

Max. 13.5 m³/h

## DC axial fans

□ 40 x 20 mm



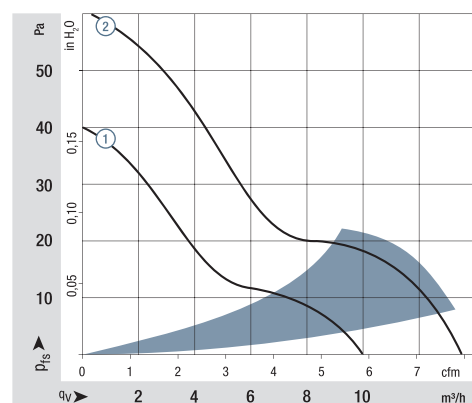
- **Material:** Housing: GRP<sup>1)</sup> (PBT)  
Impeller: GRP<sup>1)</sup> (PA)
- **Direction of air flow:** Exhaust over struts
- **Direction of rotation:** Counterclockwise, looking towards rotor
- **Connection:** Via single wires AWG 28, TR 64
- **Highlights:** Some models are suitable for use at high ambient temperatures
- **Weight:** 27 g
- **Possible special versions:** (See chapter DC fans - specials)
  - Speed signal
  - Go / NoGo alarm
  - PWM control input
  - Moisture protection

1) Fiberglass-reinforced plastic

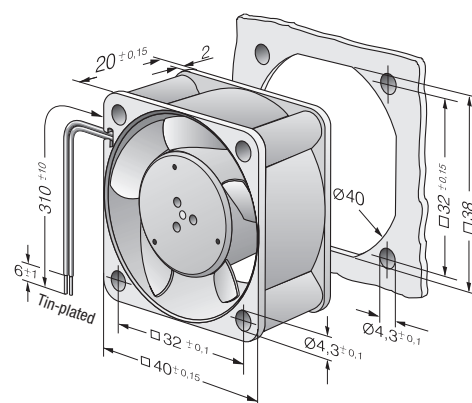
### Series 400

#### Nominal data

	Air flow	Air flow	Nominal voltage	Voltage range	Sound pressure level	Sound power level	Sinter sleeve bearings Ball bearings	Power consumption	Nominal speed	Temperature range	Service life L <sub>10</sub> (20 °C) ebm-papst standard	Service life L <sub>10</sub> (60 °C) ebm-papst standard	Life expectancy L <sub>10</sub> IPC (40 °C) see page 17	Curve
Type	m³/h	cfm	VDC	VDC	dB(A)	Bel(A)	□ / ■	Watts	rpm <sup>-1</sup>	°C	Hours	Hours	Hours	
405	10.0	5.9	5	4.5...5.5	18	3.8	□	0.9	6 000	-20...+70	50 000 / 20 000	52 500	52 500	①
412	10.0	5.9	12	10...14	18	3.8	□	0.8	6 000	-20...+70	50 000 / 20 000	52 500	52 500	①
412 H	13.5	7.9	12	10...14	29	4.7	□	1.6	8 100	-20...+60	45 000 / 17 500	47 500	47 500	②
414	10.0	5.9	24	20...28	18	3.8	□	1.0	6 000	-20...+70	50 000 / 20 000	52 500	52 500	①
414 H	13.5	7.9	24	20...26.5	29	4.7	□	1.7	8 100	-20...+60	45 000 / 17 500	47 500	47 500	②
Model with temperature range up to +85 °C.														
412-099	10.0	5.9	12	10...14	18	3.8	□	0.8	6 000	-20...+85	50 000 / 20 000	52 500	52 500	①
Subject to change														



Air performance measured according to: ISO 5801.  
Installation category A, without contact protection.  
Noise: Total sound power level L<sub>WA</sub> ISO 103002 measured on a hemisphere with a radius of 2 m.  
Sound pressure level L<sub>PA</sub> measured at 1 m distance from fan axis.  
The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions.  
In the event of deviation from the standard configuration, the parameters must be checked after installation!  
For detailed information see <http://www.ebmpapst.com/general conditions>



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