

Heatsink

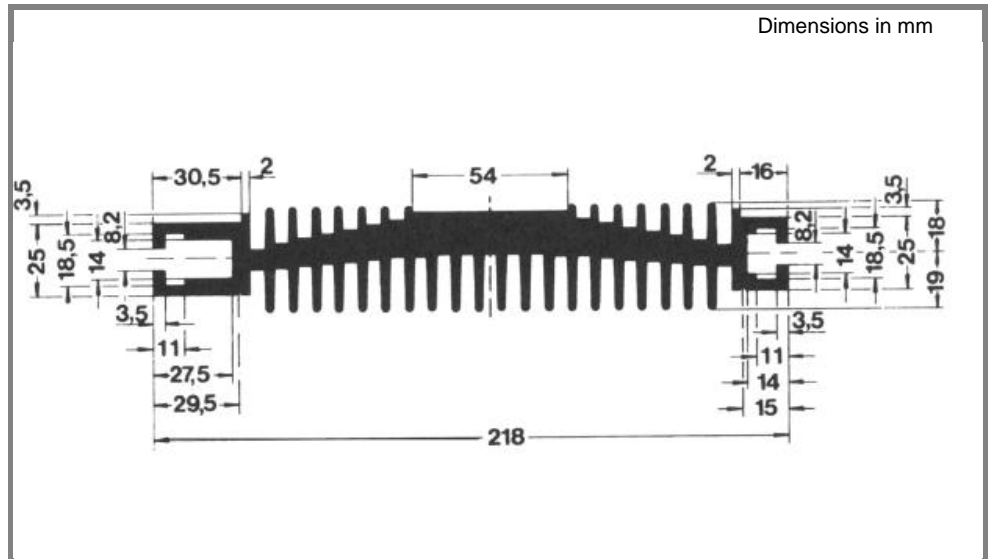
Standard lengths	n	b / d Ø	R _{thha}	R _{thca} (V _{air} /t)	w
		mm	natural cooling K/W	forced air cooling K/W	kg
2x P 17/130		19 ± 1	0,49 (120W)	0,122 (300 m ³ /h)	3
		25 ± 2	0,48 (120W)	0,1 (300 m ³ /h)	
		33 ± 2	0,47 (120W)	0,085 (300 m ³ /h)	
P 17/130 + 2x P 17/60		19 ± 1		0,175 (300 m ³ /h)	2,9
		25 ± 2		0,14 (300 m ³ /h)	
STACK 1000 (with P 17/130)		25 ± 2		0,135	38
		33 ± 2		0,122	
See Fig. Appl.2		47 ± 2		0,115	

For capsule devices

P 17

Features

- Intended for double-sided cooling of capsule devices with diameters upto 48mm
- Designed for forced air cooling
- Available as pre-assembled modules containing one or two capsules in a plastic frame
- Available in various lengths



P 17 general profile dimensions (w = 10,6 kg/m)

Dimensions in mm

Fans SKF 17A-230-01 / SKF 17B-230-01

Isolating ducting for P17

Bimetallic Thermal Trips

Insulating sleeve for bolts
For double side cooled capsules

(Please contact SEMIKRON for details on the above accessories)

