

8412N/2GL 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. Air flow and noise level can be controlled by varying the supply voltage range.



Features

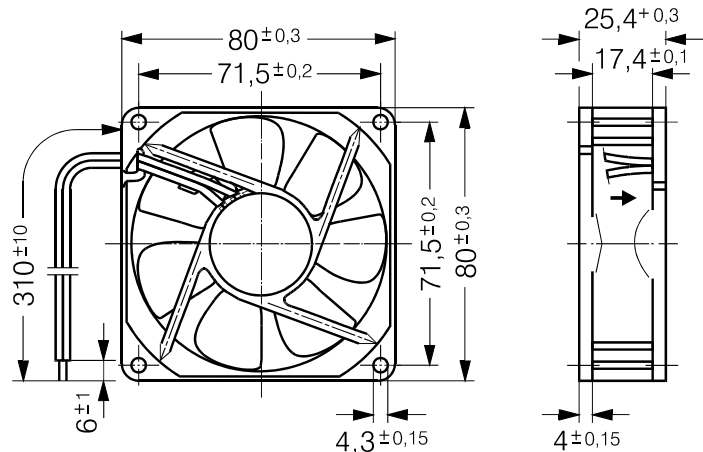
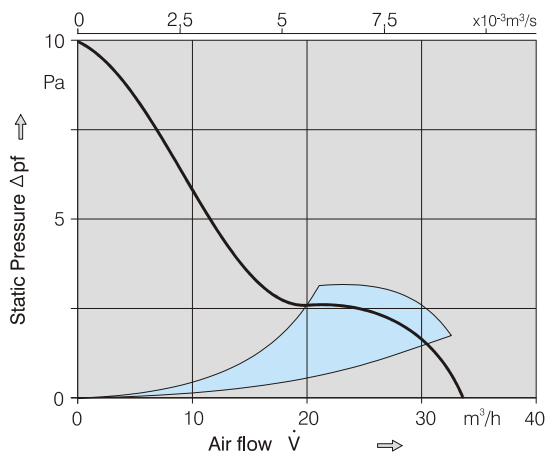
- Speedsensor providing 2 pulses per revolution.
- Electronic protection against reverse polarity, locking and overloading.
- Electrical connection via 3 leads AWG24, TR64, 310 mm long.

General Data

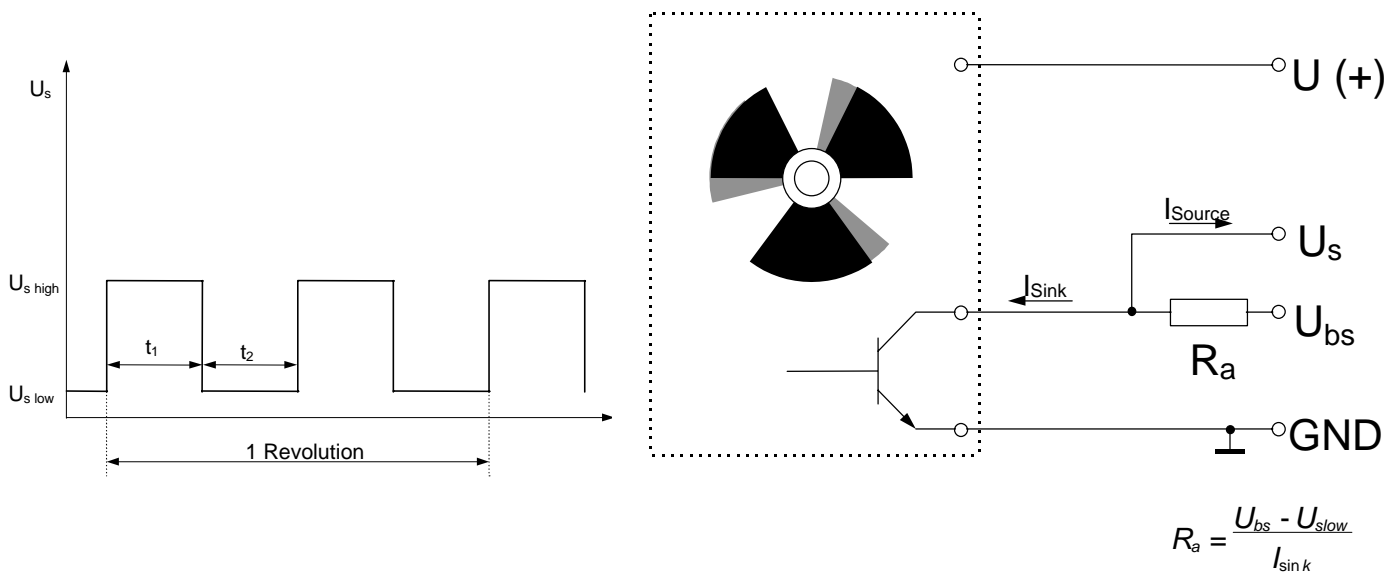
Nominal Voltage	V DC	12
Voltage range	V DC	8 ... 15
Nominal speed	min ⁻¹	1500
Max. flow rate	m ³ /h	33
Max. flow rate	CFM	19.4
Noise free air	dB(A)	12
Noise in opt. Operating range	bels	3.5
Current consumption	mA	50
Power consumption	W	0.6
Permanent ambient temperature	°C	-20 ... +70
At max. voltage		
Service life (70 °C)	h	40.000
Service life (40 °C)	h	80.000
Approvals		CSA, UL, VDE
Fan housing / impeller		PBTP / PA
Bearing system		Sleeve bearing
Mass	kg	0,095

All data are mean values at nominal voltage

Subject to technical change



Tacho Output Signal



Output	2 pulses per revolution
U_{bs}	4...30 V DC
$U_{s \text{ high}}$	0,4...30 V DC bei $I_{source} = 0 \text{ mA}$
$U_{s \text{ low}}$	$\leq 0,4 \text{ V DC}$ bei $I_{sink} = 2 \text{ mA}$
$I_{sink \text{ max}}$	= 4 mA
t_1 / t_2	0,8 - 1,2