

4314 S DC Axial Fan

Axial fan with high air flow 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. The air flow and noise level can be controlled by varying the supply voltage range.



Features

- Electronical protection against locked rotor
- Electronical protection against reverse polarity
- Integrated speed sensor
- Extremely low EMI.

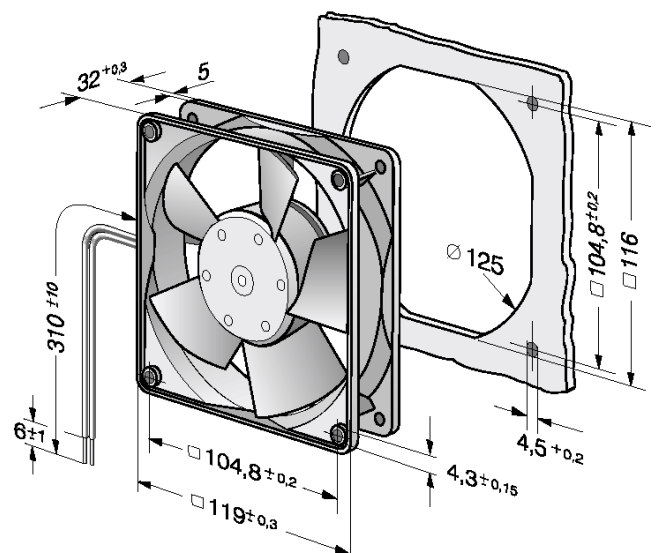
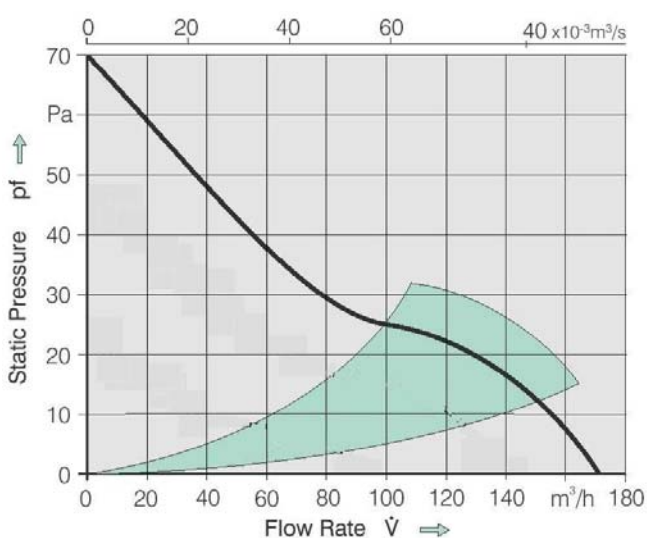
Patents granted or applied for

General Data

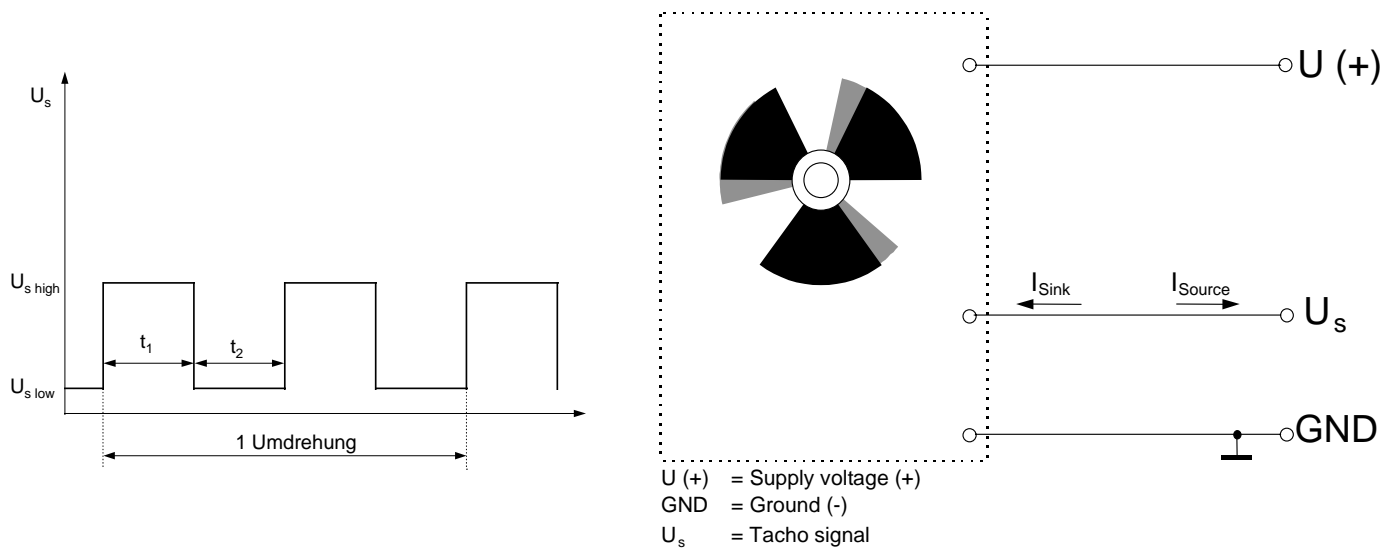
Nominal voltage	V DC	24
Voltage range	V DC	12...28
Nominal speed	rpm	2800
Max. flow rate	m ³ /h	170
Max. flow rate	CFM	100
Noise free air	dB(A)	45
Noise at optimum operating range	bels	5,8
Current consumption	mA	205
Power consumption	W	4,9
Max. ambient temperature at max. supply voltage	°C	-20 ... +75
Service life at (75 °C)	h	25.000
Service life at (40 °C)	h	70.000
Approvals		CSA, UL, VDE
Housing / rotor		PBTP / PA 6.6
Bearing system		Ball bearing
Mass	kg	0,220

Alle Daten sind Mittelwerte bei Nennspannung.

Technische Änderungen vorbehalten.



Tacho Output Signal „S“:



Output	2 pulses per revolution
$U_{s\ high}$	$= (0,95 \cdot U (+))\ V$
$U_{s\ low}$	$= 0,5\ V$
$I_{sink\ max}$	$= 1\ mA$
$I_{source\ max}$	$= 50\ \mu A$
t_1 / t_2	$0,8 - 1,2$