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**Nominal data**

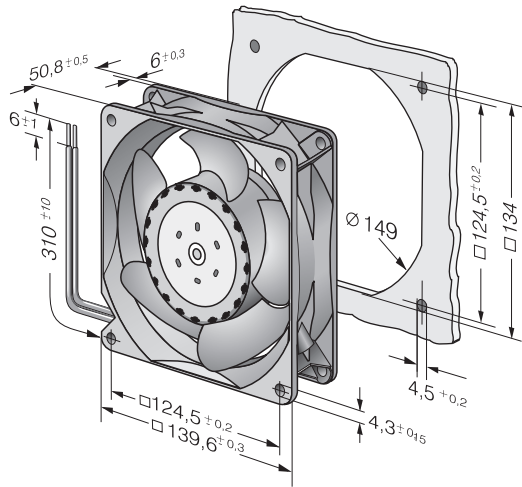
Type	5312 /2 TDHP	
Nominal voltage	VDC	12
Nominal voltage range	VDC	8 .. 16
Speed	min <sup>-1</sup>	6000
Power input	W	43
Min. ambient temperature	°C	-20
Max. ambient temperature	°C	70
Air flow	m <sup>3</sup> /h	410
Sound power level	B	7.7
Sound pressure level	dB(A)	70

ml = max. load · me = max. efficiency · rfa = running at free air · cs = customer specs · cu = customer unit  
 Subject to alterations

## Technical features

<b>Dimensions</b>	140 x 140 x 51 mm
<b>General description</b>	<p>Particular design features:</p> <p>Very smooth running 3-phase fan drive.</p> <p>Very rigid compression curve for high air flow at high counterpressure.</p> <p>Low operating noise level at high counterpressure.</p> <p>Standard with PWM control input and speed signal.</p> <p>Other inputs and outputs on request.</p> <p>General features:</p> <p>Materials: Housing made of aluminium, impeller made of fibreglass-reinforced PA; housing with grounding lug for M4 x 8 screw (Torx).</p> <p>Protected against reverse polarity and locking.</p> <p>Connection via single strands AWG 20 and AWG 22, TR 64, bared and tin-plated.</p> <p>Inlet over bars. Direction of rotation counter-clockwise seen on rotor.</p> <p>Mass: 900 g.</p>
<b>Direction of rotation</b>	Counterclockwise, looking at rotor
<b>Direction of air flow</b>	Inlet over bars
<b>Bearing</b>	Ball bearings
<b>Lifetime L10 at 40 °C</b>	70000 h
<b>Lifetime L10 at maximum temperature</b>	35000 h
<b>Mass</b>	0.900 kg
<b>Housing material</b>	Aluminum. Housing with grounding lug for screw M4 x 8 (TORX).
<b>Material of impeller</b>	Fiberglass-reinforced PA plastic
<b>Motor protection</b>	Protected against reverse polarity and locking.

## Product drawing



## Charts: Air flow

