612N/2GH/A01 DC Axial Fan

25mm compact low profile fan with high air flow value and minimum noise level. The DC drive employs an electronically commutated external rotor motor with high efficiency.
Drive electronics is completely integrated into the fan hub.



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Features

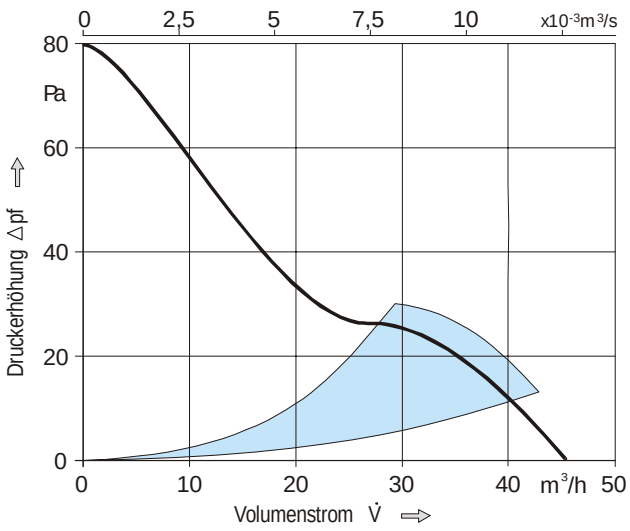
- Electronic protection against reverse polarity, blocking and overloading.
- Extremely low EMI.
- Electrical connection via 3 leads AWG 24, TR 64.

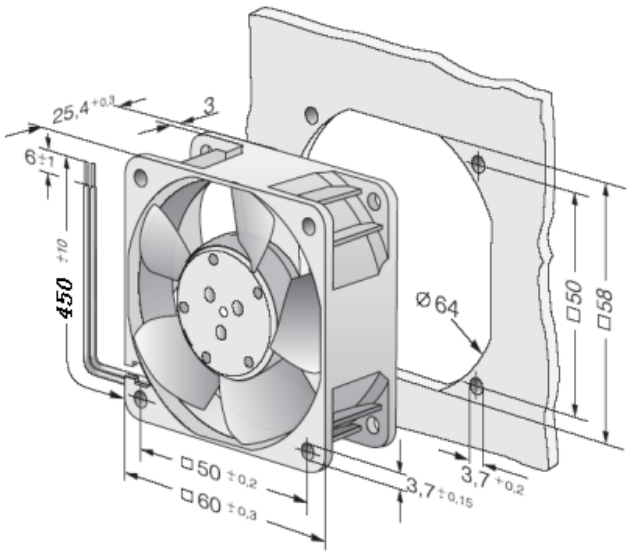
DBPe and DBPe registered

General Data

Nominal voltage	V DC	12
Voltage range	V DC	8...13.5
Nominal speed	min^{-1}	5600
Max. flow rate	m^3/h	46
Max. flow rate	CFM	27
Noise free air	dB(A)	37
Current consumption	mA	200
Power consumption	W	2,4
Permanent ambient temperature	°C	-20 ... +80
Service life (80 °C)	h	22.500[1]
Service life (40 °C)	h	70.000
Approval		CE, UL, CSA,VDE
Fan housing / impeller		PBTP / PA 6.6
Bearing system		Sleeve bearing
Mass	g	85

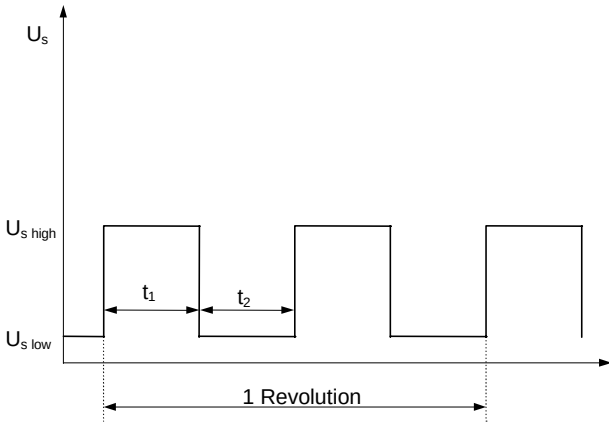
All data are average figures at nominal voltage — Subject to technical change

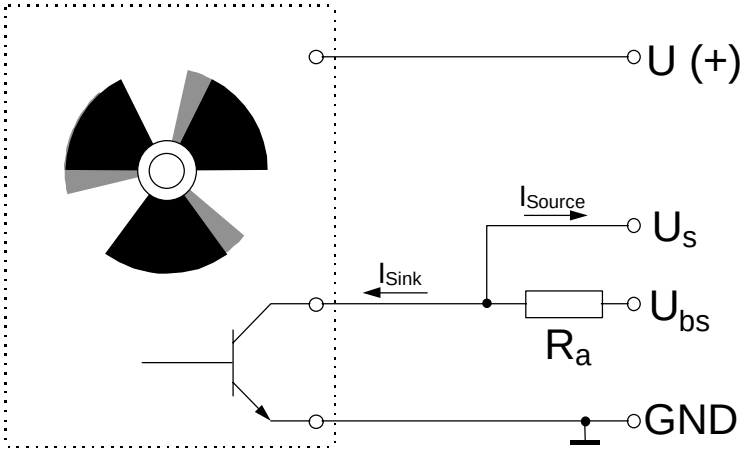




1:The value is theoretical

Tacho Signal "/2"





U (+)	Supply Voltage
U_s	Tacho Signal
U_{bs}	Sensor Supply Voltage
GND	Ground (-)
R_a	External Pull-Up Resistor

$$R_a = \frac{U_{bs} - U_{slow}}{I_{sink}}$$

Output	2 pulses per revolution
U_{bs}	4...30 VDC
$U_{s\ high}$	4...30 VDC at I_{source} = 0 mA
$U_{s\ low}$	<= 0,4 VDC at I_{sink} = 2 mA
$I_{sink\ max}$	= 4 mA
t_1 / t_2	0,8 - 1,2