P 17 standard accessories

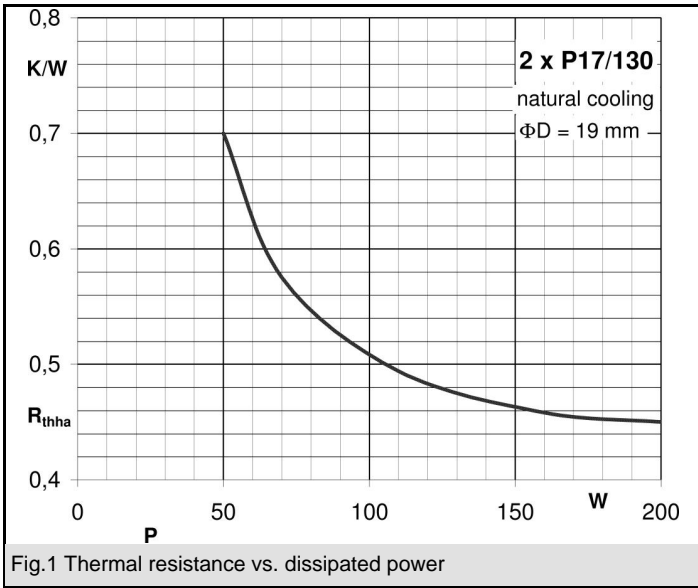


Fig.1 Thermal resistance vs. dissipated power

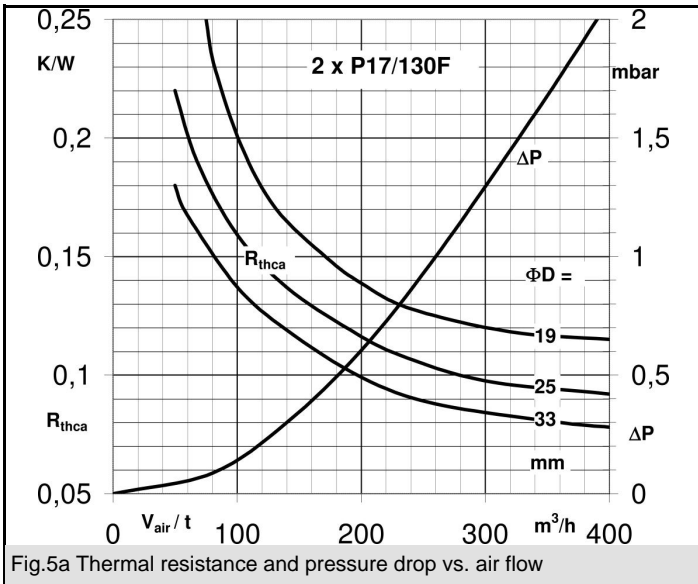


Fig.5a Thermal resistance and pressure drop vs. air flow

