

max. 13,5 m³/h

DC axial fans

□ 40 x 20 mm



- **Material:** Housing: GRP¹⁾ (PBT)
Impeller: GRP¹⁾ (PA)
 - **Direction of air flow:** Exhaust over struts
 - **Direction of rotation:** Counter-clockwise, seen on rotor
 - **Connection:** Via single wires AWG 28, TR 64
 - **Highlights:** Some models are suitable for use at high ambient temperatures
 - **Mass:** 27 g
- **Possible special versions:**
(See chapter DC fans - specials)
 - Speed signal
 - Go- / NoGo-alarm
 - PWM control input
 - Humidity protection

1) Fibreglass-reinforced plastic

Series 400

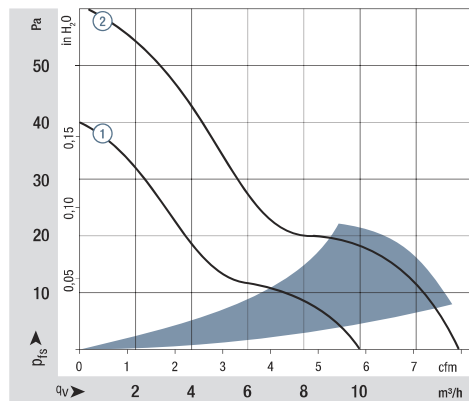
Nominal data

Type	Air flow		Nominal voltage	Voltage range	Sound pressure level	Sound power level	Sinter sleeve bearings Ball bearings	Input power	Nominal speed	Temperature range	Service life L ₁₀ (20 °C) ebm-papst Standard	Service life L ₁₀ (60 °C) ebm-papst Standard	Life expectancy L ₁₀ IPC (40 °C) see page 17	Curve
	m ³ /h	cfm												
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
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Subject to alterations



Air performance measured as per: ISO 5801, Installation category A, without accidental contact.
Noise: Total sound power level L_{WA} ISO 103002 measured on half-sphere of 2 m;
Sound pressure level L_{PA} measured at 1 m distance to fan axis.
The acoustic values are only valid for the described measurement set-up and may vary depending on the installation situation.
In case of any deviation to the standard setup, the values have to be checked and reviewed once installed or fitted.
For detailed information see <http://www.ebmpapst.com/general-conditions>

