Max. 480 m³/h

DC axial fans

172 x 150 x 51 mm



- **Material:** Housing: Die-cast aluminum
  Impeller: GRP[1] (PA)
- **Direction of air flow:** Exhaust over struts
- **Direction of rotation:** Counterclockwise, looking towards rotor
- **Connection:** on flat plugs 3 x 0.5 mm
- **Highlights:** Housing with grounding lug for screw M4 x 8 (Torx)
- **Weight:** 760 g

- **Possible special versions:**
  (See chapter DC fans - specials)
  - Speed signal
  - Go / NoGo alarm
  - Alarm with speed limit
  - External temperature sensor
  - Internal temperature sensor
  - PWM control input
  - Analog control input
  - Moisture protection
  - Salt spray protection
  - Degree of protection: IP 54

1) Fiberglass-reinforced plastic

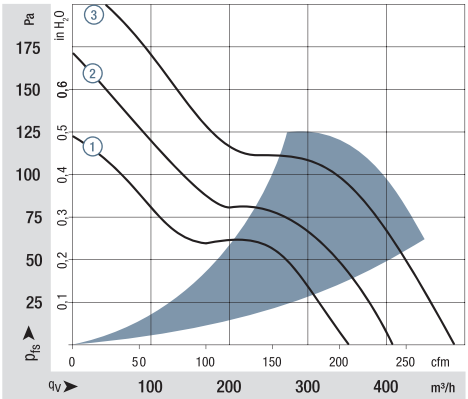
Series 6400

Nominal data

Type	Air flow	Air flow	Nominal voltage	Voltage range	Sound pressure level	Sound power level	Sintec sleeve bearings / Ball bearings	Power consumption***	Nominal speed	Temperature range	Service life L_{10} (40 °C) ebm-papst standard / Service life L_{10} (T_{max}) ebm-papst standard	Life expectancy L_{10IPC} (40 °C) see page 17	Curve
	m³/h	cfm	VDC	VDC	dB(A)	Bel(A)	□/■	Watts	rpm⁻¹	°C	Hours	Hours	
6412 M	350	206	**12**	8...15	52	6.0	■	12	2 850	-20...+72	80 000 / 37 500	135 000	①
6424 M	350	206	**24**	12...32	52	6.0	■	12	2 850	-20...+72	80 000 / 37 500	135 000	①
6424	410	241	**24**	12...28	57	6.4	■	17	3 400	-20...+72	75 000 / 35 000	127 500	②
6424 H	480	283	**24**	12...28	63	7.1	■	26	4 000	-20...+55**	70 000 / 50 000	117 500	③
6448	410	241	**48**	28...60	57	6.4	■	17	3 400	-20...+72	75 000 / 35 000	127 500	②
6448 H*	480	283	**48**	28...60	63	7.1	■	26	4 000	-20...+55**	70 000 / 50 000	117 500	③

Subject to change

* Strand 310 mm.
** 72 °C versions on request
*** Power consumption at free air flow, these values can be significantly higher in the operating point.



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

