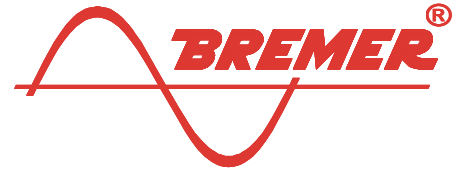


Transformers 1-phase



1-phase-power transformers 5 to 20kVA, grain-oriented core laminations; vertical; The "big ones" in insulation class F for highest output powers; terminal block on bracket, eyebolts, vertical mounting position.

BREMER 1414-en

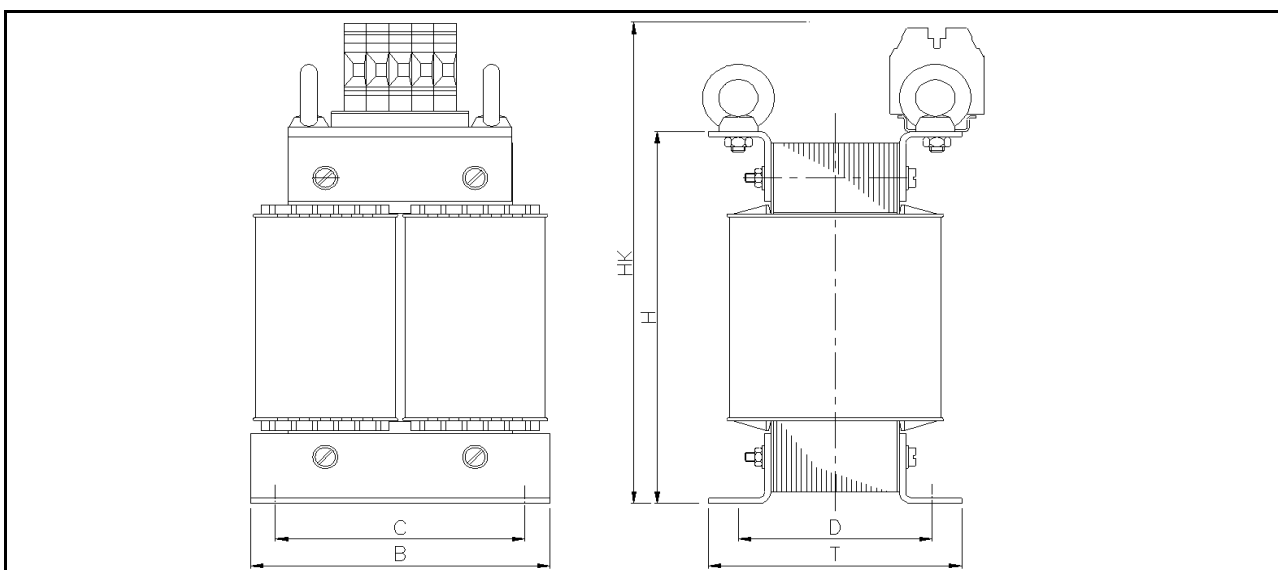
| | | | |
|--------------|------------------------------------|----------------------|--------------------------|
| Design: | Vertical, "long" brackets | Ambient temperature: | ta = 40°C (ta = 40/F) |
| Type series: | Power transformers "UI" | Temperature rise: | ΔT = ca. 65...70K (40/F) |
| Terminals: | Terminal block on mounting bracket | Core material: | Grain-oriented material |

| Core-Type | Insul.cl. | Power approx. VA | Weights copper / total kg | Dimensions with terminals | | | | Mounting dimensions | |
|------------|-----------|------------------|---------------------------|---------------------------|------------|-------------|--------------|---------------------|-----------|
| | | | | Width B mm | Depth T mm | Height H mm | Height HK mm | C x D mm | For screw |
| UI 180/63 | F | 5,2 | 19,5 / 43,0 | 240 | 165 | 305 | 375 (UK16) | 200 x 125 | M 10 |
| UI 180/78 | F | 6,0 | 22,0 / 51,0 | 240 | 180 | 305 | 375 (UK16) | 200 x 140 | M 10 |
| UI 180/93 | F | 7,0 | 25,0 / 58,0 | 240 | 195 | 305 | 375 (UK16) | 200 x 155 | M 10 |
| UI 210/63 | F | 8,3 | 29,0 / 58,0 | 280 | 185 | 360 | 430 (UK16) | 240 x 141 | M 10 |
| UI 210/73 | F | 9,0 | 31,0 / 65,0 | 280 | 195 | 360 | 430 (UK16) | 240 x 151 | M 10 |
| UI 210/88 | F | 10,5 | 33,0 / 75,0 | 280 | 210 | 360 | 440 (UK35) | 240 x 166 | M 10 |
| UI 210/103 | F | 12,0 | 37,0 / 87,0 | 280 | 225 | 360 | 440 (UK35) | 240 x 181 | M 10 |
| UI 210/133 | F | 14,0 | 41,0 / 111,0 | 280 | 255 | 360 | 440 (UK35) | 240 x 211 | M 10 |
| UI 240/110 | F | 16,0 | 54,0 / 100,0 | 340 | 250 | 405 | 485 (UK35) | 270 x 210 | M 12 |
| UI 240/140 | F | 20,0 | 58,0 / 150,0 | 340 | 280 | 405 | 485 (UK35) | 270 x 240 | M 12 |

These transformers must be mounted with vertical magnetic axis (vertical coil axis) for cooling. In some cases the windings are designed with cooling channels.

Insulation class / highest final temperature according to IEC60085: B = 130°C F = 155°C H = 180°C

More about temperatures, standards, no-load / load behaviour, insulating materials and insulating material classes under Technical Terms.



Error and subject to change

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Table: BREMER 1414-en-dt_1UI-SL_UKK_VM_c.xls

Sketch: 1UI-SL-UKK180ff-aa-TB210403.dwg

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