6224NTDA DC Axial Fan

9295414278



DC-Fan with Analog voltage-dependent speed control. The DC drive employs an electronically commutated 3-phase external rotor motor with high efficiency. A highly integrated, specially programmed micro-controller implements motor commutation and speed control of the fan. All functions are completely integrated into the hub.

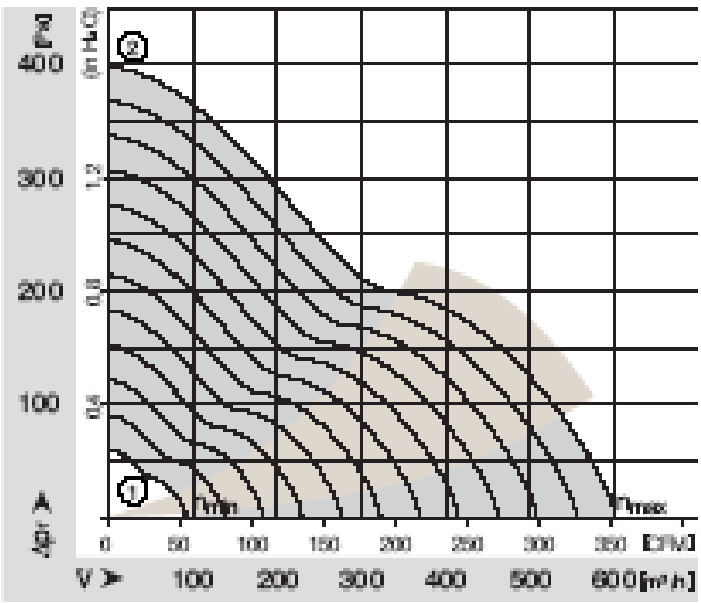
Features

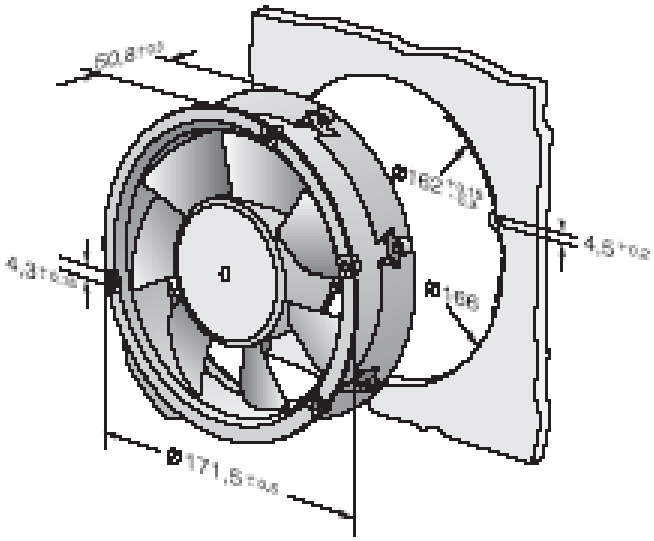
- Extremely low EMI
- Speed control by analog input voltage between 0VDC and 10 VDC
- The fan is protected against reversed polarity.
- Electronic motor current limiting during start-up or locking. Continuous locking protection.
- Additional protection of motor against overvoltage and undervoltage. Fan speed will be 0 for U>33 VDC and U<14VDC.
- Electrical connection via 3 leadwires AWG22, 365mm long.

General Data

Nominal voltage	V DC	24
Voltage range	V DC	16 ... 28
Nominal speed	min^{-1}	5100
Max. flow rate	m^3/h	600
Max. flow rate	CFM	353
Noise free air	dB(A)	65
Noise in operating range	bels	7,4
Current consumption	A	2
Power consumption	W	48
Perm.ambient temperature	°C	-20 ... +60
Service life (60 °C)	h	25.000
Service life (40 °C)	h	70.000
Safety approvals		UL, CSA, VDE
Fan housing / impeller		Aluminum alloy / PA6.6
Bearing system		Ball bearings
Mass	kg	0,820

All data are average figures at nominal votage — Subject to technical change.





Fan Speed - Input Voltage

Input Voltage	Speed [rpm]
0	0
1 (Hysteresis 0.9V - 1.2)	950
5	2800
9.5	5100
10	5100

