

# Transformers 1-phase



1-phase-power transformers 5 to 18kVA, 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 1514-en**

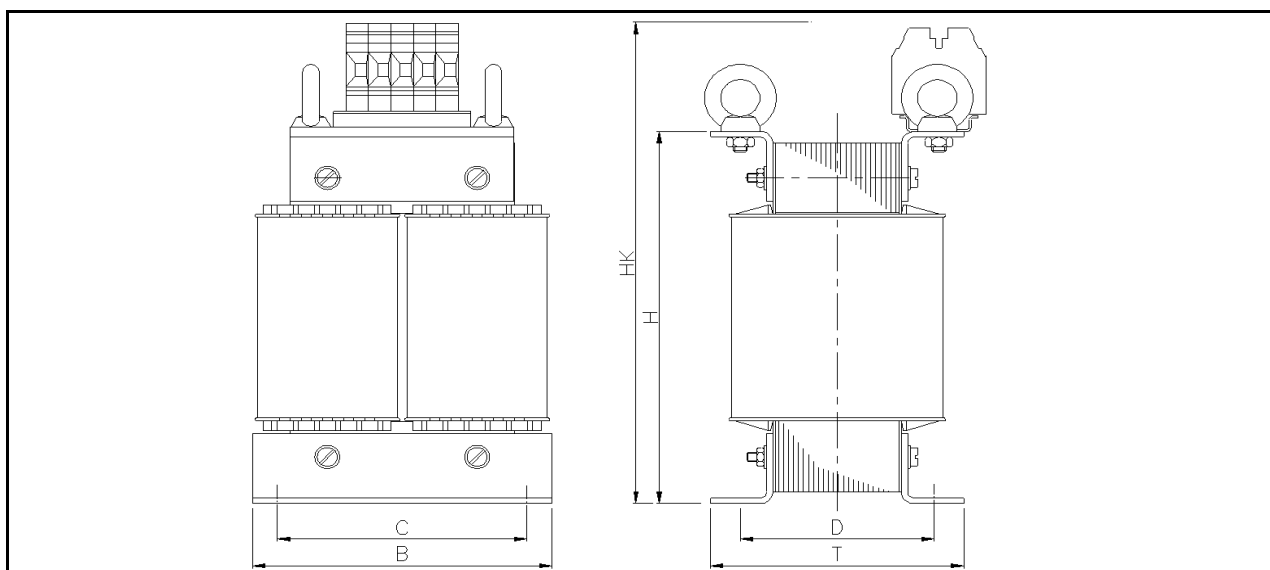
Design:	Vertical, "long" brackets	Ambient temperature:	ta = 50°C (ta = 50/F)
Type series:	Power transformers "UI"	Temperature rise:	ΔT = ca. 60...70K (50/F)
Terminals:	Terminal block on mounting bracket	Core material:	Grain-oriented material

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	19,5 / 43,0	240	165	305	375 (UK16)	200 x 125	M 10
UI 180/78	F	5,8	22,0 / 51,0	240	180	305	375 (UK16)	200 x 140	M 10
UI 180/93	F	6,6	25,0 / 58,0	240	195	305	375 (UK16)	200 x 155	M 10
UI 210/63	F	7,5	29,0 / 58,0	280	185	360	430 (UK16)	240 x 141	M 10
UI 210/73	F	8,5	31,0 / 65,0	280	195	360	430 (UK16)	240 x 151	M 10
UI 210/88	F	9,5	33,0 / 75,0	280	210	360	440 (UK35)	240 x 166	M 10
UI 210/103	F	10,0	37,0 / 87,0	280	225	360	440 (UK35)	240 x 181	M 10
UI 210/133	F	12,5	41,0 / 111,0	280	255	360	440 (UK35)	240 x 211	M 10
UI 240/110	F	15,0	54,0 / 100,0	340	250	405	485 (UK35)	270 x 210	M 12
UI 240/140	F	18,0	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 1514-en-dt\_1UI-SL\_UKK\_VM\_\_c.xls

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

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