410	340	450	176	9	106
425 85	124	3.7	1.7	16	35	0.95	0.90	2.9	470	410	340	450	176	9	107