

DV 5218/2N – 40154

DC Mixed Flow Fan

127mm axial fan with high air flow. The DC drive employs an electronically commutated external rotor motor with high efficiency. Drive electronics is completely integrated into the fan hub.



Features

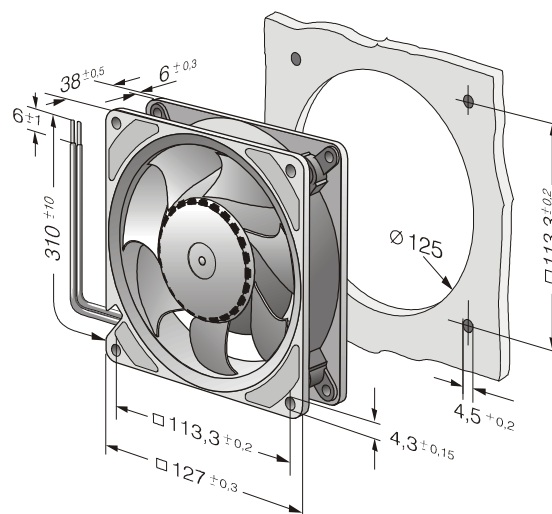
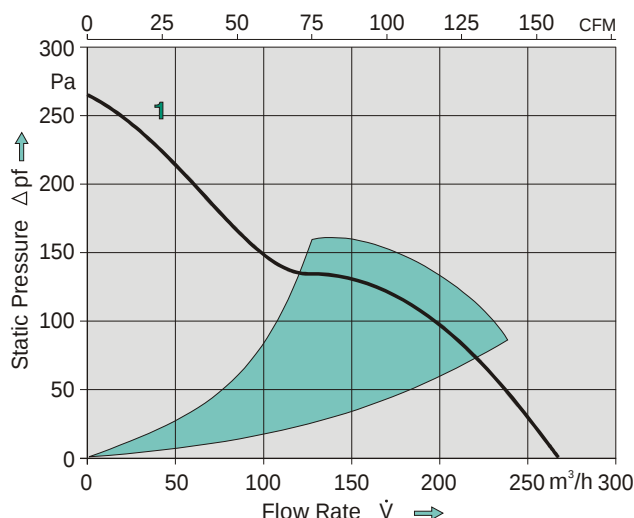
- Electronic protection against reverse polarity, blocking and overloading of the fan.
- Air exhaust over struts.
- Metal fan housing, impeller of fibre-glass reinforced plastic PA.
- Electrical connection via 3 leads, AWG 22.
- Speed-proportional rectangular pulse for external speed monitoring of fan motor with 2 pulses per revolution.

General Data

Nominal voltage	V DC	48
Voltage range	V DC	40 53
Nominal speed	min ⁻¹	5000
Max. flow rate	m ³ /h	270
Max. flow rate	CFM	159
Noise free air	dB(A)	56
Noise in optimum operating range	bels	6,4
Power consumption	W	23,9
Permanent ambient temperature at max. voltage	°C	-20 ... +65
Service life at +40°C	h	70.000
Service life at +65°C	h	40.000
Approvals	UL, CSA, VDE	
Fan housing / impeller	Metal / PA 6.6	
Bearing system	Ball bearings	
Mass	g	490

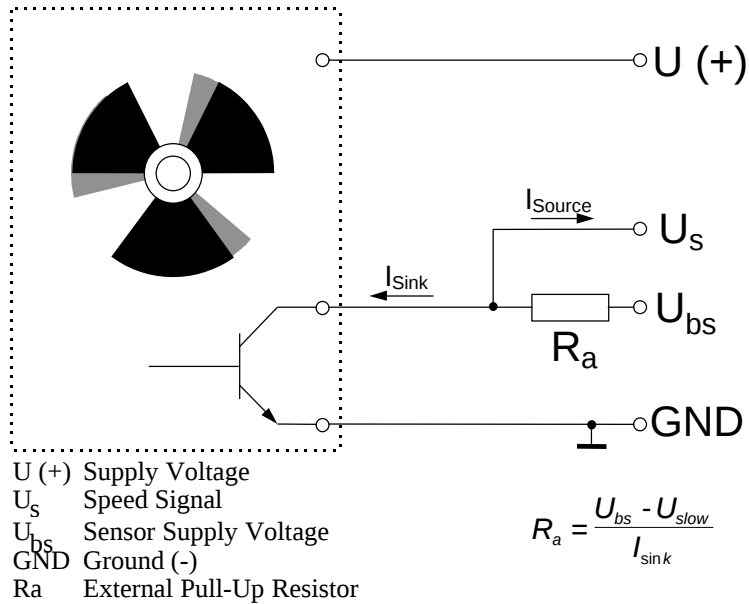
All data are average values at nominal conditions.

Subject to change without notice

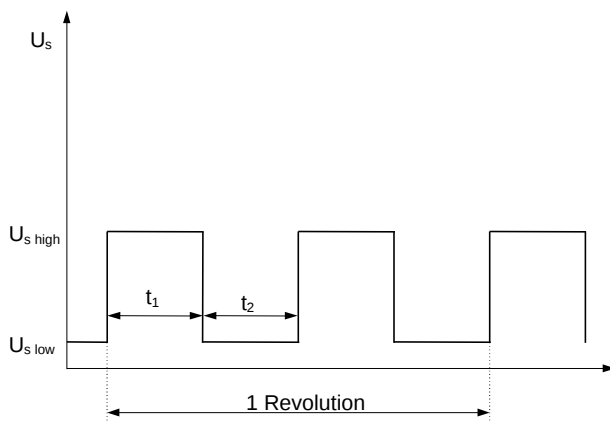


/2 Tacho Output Signal:

Connection Diagramm:



Output Signal:



Electrical Specification:

Output	2 pulses per revolution
U_{bs}	60 V DC
$U_{s\ high}$	max. 60 V DC at $I_{source} = 0\ mA$
$U_{s\ low}$	$\leq 0,3\ V\ DC$ at $I_{sink} = 1\ mA$
$I_{sink\ max}$	$= 1\ mA$
t_1 / t_2	0,8 - 1,2