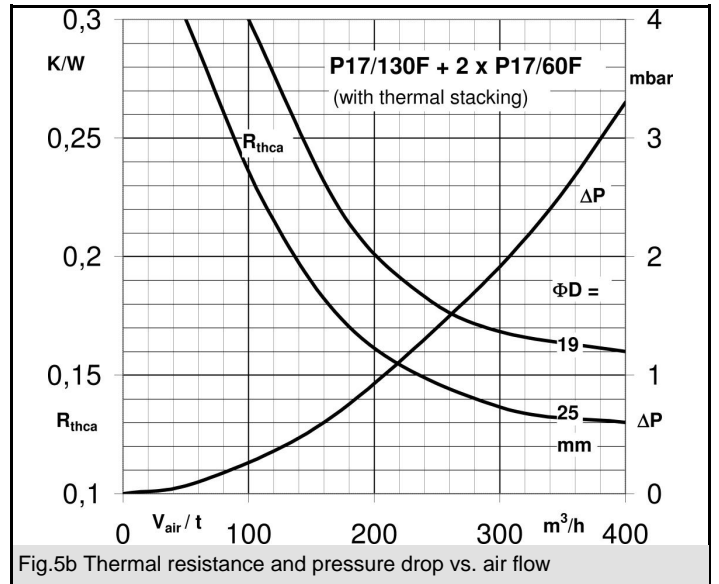


Fig.5b Thermal resistance and pressure drop vs. air flow

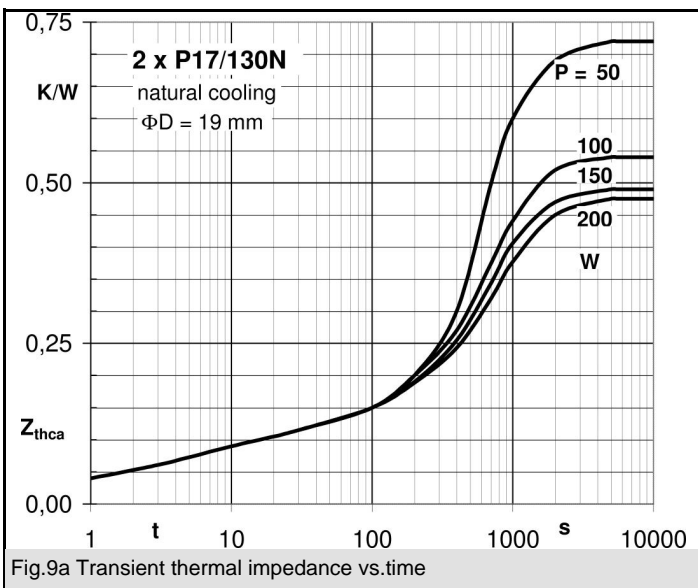


Fig.9a Transient thermal impedance vs. time

