
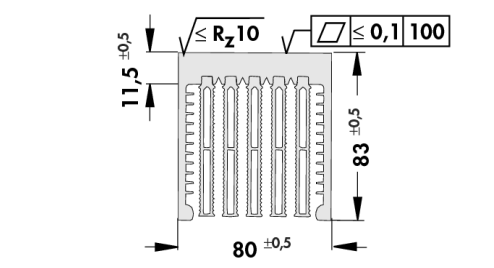
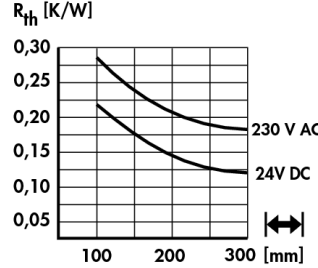
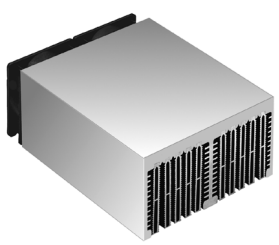
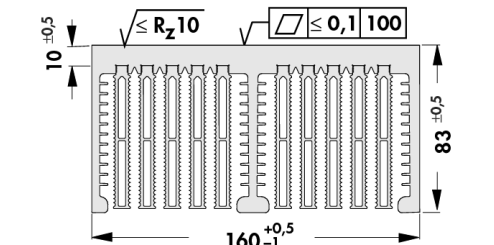
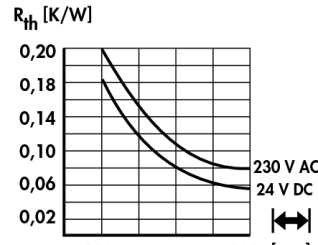
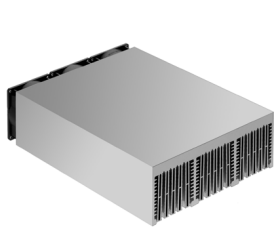
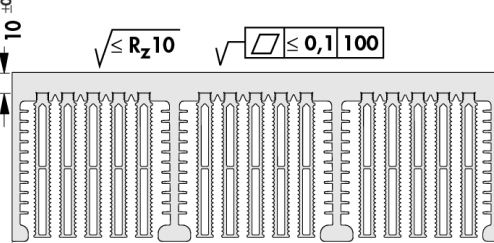
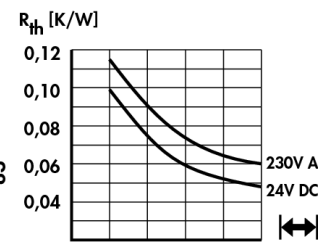



### Hollow-fin cooling aggregates

- geometry of hollow fin optimising the air flow
- particularly effective heat dissipation
- compact construction
- semiconductor mounting surface for milled flat

<b>art. no.</b>     <b>LA 9 ...</b>			
<b>art. no.</b>     <b>LA 10 ...</b>			
<b>art. no.</b>     <b>LA 11 ...</b>			
<b>please indicate:</b> ... 		<b>... fan type</b> <b>24 = 24 V DC</b> <b>230 = 230 V AC</b>	

### Technical data of the fans

	... 24	... 230
<b>type</b>	Papst, ball bearing	Papst, ball bearing
<b>dimensions</b>	80 x 80 x 32 mm	80 x 80 x 38 mm
<b>voltage</b>	24 V DC	230 V AC
<b>power input</b>	6 W	12 W
<b>max. air flow</b>	80 m <sup>3</sup> /h	50 m <sup>3</sup> /h
<b>temperature range</b>	-20 °C ... +75 °C	-40 °C ... +90 °C
<b>noise level</b>	48 dB(A)	31 dB(A)
<b>rated speed</b>	5,000 min <sup>-1</sup>	2,800 min <sup>-1</sup>
<b>weight</b>	170 g	480 g
<b>failure rate</b>	L <sub>10</sub> > 55.000 h (40 °C)	L <sub>10</sub> > 52.500 h (40 °C)

Miniature cooling aggregates  
 Protection grid for axial fans  
 Heatsinks for Solid State Relay  
 High capacity heatsinks

→ D 9 - 10  
 → D 30  
 → A 12  
 → A 54 - 55

Special heatsink design  
 Hole pattern  
 Standard aluminium profiles  
 Technical introduction

→ A 133 - 134  
 → A 21  
 → A 131 - 132  
 → A 2 - 7

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