



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Max. 9 m³/h

DC axial fans

□ 40 x 10 mm

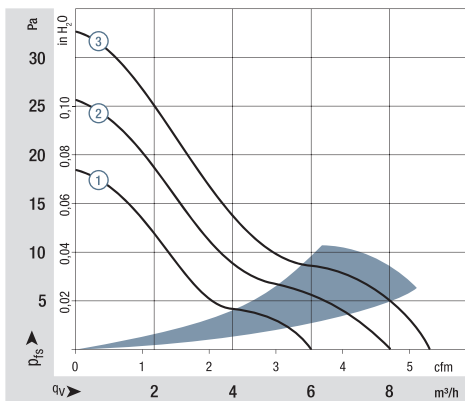


- **Material:** Housing: GRP¹⁾ (PBT)
Impeller: GRP¹⁾ (PA)
 - **Direction of air flow:** Exhaust over struts
 - **Direction of rotation:** Counterclockwise, looking towards rotor
 - **Connection:** Via single wires AWG 28, TR 64
 - **Highlights:** Some models are suitable for use at high ambient temperatures
 - **Weight:** 17 g
- **Possible special versions:** (See chapter DC fans - specials)
 - Speed signal
 - Go / NoGo alarm
 - Moisture protection

1) Fiberglass-reinforced plastic

Series 400 F														
Nominal data	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 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 F	8	4.7	5	4.5...5.5	22.1	4.4	□	0.7	5 400	-20...+70	45 000 / 17 500	47 500	②	
405 FH	9	5.3	5	4.5...5.5	26.0	4.6	□	0.9	6 000	-20...+70	45 000 / 17 500	47 500	③	
412 FM	6	3.5	12	10...14	17.0	3.8	□	0.5	4 300	-20...+70	45 000 / 17 500	47 500	①	
412 F	8	4.7	12	10...14	22.1	4.4	□	0.7	5 400	-20...+70	45 000 / 17 500	47 500	②	
412 FH	9	5.3	12	10...14	26.0	4.6	□	0.8	6 000	-20...+70	45 000 / 17 500	47 500	③	
414 F	8	4.7	24	20...28	22.1	4.4	□	0.8	5 400	-20...+70	45 000 / 17 500	47 500	②	
414 FH	9	5.3	24	21.6...26.4	26.0	4.4	□	0.9	6 000	-20...+70	45 000 / 17 500	47 500	③	
Model with temperature range up to +85 °C.														
412 FM-074	6	3.5	12	10...14	17.0	3.8	□	0.4	4 300	-20...+85	45 000 / 17 500	47 500	①	
412 F-130	8	4.7	12	10...14	22.1	4.4	□	0.6	5 400	-20...+85	45 000 / 17 500	47 500	②	
412 FH-132	9	5.3	12	10...14	26.0	4.6	□	0.8	6 000	-20...+85	45 000 / 17 500	47 500	③	

Subject to change



Air performance measured according to: ISO 5801.
Installation category A, without contact protection.
Noise: Total sound power level L_{WA} ISO 103002 measured on a hemisphere with a radius of 2 m.
Sound pressure level L_{pA} 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>