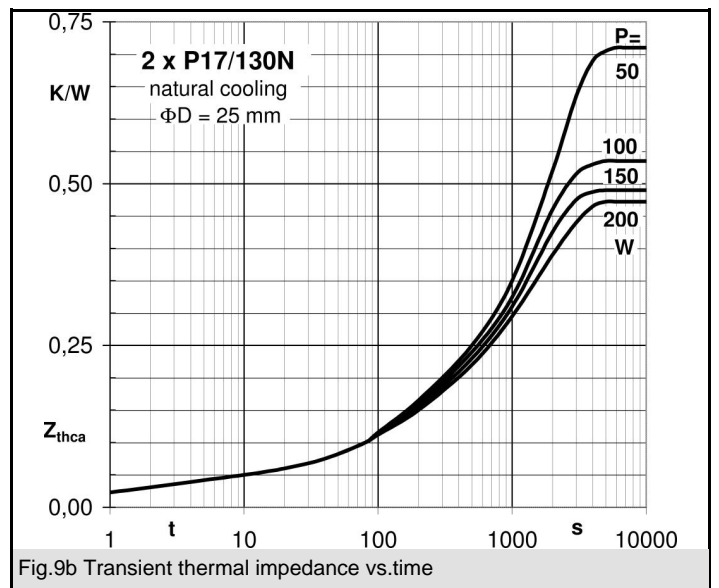
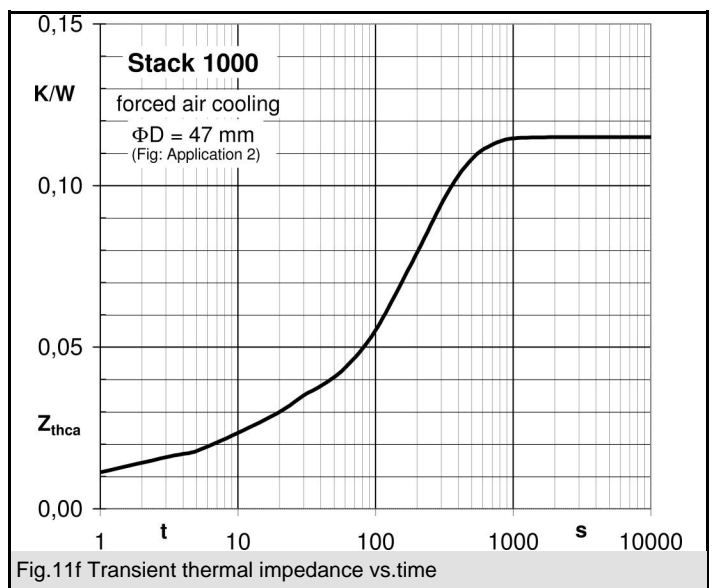
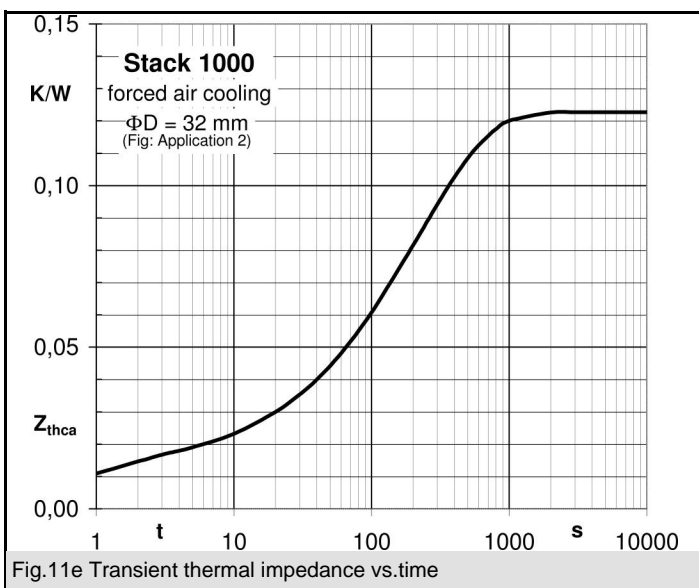
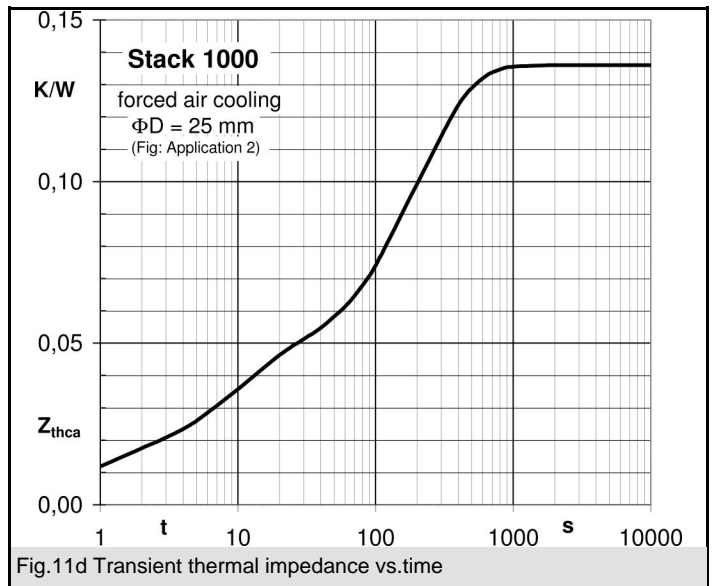
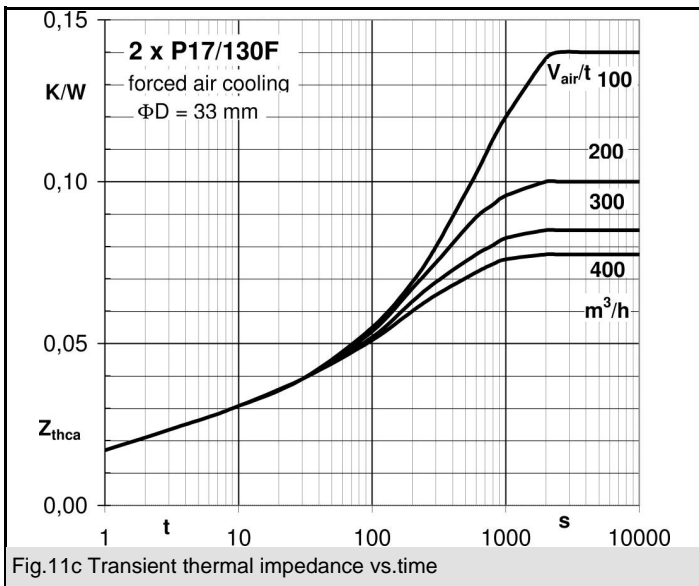
