

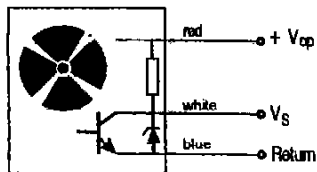
## DV6224/12 DC Mixed Flow Fan

Mixed flow fan with electronically commutated external rotor DC drive. Drive electronics is completely integrated into the fan hub. The aluminium die-cast housing and plastic impeller are aerodynamically dimensioned for optimum air flow characteristics at minimum noise. The air flow and noise level can be controlled by varying the supply voltage.

### Features

- Electronic motor current limiting during start-up or blocking. Continuous blocking protection. Electronically safeguarded against incorrect polarity.
- Extremely low EMI.
- Versions with different nominal voltages and/or various alarm or tach-out systems available on request.
- Square wave sensor signal for speed monitoring (2 pulses per revolution).

### Tacho-Signal



Output	2 pulses/revolution
$V_S$ high at $I_{source} = 2 \text{ mA}$	4.5...5.25 V
$V_S$ low at $I_{sink max} = 12 \text{ mA}$	$\leq 0.8 \text{ V}$
$I_{sink max}$	12 mA

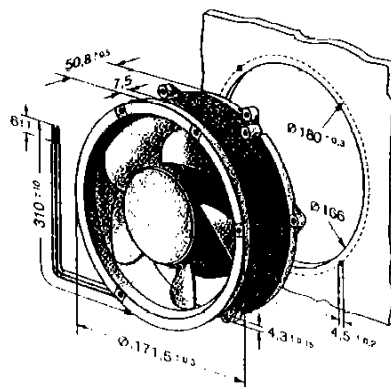
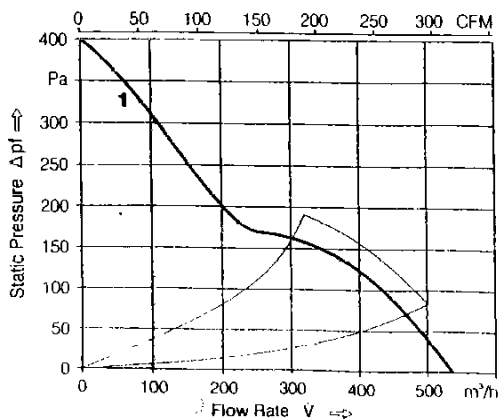
### General Data

Nominal voltage	V DC	24
Voltage range	V DC	16 ... 28
Nominal speed	$\text{min}^{-1}$	4300
Max. flow rate	$\text{m}^3/\text{h}$	540
Max. flow rate	CFM	317.6
Noise free air	dB(A)	63
Noise in opt. operating range	bels	6.9
Current consumption	A	1.54
Power consumption	W	37
Perm. ambient temperature At max. voltage	$^{\circ}\text{C}$	-20 ... +75
Service life (75 $^{\circ}\text{C}$ )	h	40000
Service life (40 $^{\circ}\text{C}$ )	h	90000
Fan housing / impeller		metal/PA6.6
Bearing system		ball bearings
Mass	kg	0.820

All data are average figures at nominal voltage

Subject to technical change

Patents granted or applied for.



Electrical connection via  
3 leads AWG 22 TR64

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