DV4114/2N DC Mixed Flow Fan

9694330094



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

Features

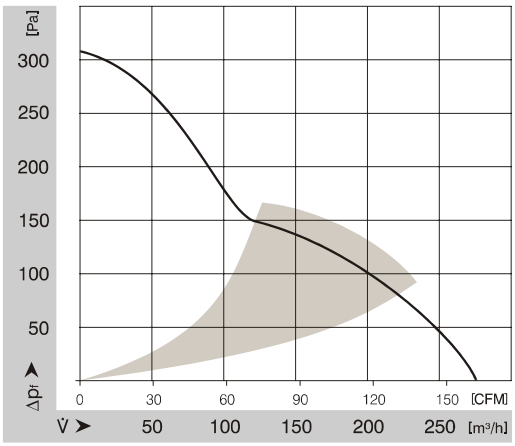
- Electronic protection against reverse polarity, locking and overloading of the fan.
- Air exhaust over struts.
- Fibreglass reinforced plastic fan venturi (housing), metal flange and bearing tube, impeller made of fibreglass reinforced plastic PA.
- Open collector tacho output with 2 pulses per revolution.
- Electrical connection via 2 leads, AWG 22, 310mm long.
  Red: +24VDC
  Blue: GND
  White: /2 Tacho output

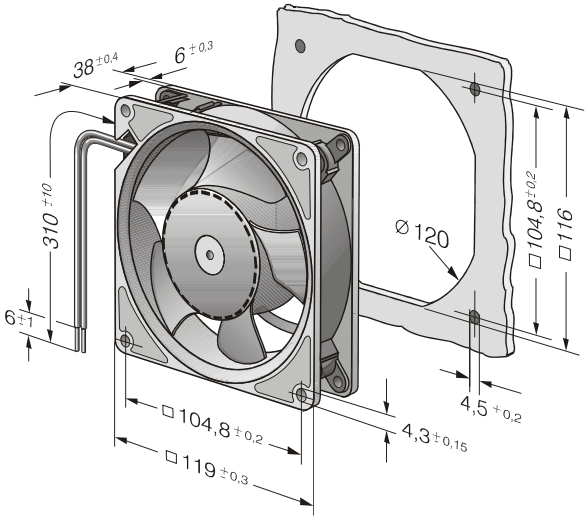
Patents granted or applied for.

General Data

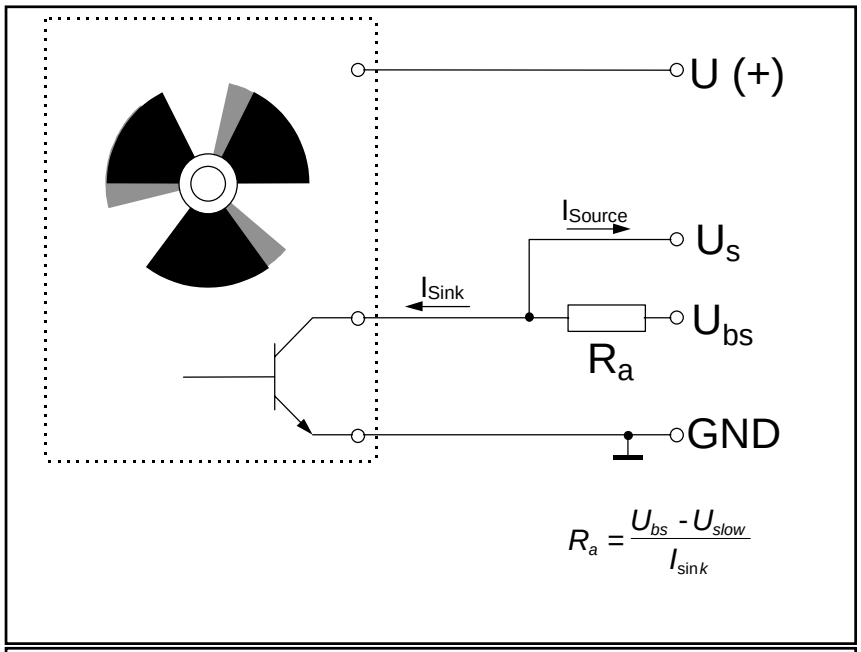
Nominal voltage	V DC		24	
Voltage range	V DC	16	...	30
Nominal speed	rpm	4450	6000	6000
Max. flow rate	m^3/h		275	
Max. flow rate	CFM		161,9	
Noise free air	dB(A)		60	
Noise in optimum operating range	bels		6,7	
Power consumption	W	9,8	20,5	21,3
Permanent ambient temperature at max. voltage	°C			-20 ... +65
Service life at +40°C	h			70.000
Service life at +65°C	h			40.000
Approvals				UL, CSA, VDE, CE
Fan housing / flange / impeller				PBT / Metal / PA 6.6
Bearing system				Ball bearings
Mass	g			375

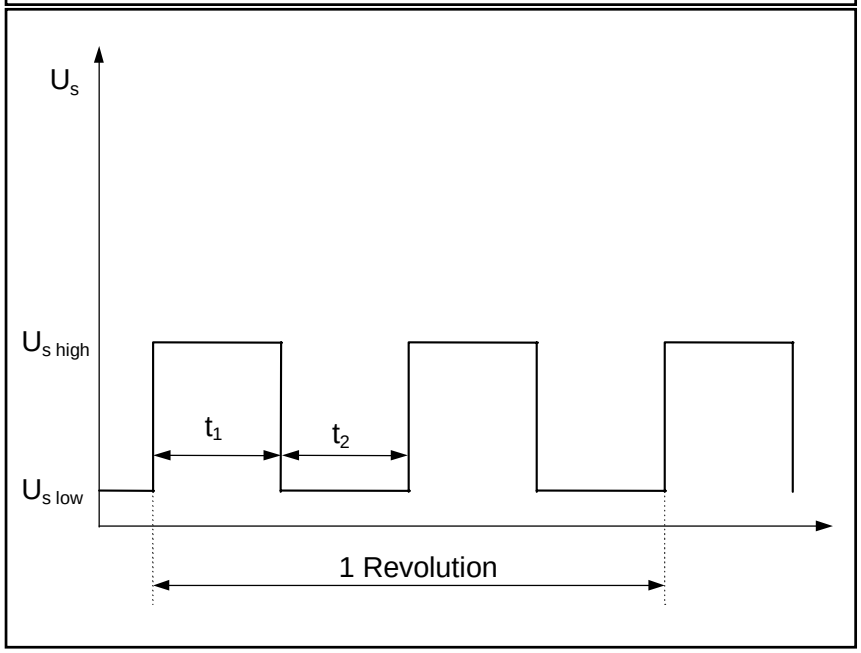
All data are average values at nominal conditions. Subject to change without further notice.





Tacho Output Signal „/2“:





Output	2 pulses per revolution
U_{bs}	4...60 V DC
$U_{s\ high}$	4...60 V DC at I_{source} = 0 mA
$U_{s\ low}$	<= 0,4 V DC at I_{sink} = 2 mA
$I_{sink\ max}$	= 10 mA
t_1 / t_2	0,8...1,2