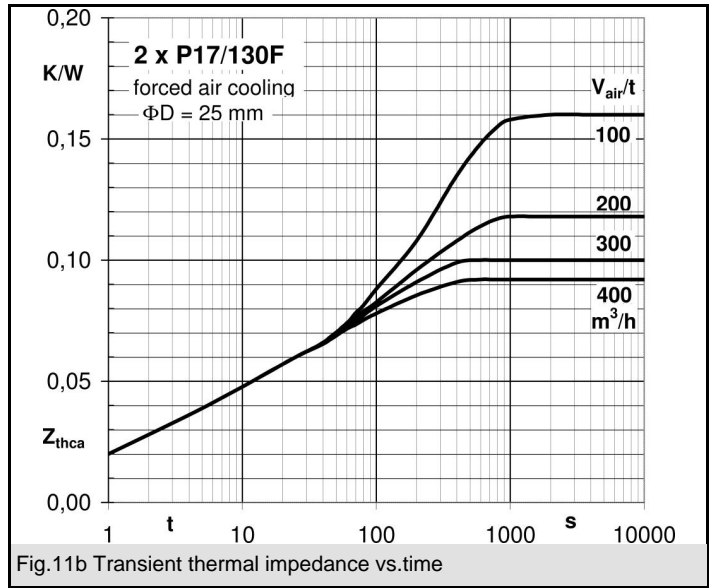
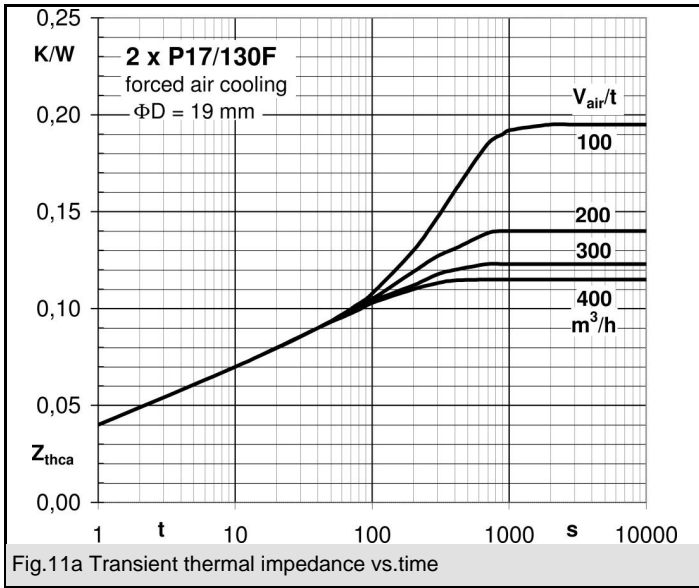
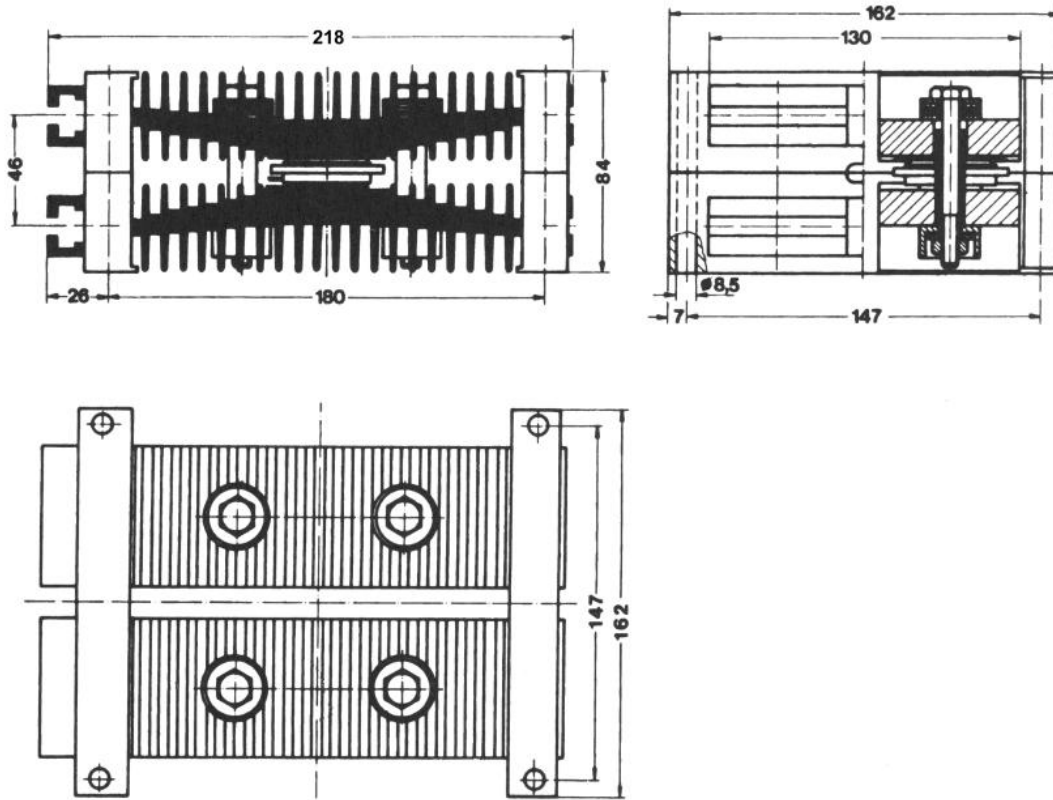
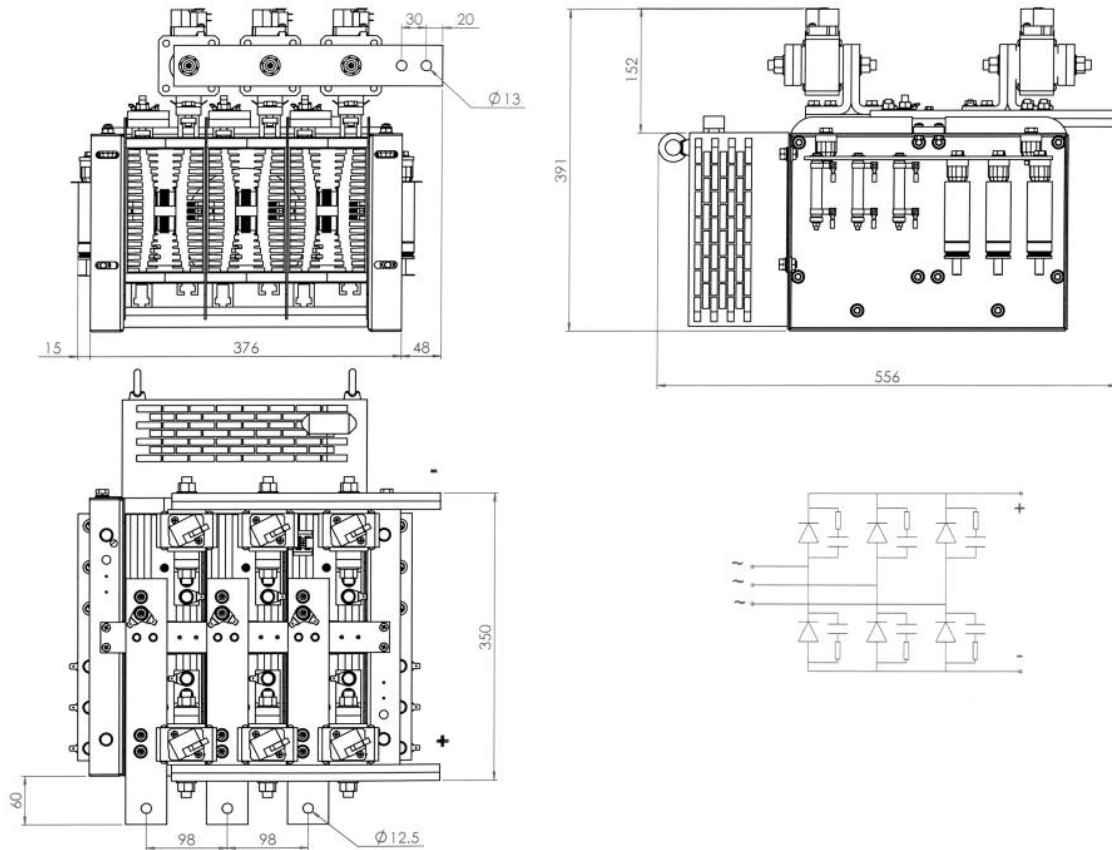


Fig.9b Transient thermal impedance vs. time





1. Setup example of heatsink P 17/130 + 2x P 17/60 with 2 capsules



2. Application example using P17/130 and capsule devices to give a three phase bridge rectifier (Stack 1000)