6448/2P-30219

002, 200711

Features:

- DC fans with electronically commutated external rotor motor. Fully integrated commutation electronics. With electronic protection against reverse polarity and locked rotor.
- Electronic motor current limitation in the start-up phase and when rotor is locked.
- Metal fan housing, impeller of fiber-glass reinforced plastic PA.
- Mass 760 g.



产品特点:

- 电子换向的外转子直流风机。电子换向电路全部集成在风机内。风机有极性及堵转保护。
- 电机启动和堵转时有限流保护。
- 金属外壳，塑料（加强）叶轮。
- 净重：760 g。

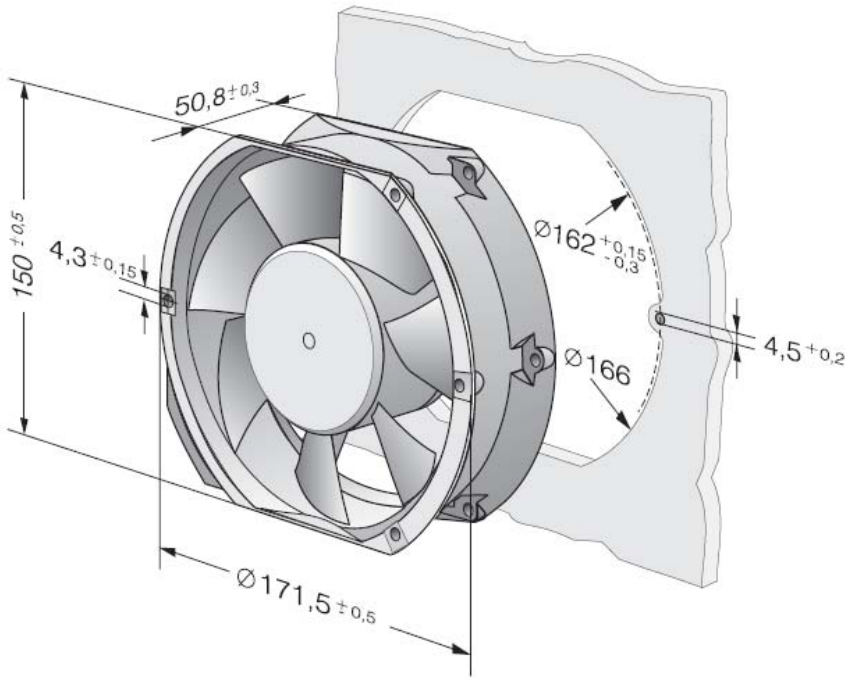
General Data:

基本参数

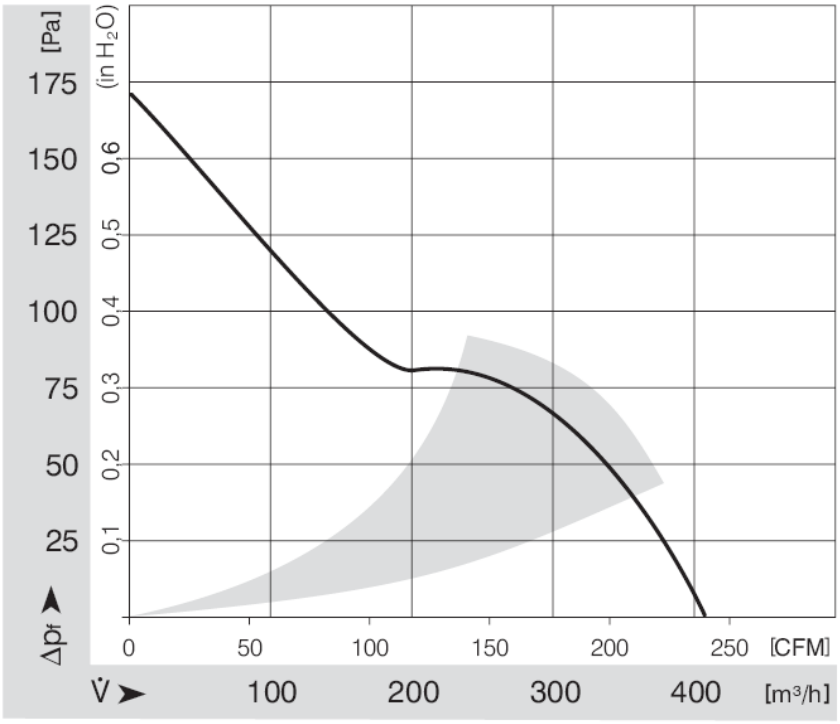
Nominal Data 技术参数	**Nominal voltage** 标称电压	**Voltage range** 电压范围	**Max。 Air flow** 最大风量	**Speed** 转速	**Power input** 输入功率	**Current draw** 电流	**Sound pressure level** 噪音-声压级	**Sound power level** 噪音-声功率级	**Per. Ambient temp.** 允许使用环境温度	**Life time L_{10} at 40℃** 使用寿命- L_{10} 40℃时	**Life time L_{10} at 72℃** 使用寿命- L_{10} 70℃时	**Mass** 净重
Type	**VDC**	**VDC**	**m^3/h**	**Min^{-1}**	**W**	**A**	**dB(A)**	**Bel**	**℃**	**Hours**	**Hours**	**kg**
6448/2P-30219	**48**	**36…72**	**410**	**3400**	**17**	**1,00**	**57**	**6.4**	**-20…+72**	**75 000**	**35 000**	**0.76**

ebm-papst China
Tel: +86 (0) 21 - 50460183 Fax: +86 (0) 21 – 50461119
E-mail: sales@cn.ebmpapst.com Website: www.ebmpapst.com.cn

