

max. 480 m³/h

DC axial fans

172 x 150 x 51 mm



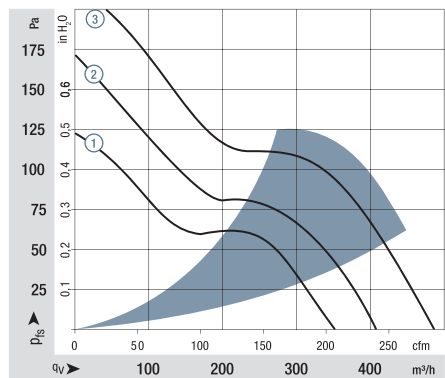
- **Material:** Housing: Die-cast aluminium
Impeller: GRP¹⁾ (PA)
 - **Direction of air flow:** Exhaust over struts
 - **Direction of rotation:** Counter-clockwise, seen on rotor
 - **Connection:** On flat plugs 3 x 0.5 mm
 - **Highlights:** Housing with grounding lug for screw M4 x 8 (Torx)
 - **Mass:** 760 g
- **Possible special versions:** (See chapter DC fans - specials)
 - Speed signal
 - Go- / NoGo-alarm
 - Alarm with limit speed
 - External temperature sensor
 - Internal temperature sensor
 - PWM control input
 - Analog control input
 - Humidity protection
 - Salt fog protection
 - Degree of protection: IP 54

1) Fibreglass-reinforced plastic

| Series 6400 | | | | | | | | | | | | | | |
|--------------|-------------------|-----|-----------------|---------------|----------------------|-------------------|---|----------------|---------------|-------------------|--|--|--|-------|
| Nominal data | 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 (40 °C) ebm-papst Standard | Service life L ₁₀ (T _{max}) ebm-papst Standard | Life expectancy L ₁₀ (IPC (40 °C), see page 17 | Curve |
| | m ³ /h | cfm | | | | | | | | | | | | |
| 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 alterations

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



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