▪ Dimension drawings 尺寸图

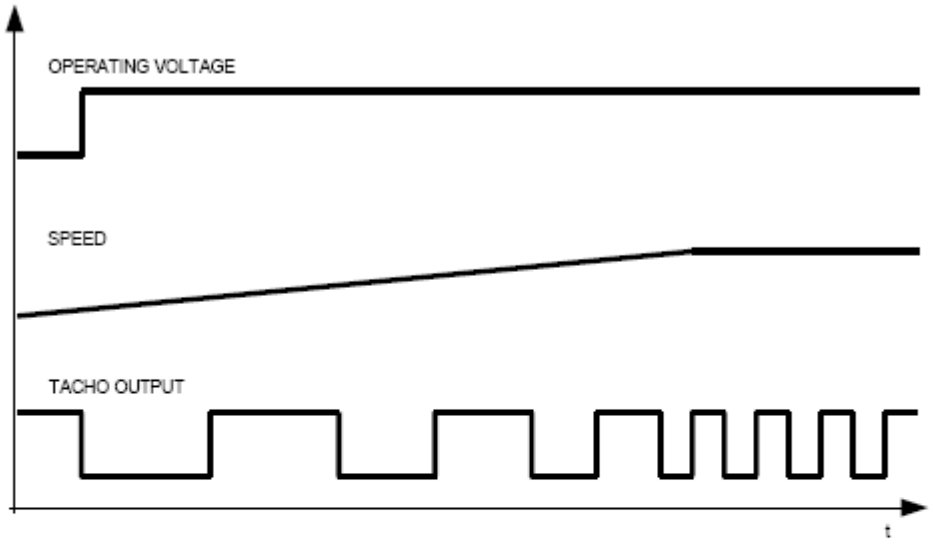


▪ Air performance curve 风量风压曲线



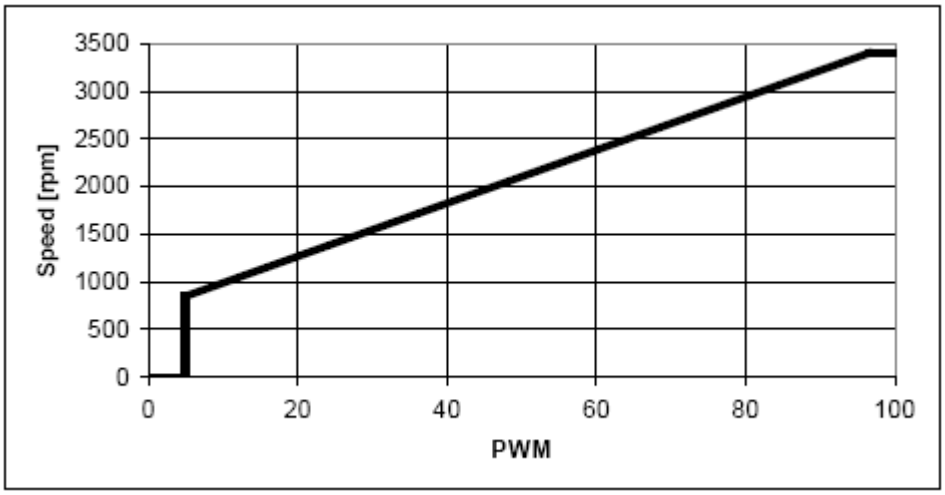
ebm-papst China
Tel: +86 (0) 21 - 50460183 Fax: +86 (0) 21 – 50461119
E-mail: sales@cn.ebmpapst.com Website: www.ebmpapst.com.cn

▪ /2 speed output signal 转速输出信号



TACHO TYPE	/2 (Open collector)		
TACHO OPERATING VOLTAGE		0....60	V
TACHO NOMINAL VOLTAGE			V
TACHO SUPPLY VOLTAGE RANGE		.....	V
TACHO LOW LEVEL	I_{SINK} = 2mA	⩽ 0,4	V
TACHO HIGH LEVEL	I_{SOURCE} = 0mA	....	V
MAXIMUM SINK CURRENT		⩽ 20	mA
MAXIMUM SOURCE CURRENT			mA
FREQUENCY OF TACHO	(2 x n) / 60	28 ... 113	Hz
TACHO ISOLATED FROM MOTOR	NO		

▪ PWM control Graph 脉宽控制图



PWM input signal: open collector
$f \approx 1$ ... 10 kHz
$f_{nom} = 2$ kHz

Customer interface :

to fan speed control (violet lead)

